



BRAND IMPACT ON THE PERCEPTION OF COLOURS AND ARCHETYPES

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| KEYWORDS | ABSTRACT |
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| Colours Brands Archetypes Brand archetypes Perceptions | <i>This study examines how colour functions as a symbolic and emotional medium in relation to brand archetypes, and whether brand identities mediate archetype-colour associations. Grounded in Jungian archetype theory, colour psychology, and branding research, it investigates how consumers intuitively link colours, brands, and archetypes. Hypotheses were tested through a cross-sectional survey (N = 281) and a three-part experimental design, operationalising archetype identification, perceived brand-archetype fit, and colour choice. Findings show that consumers display relatively consistent archetype-colour associations and tend to align brands with archetypes consistent with established brand narratives. Brands partially mediate these perceptions; however, statistical models reveal weak predictive power, with archetypes and brand colour identity explaining only a limited proportion of variance in brand colour choices. Overall, results suggest that archetypal and brand narratives shape symbolic colour interpretation but do not strongly modify underlying archetype-colour mappings.</i> |

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1. Introduction

Colours are widely recognized as a fundamental element in creating meaning, playing a significant role in shaping perception, emotion, and individual response across various contexts (Singh & Srivastava, 2011). As a non-verbal symbolic code, it operates simultaneously on perceptual, emotional, and cognitive levels, influencing how signs are perceived, processed, and remembered. In branding and marketing contexts, colours serve not just as decoration but as a semiotic resource that conveys identity, positions a brand within cultural narratives, and helps consumer decision-making (Ciotti, 2025). Empirical research has shown that colour impacts initial impressions, brand preference, and emotional connection, making it one of the most immediate and effective tools in visual communication (Singh & Srivastava, 2011).

The communicative power of colour lies in its ability to trigger learned associations and emotional responses that are deeply rooted in both cultural conventions and psychological conditioning. Studies in colour psychology show that visual stimuli such as hue, brightness, and saturation can activate symbolic schemas that influence how individuals perceive personality traits, product value, and brand credibility (Cunningham, 2017). These associations are not arbitrary but are often unconsciously formed through repeated exposure and reinforced through media, packaging, logos, and advertising. Consequently, the use of colour in branding is not merely aesthetic; it is strategic and meaning-laden. Although interpretations of colour are somewhat subjective, certain colours tend to produce similar psychological effects across individuals and contexts (Ciotti, 2025). This makes colour a central concern not only for design, but also for semiotic brand analysis and audience research within communication sciences.

1.1. *Relevance of the Study*

In the contemporary media and branding landscape, colour is far more than a decorative element; it functions as a potent semiotic and psychological device. Gorn et al. (1997) in an interview with 12 creative directors reported that 11 of them were unfamiliar with colour theory and simply based their decisions on personal preferences. Several studies have been carried out over the years on the physiological and psychological effects that colours have on people, discovering the relationship between colours and human emotions and personality, but there is still room to deepen this research in visual communication. To examine how colour meaning affects consumer perception, the literature on colour psychology has been combined with that on marketing, using theories such as associative learning as a theoretical basis (Labrecque & Milne 2012).

Colour acts as a form of non-verbal language, shaping perception, triggering emotional responses, and influencing behaviour. As several scholars have shown (Grossman & Wisenblit, 1999; Singh, 2006), different colours evoke specific emotional and cognitive responses, which in turn affect how a brand is perceived in terms of sincerity, competence, or excitement. However, little attention has been given to how these effects intersect with deeper symbolic systems such as archetypes.

This study contributes to the communication field by integrating archetypal theory with colour semiotics to better understand how brands visually communicate their personality and values, and how their perceptions mediate the judgement of colours and archetypes. Drawing on Jungian concepts and marketing psychology, the research explores how colour not only reflects a brand's aesthetic but also activates culturally shared archetypal associations in the consumer's unconscious.

This approach views brands as symbolic entities capable of altering the relationships between archetypes and colour associations. This broader narrative framework has not been sufficiently explored in communication and branding theory. By examining how brands align with archetypes but can also shift perceptions of colours—both with and without brand influence—the study provides new theoretical and practical insights into how meanings are created and conveyed through these symbolic constructs that are brands. It also addresses an empirical gap in the literature, where colours are often linked to specific archetypes and treated as mere design choices, rather than as outcomes of a strategic symbolic narrative tool, without a proper evaluation of how brand mediation impacts this interpretation.

2. Literature Review

2.1. The Strategic Role of Colour in Marketing and Branding

2.1.1. The Impact of Colour Perception on Consumer Behaviour

Colour is not a passive feature but a decisive factor in shaping brand perception and product appeal. In the first 90 seconds of interaction with a product, consumers usually make an initial judgement, which 60%-90% of the time is based on the colour of the product (Kumar, 2017). Colour is a powerful marketing tool, capable of influencing consumer perception, being the first thing they notice. The choice of colour a brand makes for a product, packaging, advertisements, logo, and stores is a fundamental part of marketing communication, which affects and influences consumer attitudes (Crowley, 1993).

Examining the effects of colours on consumers, Crowley (1993) noted the existence of two dimensions that influence perception according to the types of brain activation they arouse: arousal and evaluation. In terms of stimulation, colours with longer wavelengths and warm hues, such as red, orange, and yellow, create more arousal, increase brain activity and heart rate, creating a sense of urgency or excitement. These colours are commonly employed in sectors that benefit from impulsive behaviour, such as fast food, retail sales, and entertainment. Brands like McDonald's, Wendy's, and Burger King use red and yellow in their logos and store designs to evoke a sense of urgency, energy, and quick service, signalling to customers that they offer fast and efficient experiences (Kumar, 2017).

In contrast, colours with shorter wavelengths, such as blue, green, and violet, generate calmness and trust, making them ideal for institutions such as banks, hospitals, and wellness brands. The results suggest the importance of context in understanding what colour to use. In a shop where the objective is to prompt an impulse purchase, activation dimension is important; therefore, red will be the ideal colour, and colours with moderate wavelengths, such as green, should be avoided. For other contexts of consumer behaviour, such as waiting in line, blue is preferred as a lower activation level may be more suitable.

Empirical studies reinforce these theoretical claims. In their study, Bellizzi et al. (1983) found that warm colours attract consumers more inside a shop and are particularly suitable for shop windows, the entrance, and the point of purchase, but are also disturbing in the consumer's decision-making process inside the shop. Cool colours, on the other hand, are ideal for the display and during the purchase decision. The authors demonstrated that red and yellow increase consumer approach behaviour in retail environments, whereas blue and green extend the time consumers spend evaluating products.

Studies have analysed the consumer preferences and how these influence purchase intentions for different products. The experiments conducted showed that the participants were more likely to choose the products tested in their favourite colour, and it was also noted that the colour with the highest preference rate was blue. On the other hand, the colour with the lowest rate was yellow. However, Yu et al. (2017) deduced that the role of colour preference in the purchase decision is secondary to other factors, namely functionality, performance, and cultural aspects. Their study can help to understand which product categories consumers' colour preferences are most important for. Preference and behaviour are not always aligned, reinforcing the need for strategic colour use rather than reliance on subjective liking.

2.1.2. Colour Meanings and Implications for Global Branding

One of the most complex dimensions of colour use in marketing is its cultural variability. Colours do not have universal meanings. Rather, they acquire significance through religious, historical, and social contexts. It is important to understand the different meanings and associations people attach to colours, which depend on demographic, personal, psychological, and cultural characteristics. Indeed, it is important to learn about the culture in the target market to choose the right colour for a product to avoid conveying the wrong message. Identifying potential market segments, analysing their cultural characteristics, and developing cross-cultural interpretative colour theory in marketing is crucial (Aslam, 2006). The author presents compelling evidence of cultural divergence: while white connotes purity and peace in Western societies, it represents mourning and death in parts of Asia. Similarly, red, viewed as a symbol of danger or aggression in the West, is associated with prosperity and good luck in Chinese culture.

These cultural differences necessitate adaptive colour strategies. Pepsi's introduction of blue branding in Southeast Asia clashed with local associations of blue with funerals and mourning, resulting in

reduced consumer engagement. Conversely, Coca-Cola's commitment to red has facilitated consistent global branding, thanks in part to red's positive cultural connotations across many markets.

Singh and Srivastava (2011) argue that marketers must consider either pan-cultural strategies, identifying colours that resonate across multiple regions, or develop culture-specific palettes tailored to local perceptions. This involves not just translation of visual assets but recontextualization of brand meaning through culturally appropriate symbolism. Semiotic analysis, consumer testing, and anthropological insight can support such adaptation.

Osgood et al. (1957) proposed that emotional reactions to colour are not universal but stem from sociocultural conditioning. Crozier (1996) supported this view, suggesting that associations between colour and meaning are acquired through lived experience rather than innate responses. Brands entering international markets must therefore conduct comprehensive cultural audits to prevent miscommunication and ensure resonance.

2.1.3. The Role of Colour in Advertising Effectiveness

In the realm of advertising, colour plays a dual role: it serves both as a visual attractor and as a communicator of emotional tone (Singh, 2006). Gorn et al. (1997) demonstrated that the strategic use of colour enhances message retention, increases persuasive impact, and improves brand recall. Colour can influence the viewer's mood, prime them for message reception, and guide the interpretation of advertising content.

Consumers tend to have a more positive attitude towards advertisements that contain certain colours (Singh, 2006). Choosing the right colours can enhance and drive the success of an advertising campaign, product, service, or interior design, while the wrong colour choices can lead to costly errors. Colours can create two different effects when viewing advertisements: they can have a positive effect and help in understanding the message of the advertisement, or they can distract and take away resources from processing the message conveyed (Singh, 2006). Research on ads in the yellow pages has shown that colour ads increase the perception of product quality compared to black and white ads, and attract attention, but this effect varies depending on the product and therefore depends on the context. For example, consumers who are already aware of the quality of a product do not give weight to these factors when evaluating the product (Lohse & Rosen, 2001).

It's been noted how ads with high intensity levels elicit a more relaxed feeling, while those with high saturation arouse more excitement, and both positively influence attitudes towards the ad (Gorn et al., 1997). High saturation colours such as bright red and neon green increase arousal, which may benefit advertisements intended to provoke excitement or immediate action. Meanwhile, low saturation colours like pastel blue or beige can soften the message and make the content appear more thoughtful or sophisticated. The background colour of an advertisement, too, influences the perception of product quality and brand trustworthiness (Lohse & Rosen, 2001).

In a study by Mehta and Zhu (2009), the effectiveness of prevention-focused versus promotion-focused messages was shown to depend on the background colour. Red backgrounds amplified the impact of warnings and safety campaigns, while blue backgrounds enhanced the effectiveness of aspirational content, such as travel or lifestyle products. These findings highlight the interaction between colour and message framing, offering opportunities for more precise targeting.

Moreover, the rise of digital advertising introduces new dimensions of colour use. The screen-based nature of digital platforms allows for more dynamic colour transitions, hover effects, and interactivity. However, digital media also introduces variability in colour rendering across devices, underscoring the need for standardised colour palettes and responsive design considerations.

2.1.4. Colour as a Strategic Component of Brand Identity

Colour is also a fundamental aspect for building and fortifying brand identity. Brand identity comprises visual, verbal, and experiential components, and colour is foundational to the visual layer. A strong brand colour palette enhances recognition, facilitates differentiation, and strengthens emotional connection. Labrecque and Milne (2012) stresses that colours act as a factor that triggers associations within the minds of consumers and they emphasise the importance of consistency in colour usage across all brand touchpoints, from packaging and advertising to websites and retail interiors; therefore, companies can use it as a tool to trigger certain associations and contribute to the perception of that brand's personality. Colour itself fosters a positive attitude if it can create a connection between the colour of the logo and the brand values. In their studies, the authors show how not only hue, a

characteristic on which most colour studies are based, but also saturation and brightness influence the perception of brand personality: for example, if you want to make a brand more sophisticated, it is better to use a purple with high intensity and low saturation.

Brands often select colours based on desired personality traits. Apple's use of white and silver underscores its commitment to innovation, simplicity, and futurism. Starbucks employs green to convey sustainability, relaxation, and social responsibility. These choices are not arbitrary but grounded in strategic decisions to match brand values with consumer expectations.

Moreover, colour aids in market segmentation. High-end brands often use black, gold, or deep burgundy to signal exclusivity, while mass-market brands use bright primaries to suggest value and accessibility. A failure to align colour with brand positioning can lead to cognitive dissonance, reducing brand credibility (Grossman & Wisenblit, 1999).

Kumar (2017) argues that what is important for a brand is consistency: the chosen colour should be represented in all aspects of the company. Well-known brands that have succeeded in establishing brand recognition can afford to temporarily manipulate the colour of a product with a marketing strategy. Heinz was successful in applying this strategy when they introduced green ketchup packaging in the 2000s. The striking packaging of EZ Squirt Blastin' Green ketchup sparked consumer curiosity and helped increase sales by \$23 million, demonstrating the powerful association people had between Heinz and its traditional red ketchup.

Consumers had built up a strong association with the Heinz brand and the red colour of ketchup, and this alteration captured attention and interest, significantly increasing sales. In his study, he also shows how a brighter shade is perceived more positively and that some colours have stronger associations than others (Kumar 2017).

2.2. From Emotional Cues to Symbolic Meaning: Linking Colour and Archetypal Branding

Emotional engagement is the basis of effective marketing, and colour plays a fundamental role in facilitating such responses (Labrecque & Milne, 2012). Colours evoke psychological traits that help shape consumer expectations and influence their evaluations of brand attributes. For instance, consumers exposed to blue in financial service advertisements may interpret the brand as trustworthy and secure, whereas red is often associated with energy, urgency, or passion, depending on the context. These responses are not random but are built upon culturally and psychologically conditioned meanings that become embedded within the consumer psyche (Chang & Lin, 2010; Labrecque & Milne, 2012). Visual arts play a dual role in contemporary marketing: they act as persuasive communication tools while simultaneously shaping social attitudes, highlighting the centrality of emotions and experiences in consumer decision-making (Marciszewska & Marciszewski, 2021).

The mechanism behind these emotional responses is commonly understood through the lens of associative learning theory. According to Grossman and Wisenblit (1999), consumers learn to associate certain colours with product categories or emotional themes based on repeated exposure to colour-symbol combinations. Over time, green becomes synonymous with sustainability, red with urgency or appetite, and gold with luxury. These associations are not innate but constructed through cultural reinforcement and brand repetition. For high-involvement products, those requiring greater consideration, consumers are more likely to conform to culturally accepted colour cues. Conversely, with low-involvement or unfamiliar products, marketers have greater flexibility to innovate or establish new colour associations (Grossman & Wisenblit, 1999).

This flexibility empowers brands to use colour strategically, not only as a visual differentiator but also as a carrier of deeper symbolic meaning. Singh (2006) highlights that colour perception is influenced by both innate psychological predispositions and socio-demographic factors such as age, gender, income, and cultural background. Crucially, colour often exerts its influence on a subconscious level. Consumers may not consciously notice a brand's colour choice, yet it shapes their impression of the product or advertisement, effectively transferring the emotional charge of the colour onto the message or package (Singh, 2006).

Because colours can consistently elicit emotions and convey symbolic traits, such as blue with competence, yellow with optimism, and black with power, they are also closely tied to symbolic branding frameworks, such as those based on Jungian archetypes. The notion of archetypes, first conceptualized by Carl Gustav Jung, pertains to universally shared symbols and themes that reside within the collective unconscious. These are not arbitrary constructs, but rather innate, recurring motifs and character patterns embedded in human cognition and culture. Archetypes manifest through stories, myths,

dreams, rituals, and art across time and geographies, forming the basis of our shared symbolic understanding (Jung, 1959). When colour is used to reinforce these archetypal patterns, it creates a powerful resonance that deepens the brand's narrative and emotional impact.

This symbolic function of colour aligns with principles from corporate semiotics, where visual elements like logo colour serve as non-verbal signals that guide consumer interpretation (Chang & Lin, 2010). As such, colour not only triggers emotional reactions but also anchors a brand's archetypal identity. This transition from simple emotional cues to complex symbolic meaning marks a critical evolution in how marketers deploy colour—not just as a surface design tool, but as an integral part of brand storytelling.

2.3. Colour and Archetypes: Constructing Brand Personality through Symbolic Codes

2.3.1. The Archetypal Foundations of Branding

In branding, archetypes serve as psychological templates that guide consumer perception, behaviour, and emotional engagement. Brands that effectively embody an archetype can transcend the transactional and enter the realm of identity and meaning-making. Storytelling rooted in archetypes enhances brand value by activating narrative transportation and shaping both functional and emotional perceptions of the brand (Ganassali & Matysiewicz, 2020). The concept of archetypes encompasses an infinite number of possibilities. However, Mark and Pearson (2001) were pioneers in applying this idea to branding, condensing the countless archetypes into a more practical set of twelve. Associating a brand with a specific archetype can evoke strong responses, largely because people are inherently and subconsciously attuned to these universal patterns. According to them, the application of archetypes in brand strategy can foster authenticity, build trust, and facilitate stronger emotional connections with consumers. Their framework outlines twelve archetypes, each characterized by specific desires, fears, and values: the Hero, Outlaw, Sage, Lover, Caregiver, Magician, Ruler, Creator, Explorer, Jester, Innocent, and Everyman (Mark & Pearson, 2001).

Brands can embody the core of their category and convey this meaning in a nuanced and sophisticated manner (Mark & Pearson, 2001). Numerous long-lasting and successful brands have drawn on mythic figures rooted in archetypal imagery to represent and express the advantages and qualities of their products, while also delivering psychological and emotional value to consumers. These archetypes are not merely marketing tools but rather narrative engines that allow brands to play a role in the symbolic lives of consumers. They function as identities that shape how consumers relate to the brand, interpret its messaging, and align with its values. Archetypes may influence consumers differently depending on product type, with symbolic goods being more strongly affected by narrative strategies than functional products (Ganassali & Matysiewicz, 2020). A Hero brand offers consumers empowerment and triumph over adversity. A Caregiver brand represents support, nurture, and trust. These roles are visually and emotionally enacted through every brand touchpoint, packaging, advertisements, website design, in-store environments, and especially through colour.

Take, for instance, Harley-Davidson and Nivea. The former taps into the Outlaw archetype by visually projecting rugged masculinity and rebellion, supported by black-dominant visuals and bold iconography (Broek, 2014). The latter, Nivea, embraces the Caregiver archetype, using soft blue hues, rounded logos, and gentle imagery to evoke feelings of safety and maternal comfort (Haddad et al., 2015). These brands offer emotional narratives, not just functional benefits, and colour plays a central role in that storytelling.

2.3.2. Colour as a Visual Language of Archetypes

Colour is one of the most powerful non-verbal tools in branding because it conveys meaning rapidly and intuitively. It operates both at the emotional and symbolic levels, tapping into deep psychological and cultural associations. Within the framework of archetypes, colour acts as a semiotic resource, a visual signifier that expresses an archetype's emotional tone, personality, and values.

Recent scholarship has begun to explore the powerful intersection between colour and archetypal branding. Baronio et al. (2022) argue that the effectiveness of a brand's visual identity is significantly enhanced when colour is intentionally aligned with archetypal meaning. Their research underscores how colour can be used not only as an aesthetic or emotional cue, but as a symbolic extension of the brand's narrative identity. For example, brands that embody the "Magician" archetype, evoking transformation, mystery, and transcendence, often use colours such as purple and metallic tones. These

hues are historically associated with mysticism, royalty, and otherworldliness, thus reinforcing the brand's archetypal message at a symbolic level.

Archetypal psychology provides marketers with a framework to understand the intrinsic and often subconscious meanings consumers attach to brands. This approach facilitates the creation of lasting brand identities that resonate with core human emotions and behavioural patterns (Mark & Pearson, 2001). Archetypes, conceptualised as universal characters or motifs embedded in the collective unconscious, help brands connect with consumers' most fundamental motivations and desires. In this way, the use of archetypes in marketing and advertising extends beyond creative storytelling, it becomes a strategic tool for emotional alignment and identity formation (Siraj & Kumari, 2011).

By embedding archetypal meaning into brand communication, marketers activate what is sometimes referred to as the consumer's "psychic matrix", a mental space shaped by innate desires and symbolic recognition (Baronio et al., 2022). As Jungian theory suggests, archetypal imagery resonates with shared human experiences, inspiring feelings of aspiration, safety, power, or belonging. These emotional triggers are especially effective in motivating brand preference and loyalty. The motivational theory of basic desires, as applied to branding, can be mapped along two opposing axes: the desire for belonging versus the drive for individualisation, and the need for security versus the ambition to take risks (Mark & Pearson, 2001). Different archetypes reflect these tensions: for instance, the "Caregiver" archetype appeals to security and belonging, while the "Outlaw" and "Explorer" archetypes tap into individualism and risk-taking.

Moreover, effective brand positioning requires an understanding not only of external market trends but also of internal brand identity (Duarte et al., 2024). This includes an articulation of the company's self-concept, its values, ambitions, virtues, and behavioural tone. Identifying the archetype that the brand most naturally expresses is critical to creating coherence across its communications, design elements, and consumer touchpoints. Brands that succeed in this alignment are more likely to foster strong emotional bonds with their audiences and command long-term loyalty.

Broek's (2014) empirical research provides one of the most comprehensive studies of the colour-archetype relationship. He conducted a large-scale logo variation experiment where participants were asked to match colours with perceived brand archetypes. The results validated long-held design assumptions: red was consistently linked with the Hero and Outlaw, black with the Ruler and Outlaw, and blue with the Sage and Ruler. His findings also showed that brightness and saturation levels modulate emotional intensity: high- saturation colours tended to evoke excitement and boldness, while muted tones communicated sophistication or reliability.

Moreover, the perception of colour is not isolated; it is shaped by contrast, context, and combination. For example, red paired with black signals power and dominance (Hero or Outlaw), while red combined with white might signify passion and purity (Lover or Innocent). These combinations deepen the semiotic richness of colour and reinforce archetypal complexity.

Colour is not a passive design choice but an active communicator of archetypal identity. When deployed strategically, it supports narrative coherence, emotional resonance, and brand differentiation. For designers, marketers, and communication strategists, understanding the colour-archetype relationship is critical to crafting compelling and cohesive brand narratives that speak to the symbolic psyche of consumers.

2.3.3. Colour Palettes and Archetypal Expression: Case-Based Analysis

This section explores in detail how colour functions as a vehicle for brand archetype communication. Drawing on Broek (2014), Labrecque and Milne (2011), Haddad et al. (2015), and case-based industry examples, we highlight each archetype and its corresponding colour palette, as seen in Table 1.

Table 1. Correspondence between Archetypes, Colours and Brands

| Archetype | Description | Colours | Case study |
|------------------|--|---------------|--|
| Hero | Characterized by strength, determination, and a desire to prove worth through courageous acts. | Orange | Nike exemplifies the Hero archetype. Its “Just Do It” slogan and athlete-focused campaigns encourage empowerment and perseverance. Visually, Nike uses red and black in limited editions and blue in corporate materials to highlight dependability and strength. Its endorsements of high performing athletes deepen its heroic image. |
| Outlaw | Embodies rebellion, rule-breaking, and non-conformity. | Yellow | Harley-Davidson adopts a predominantly black visual identity, with chrome accents and gritty textures to evoke danger, freedom, and anti-establishment energy. The brand’s messaging embraces slogans like “Live to Ride,” reflecting the Outlaw’s core drive for liberation. |
| Sage | Represents wisdom, intellect, and a quest for truth. | Green | Google , with its emphasis on knowledge, data accessibility, and technological clarity, embodies the Sage archetype through its rational branding and information-driven identity. |
| Ruler | Symbolizes leadership, control, and structure. | Purple | Mercedes-Benz projects a strong Ruler identity through its use of sleek black and silver tones, paired with messaging that emphasizes prestige, authority, and engineering excellence. The brand’s consistent focus on luxury and status reinforces its alignment with the Ruler archetype. |
| Lover | Centres on intimacy, passion, and aesthetics. | Orange Red | Victoria’s Secret uses soft pink and red extensively in packaging and store design, cultivating an atmosphere of sensuality and desire. The emotional appeal is enhanced through lighting and imagery that focuses on romance and allure. |
| Caregiver | Motivated by compassion and the desire to protect others. | Purple Blue | UNICEF consistently uses light blue and white in its branding to evoke safety, care, and humanitarian support. These colours reinforce its mission to protect and nurture vulnerable children worldwide, embodying the core values of the Caregiver archetype. |
| Jester | Brings joy, spontaneity, and humour. | Red Purple | M&M’s relies on bold, bright packaging and animated characters to foster playful engagement. The brand’s humorous tone and vibrant visuals reinforce the Jester’s emotional connection to fun. |
| Explorer | Defined by independence, adventure and a desire to discover. | Green Yellow | Jeep uses dark green in its logo and nature-oriented imagery to symbolise wild freedom. Advertising often takes place in untamed landscapes, reinforcing the Explorer narrative. |
| Innocent | Driven by a desire to do the right thing and maintain purity. | Blue | Dove uses white and soft tones across its packaging and campaigns to convey cleanliness, simplicity, and honesty. Its messaging around real beauty and self-care aligns closely with the Innocent archetype’s values of purity, sincerity, and doing good. |
| Magician | Associated with vision, transformation, and insight. | Yellow Orange | Disney uses glowing purples and night-sky blues in castle imagery and fantasy branding. The use of sparkles and lighting effects adds a sense of magic and wonder, consistent with the archetype. |
| Creator | Values imagination, originality, and craftsmanship. | Blue Green | Apple embodies the Creator archetype through its minimalist design, sleek product aesthetics, and emphasis on innovation. Its use of clean visuals and elegant materials highlights originality and craftsmanship, reinforcing its identity as a brand for creators and visionaries. |
| Everyman | Emphasizes humility, dependability, and equality. | Red | IKEA uses blue and yellow to present affordability and practicality. Its straightforward layouts and relatable lifestyle ads underscore the Everyman’s no-frills ethos. |

Source: Self-elaboration, 2025

These case studies demonstrate how brands strategically leverage colour to embody archetypes and enhance narrative coherence. Through consistent use of colour across touchpoints, brands reinforce their identity, making it easier for consumers to build emotional connections.

2.3.4. Implications for Branding Strategy

The interplay between colour and archetype is not merely aesthetic; it functions as a strategic branding tool with far-reaching implications for how brands are conceived, positioned, and perceived over time. In modern marketing, brands are not just providers of goods and services; they are symbolic actors embedded within cultural narratives. Colour, as both a semiotic and emotional device, plays a central

role in reinforcing brand identity at both conscious and unconscious levels (Grossman & Wisenblit, 1999; Singh, 2006).

Colour serves as a strategic asset in branding, particularly when aligned with archetypal meaning. It enhances brand coherence, emotional engagement, and consumer recognition. Brands like Nike exemplify the power of matching bold colours with archetypes such as the Hero (Baronio et al., 2022). Colour also differentiates brands in crowded markets and signals core traits like creativity, trust, or excitement (Labrecque & Milne, 2012).

Emotionally, colour acts as narrative shorthand, evoking feelings before any message is processed, bright hues for joy (Jester), soft tones for care (Caregiver), or dark shades for power (Ruler) (Grossman & Wisenblit, 1999; Singh, 2006). Misalignment between colour and archetype weakens brand authenticity and trust. Artistic expressions such as symbolic imagery and posters engage consumers on an emotional level and can stimulate new experiences, reinforcing the need to integrate aesthetic-emotional elements into brand strategies (Marciszewska & Marciszewski, 2021).

Culturally, colours carry varied meanings, requiring global brands to adapt their palettes without losing symbolic consistency (Aslam, 2006; Broek, 2014). When used effectively, colour influences not only perception but also behaviour, boosting preference, loyalty, and emotional attachment.

Wrapping up, colour is far more than a superficial design element; it is a powerful medium for expressing brand archetypes, cultivating emotional engagement, and establishing market differentiation. When used consistently and thoughtfully, colour can translate abstract psychological themes into visual language that consumers intuitively recognize and emotionally respond to. As such, it is one of the most potent tools in a brand's strategic toolkit, shaping perception, enhancing loyalty, and fostering symbolic resonance across diverse cultural and market contexts.

3. Methodology

3.1. Research Question

Are the colours that consumers associate with archetypes aligned with the colours of the archetypal branding, or does the brands plays as a mediator factor that influences consumer perception?

3.2. Research Objectives

1st: To investigate the perception of consumers in associating colours with archetypes, by exploring how colour reinforces brand archetypes and contributes to symbolic identity construction. The objective is to understand how specific colours align with Jungian archetypes.

2nd: To investigate the association of consumers regarding colours and brands, by evaluating whether the alignment of colour with brands is supported by their brand visual identities.

3rd: To investigate the perception of consumers in associating brands with archetypes, by assessing the imaginary positioning of the studied brands regarding Jungian archetypes.

3.3. Research Design

This study employs a quantitative, cross-sectional survey-based research design to examine the relationship between colours, archetypes, and brands. The authors propose that brands serve as mediators, influencing consumer perceptions and affecting the coherence among these three elements. The methodology is rooted in psychometric practices, beginning with converting all Likert-scale responses into numeric scores, followed by conducting frequency and contingency analyses of colour, archetype, and brand data. This includes using crosstab heatmaps and chi-square tests for colour matches, exploring relationships through correlation matrices, and ultimately applying binary and multinomial logistic regression models. These models evaluate both the direct effect of archetype identity and the mediating role of brand-colour cues on respondents' colour choices, all grounded in principles from colour psychology, branding theory, and Jungian archetypes.

The study was exploratory and explanatory. It aimed to detect patterns of association (or not) between colour- archetype congruence and understand how symbolic brand interpretations shape and change cognitive and emotional perceptions of colours associated with them.

For the colour selection task in the survey, the authors used the twelve-colour system defined by Itten's colour wheel (Itten, 1961), a foundational framework in modern colour theory. This standardised chromatic structure provided a consistent and theoretically grounded basis for participants to assign hues to each archetype.

3.4. Data Collection Instruments

An online questionnaire was constructed using Google Forms, where all items were displayed in a randomized order to mitigate response biases. It was online from June 14th, 2025, until July 29th, 2025. A total of 281 valid responses were collected, with no exclusions, as participants were screened at the beginning of the questionnaire and instructed not to participate if they were colour-blind.

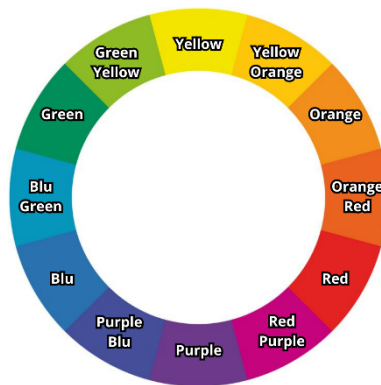
The sample demographics were as follows: Age: 34.4% aged 18–24 years, 23.8% aged 25–34 years, 14.9% aged 35–44 years, 19.9% aged 45–54 years, and 7.1% aged 55 or older; Gender: 58.9% female, 40.4% male, and 0.7% other; Nationality: 54.3% Portuguese, 26.2% Italian, 6.4% Brazilian, with all other nationalities each under 2%.

While the sample size is sufficient for chi-square and multinomial logistic regression analyses with expected cell counts above conventional thresholds, its non-probabilistic nature limits the generalisability of findings to broader populations.

The stimuli presented in the questionnaire included two key components:

First, a standardized colour palette (figure 1) based on Itten's twelve-colour wheel (Itten, 1961), providing a consistent theoretical framework for hue selection across all archetype and brand matching tasks. This palette was shown as a visual table with clearly labelled colours, ensuring that all participants referred to the same chromatic reference when making their choices.

Figure 1. The twelve-colour wheel



Source: Itten, 1961.

Secondly, archetype definitions and brand examples: Participants were presented with concise textual descriptions of each of the twelve Jungian archetypes, along with twelve widely recognised brands, following the framework developed in Broek (2014), Haddad et al. (2015), and Labrecque & Milne (2011), as summarised in Table 1 of this article. These definitions and examples provided the conceptual anchors for the matching tasks, ensuring semantic clarity and consistency across respondents.

To clarify the operationalisation of each construct and the coding applied in the statistical analyses, Table 2 summarises all variables measured in the study, including the exact items presented to participants and their response formats. This additional detail complements the theoretical grounding (de Vaus 2013) outlined above and ensures transparency for replication purposes:

Table 2. Structure of the survey

| Section | Questions | Theoretical Grounding | Response Format |
|------------------------------------|---|--|-----------------------------|
| Informed Consent (eliminary) | Preliminary consent and opt-in. Screening question to exclude colour-blind participants. | General Regulation of Data Protection—Law nº 58/2019colour perception is studied (Singh & Srivastava, 2011). | Nominal (12-colour palette) |
| Part 1 - Colour-Archetype Matching | Q1-Q12: <i>"There are 12 archetypes. Please read each archetype description and choose the colour you instinctively associate with it."</i> | Jungian archetypes (Jung, 1959; Mark & Pearson, 2001); colour theory and symbolism (Itten, 1961; Singh & Srivastava, 2011; Baronio et al., 2022; Broek, 2014). | Nominal (12-colour palette) |

| | | | |
|--------------------------------------|---|--|-------------------------|
| Part 2 - Brand-Colour Association | Q13-Q24: <i>"Match each brand with the colour you believe fits it best."</i> (Matrix: 12 brands × 12 colours) | Brand-colour congruence and associative learning (Grossman & Wisenblit, 1999; Labrecque & Milne, 2012; Itten, 1961; Broek, 2014). | Nominal (12 archetypes) |
| Part 3 - Brand-Archetype Association | Q25-Q36: <i>"Match each brand with the archetype you believe fits it best."</i> (Matrix: 12 brands × 12 archetypes) | Brand personality frameworks (Mark & Pearson, 2001); symbolic communication (Baronio et al., 2022; Siraj & Kumari, 2011; Haddad et al., 2015). | Likert scale (1–7) |
| Part 4 - Personal Archetype Identity | Q37: <i>"To what extent do you personally identify with each of the following archetypes?"</i> (12-item matrix, Likert scale) | Consumer self-schema and projection of brand meaning (Jung, 1959; Mark & Pearson, 2001; Siraj & Kumari, 2011). | Likert scale (1–7) |
| Part 5 - Brand Self-Identification | Q38: <i>"To what extent do you personally identify with each of the following brands?"</i> (12-item matrix, Likert scale) | Brand-self congruence and emotional engagement (Aaker, 1997; Labrecque & Milne, 2012; Haddad et al., 2015; Broek, 2014). | Categorical / Ordinal |
| Part 6 - Demographic Information | Q39: <i>What is your age?</i> Q40: <i>What is your gender?</i> Q41: <i>What is your nationality?</i> | Cultural interpretations of colour and archetypes vary (Singh & Srivastava, 2011; Aslam, 2006) | Categorical / Ordinal |

Source: Self-elaboration, 2025.

3.5. Data Analysis Techniques

To analyze the data, we used both descriptive and inferential statistical methods implemented in Python 3 on Google Colab. Analyses included chi-square tests for frequency distributions, correlation matrices to explore inter-variable relationships, and multinomial logistic regressions to evaluate the predictive and mediating effects of brand-colour cues.

For models with categorical outcomes, reference categories and convergence criteria were explicitly checked, and alternative specifications (e.g., collapsing rare categories) were considered when necessary.

3.6. Sampling Method

Participants were recruited using a non-probabilistic convenience sampling method, primarily through academic mailing lists and digital networks. The only mandatory inclusion criterion was that participants could not be colourblind, as colour perception was central to the study. A total of 281 valid responses were collected and retained for analysis. The sample was obtained using a non-probabilistic snowball sampling method based on convenience (Gunter, 1999), involving participants accessible to the researchers, who were reached directly through their personal networks and social media platforms and asked to share and spread the link to the survey.

3.7. Ethical Considerations

The research conformed to ethical standards for social science research involving human participants. Participation was voluntary and anonymous. Respondents were informed of the purpose of the study, and no identifying information was collected. Data were stored securely and analysed only in aggregate form. The study adhered to the principles of the European General Data Protection Regulation (GDPR), with explicit consent obtained at the beginning of the questionnaire.

4. Results

4.1. Colour-Archetype Associations

The first aspect analysed was the correspondence of each archetype regarding colours. The results, in absolute frequencies, shown in Table 3, demonstrate that consumers show clear, consistent colour-archetype associations for the high-salience archetypes: for "Hero" overwhelmingly chose red (108), "Sage" blue (60), "Ruler" blue (62), "Jester" yellow (123), "Explorer" green (82), and "Magician" purple (92). By contrast, archetypes tied to more muted or neutral palettes produced much more dispersed

responses: “Lover” tended toward red-purple (129) rather than a single soft tone, “Caregiver” gravitated to blue-green (51), “Innocent” to blue-green (85), “Creator” to yellow (48), “Everyman” to blue (66), and “Outlaw” to red (56), each with substantial selections of alternative colours.

Table 3. Colour-Archetype correspondence

| Archetype | Blue | Blue Green | Green | Green Yellow | Orange | Orange Red | Purple | Purple Blue | Red | Red Purple | Yellow | Yellow Orange |
|-----------|------|------------|-------|--------------|--------|------------|--------|-------------|-----|------------|--------|---------------|
| Hero | 34 | 3 | 23 | 2 | 18 | 23 | 1 | 7 | 108 | 6 | 34 | 22 |
| Outlaw | 11 | 4 | 8 | 8 | 11 | 23 | 56 | 13 | 79 | 33 | 23 | 12 |
| Sage | 60 | 34 | 42 | 20 | 10 | 8 | 21 | 35 | 31 | 3 | 31 | 15 |
| Ruler | 62 | 10 | 27 | 10 | 12 | 17 | 27 | 51 | 40 | 3 | 12 | 10 |
| Lover | 3 | 3 | 2 | 8 | 5 | 17 | 12 | 3 | 86 | 129 | 9 | 4 |
| Caregiver | 22 | 51 | 25 | 41 | 14 | 17 | 13 | 11 | 63 | 18 | 30 | 30 |
| Jester | 4 | 11 | 1 | 22 | 41 | 12 | 7 | 5 | 3 | 123 | 38 | 19 |
| Explorer | 9 | 21 | 82 | 77 | 23 | 17 | 6 | 5 | 6 | 4 | 14 | 38 |
| Innocent | 26 | 85 | 31 | 42 | 13 | 5 | 5 | 6 | 13 | 31 | 19 | 24 |
| Magician | 18 | 19 | 13 | 16 | 16 | 17 | 92 | 30 | 6 | 22 | 19 | 30 |
| Creator | 18 | 26 | 18 | 15 | 25 | 36 | 20 | 16 | 21 | 48 | 34 | 25 |
| Everyman | 66 | 51 | 32 | 18 | 17 | 11 | 8 | 30 | 14 | 7 | 12 | 15 |

Source: Self-elaboration, 2025

Table 4. Frequency of each colour for each archetype (N=281)

| Archetype | Most Chosen Colour | Frequency | Percentage (%) |
|-----------|--------------------|-----------|----------------|
| Hero | Red | 108 | 38.4 |
| Sage | Blue | 60 | 21.4 |
| Ruler | Blue | 62 | 22.1 |
| Jester | Yellow | 123 | 43.8 |
| Explorer | Green | 82 | 29.2 |
| Magician | Purple | 92 | 32.7 |
| Lover | Red-Purple | 129 | 45.9 |
| Caregiver | Blue-Green | 51 | 18.2 |
| Innocent | Blue-Green | 85 | 30.2 |
| Creator | Yellow | 48 | 17.1 |
| Everyman | Blue | 66 | 23.5 |
| Outlaw | Red | 56 | 19.9 |

Source: Self-elaboration, 2025

4.2. Brand-Archetype and Brand-Colour Associations

Across the twelve archetypes, consumers primarily selected the following colours: for Hero, most frequently chose Red, Outlaw also Red, Sage > Blue, Ruler > Blue, Jester > Yellow, Explorer > Green, and Magician > Purple. Meanwhile, the more nuanced archetypes gravitated toward subtler canonical colours but still exhibited clear modal picks: to Lover, the favoured colour was Red-Purple, Caregiver > Blue-Green, Innocent > Blue-Green, Creators > Yellow, and Everyman > Blue.

Secondly, participants were asked to associate the 12 brands chosen with the 12 archetypes. The results are shown in Table 5.

Table 5. Correspondence between brands and the most frequently referred archetype

| Brand | Most Frequent Archetype |
|-----------------|-------------------------|
| IKEA | Creator |
| Dove | Caregiver |
| Nike | Hero |
| Harley-Davidson | Outlaw |
| Jeep | Explorer |

| Brand | Most Frequent Archetype |
|-------------------|-------------------------|
| Apple | Creator |
| Mercedes-Benz | Ruler |
| Disney | Magician |
| Victoria's Secret | Lover |
| UNICEF | Caregiver |
| M&M's | Jester |
| Google | Sage |

Source: Self-elaboration, 2025

As seen, brands exhibit clear “archetypal” selves in responders’ minds. IKEA and Apple most often evoke the Creator, while Dove and UNICEF lead with the Caregiver. Nike stands out as the quintessential Hero, Harley-Davidson as the Outlaw, Jeep as the Explorer, Mercedes-Benz as the Ruler, Disney as the Magician, Victoria's Secret as the Lover, M&M's as the Jester, and Google as the Sage.

Thirdly, participants were asked to associate the 12 brands chosen with colours. Responders’ modal colour choices closely track each brand’s signature hue. IKEA is most often paired with Yellow, Dove with Blue, Nike and Harley-Davidson with Red, Jeep with Green, Apple, Mercedes-Benz, Disney, UNICEF, and Google also with Blue, M&M's with Yellow, and Victoria's Secret with Red-Purple. Notably, Blue emerges as the top pick for half of the brands, Yellow and Red lead for two, while Green and Red-Purple were chosen for one each (Table 6).

Table 6. Correspondence between brands and the most frequently referred colours

| Brand | Most Frequent Colour |
|-------------------|----------------------|
| IKEA | Yellow |
| Dove | Blue |
| Nike | Red |
| Harley-Davidson | Red |
| Jeep | Green |
| Apple | Blue |
| Mercedes-Benz | Blue |
| Disney | Blue |
| Victoria's Secret | Red-Purple |
| UNICEF | Blue |
| M&M's | Yellow |
| Google | Blue |

Source: Self-elaboration, 2025

4.3. Alignment Between Colours, Archetypes, and Brands

On Table 7, the alignment between colours, archetypes, and brands is presented. As can be observed, across the twelve brands, there is a strong tendency for a brand’s signature colour to echo the palette of its dominant archetype. Eight of twelve brands show a direct match: IKEA’s top hue is Yellow, matching the Creator’s Yellow; Nike is paired with Red, just as the Hero archetype favours Red; Harley-Davidson and the Outlaw both most often pick Red; Jeep and the Explorer converge on Green; Mercedes-Benz and the Ruler both lead with Blue; Victoria's Secret and the Lover align on Red Purple; M&M's and the Jester are anchored in Yellow; and Google and the Sage share Blue. Four brands diverge from their archetypal norm: Dove is most often Blue, while the archetype Caregiver leans toward Blue Green, Apple is associated with Blue, despite Creator favouring Yellow, Disney to Blue, where Magician archetype is related to Purple, and UNICEF is associated with Blue, even though Caregiver was most often associated with Blue Green.

Table 7. Alignment between colours, archetypes, and brands

| Brand | Most Frequent Colour | Most Frequent Archetype | Archetype Most Frequent Colour |
|-------------------|-----------------------------|--------------------------------|---------------------------------------|
| IKEA | Yellow | Creator | Yellow |
| Dove | Blue | Caregiver | Blue-Green |
| Nike | Red | Hero | Red |
| Harley-Davidson | Red | Outlaw | Red |
| Jeep | Green | Explorer | Green |
| Apple | Blue | Creator | Yellow |
| Mercedes-Benz | Blue | Ruler | Blue |
| Disney | Blue | Magician | Purple |
| Victoria's Secret | Red-Purple | Lover | Red-Purple |
| UNICEF | Blue | Caregiver | Blue-Green |
| M&M's | Yellow | Jester | Yellow |
| Google | Blue | Sage | Blue |

Source: Self-elaboration, 2025

This pattern underscores how, in most cases, consumers' colour choices for a brand mirror the archetype's canonical hue, yet when brands adopt colours outside those classical palettes, they may emphasize broader cultural or brand-driven associations.

Based on our previous data, two deeper analyses were conducted. First, Alignment Analysis to confirm whether consumers' colour associated with archetypes matches the "official" (or intended) archetypal colour palette? Second, a Mediation Analysis means to what extent the brand itself (via its own colour identity) pulls consumers away from the archetype's colour?

4.4. Alignment Analysis

To test the statistical significance of misalignment, a chi-square test on the contingency table for each archetype was made. It allowed us to see that the observed distribution of colours deviates from what'd be "perfect alignment" (all χ^2 p-values = .000), meaning that for every role-from the vivid Hero and Sage to the subtler Everyman and Caregiver-consumers' palette choices differ systematically from the "official" single- colour expectation.

To an easier visualization of this phenomenon, twelve heatmaps were created (Annex 1) to show the mismatches between colours and archetypes, previously found in the literature, with Rows = Archetypes and Columns = Colours (all possible picks) and Values = frequency (or %).

4.5. Mediation Analysis

Here, we will run two multinomial logistic regressions (coding colours as factors) to answer the question: Does brand colour "attract" consumers? For example, let's say X = Archetype Identity (such as "Hero") and M = Brand Colour Identity (for that respondent, the colour they chose for the brand that exemplifies that archetype), and finally, the response variable Y = The colour the respondent chose for their archetype. With logistic regression, we want to look at the total effect of X on Y . This means how strongly the archetype predicts the colour choice. Additionally, we consider the indirect effect of X on M on Y . This means that the brand colour is measured, as you described in our previous analysis. So, the direct effect of X on Y , controlling for M , where Y is the dependent variable, which is the colour the respondent chose for the question about the pure archetype. This means which colour they would attribute to their Hero archetype. It will be coded numerically or with binary variables, since linear models such as logistic regression only work with numbers, not characters. X is the independent variable as a predictor, the identity of the archetype (e.g. Hero, Outlaw, etc.) and M the mediator variable that hypothesized the path through which X affects Y . Here, M corresponds to the colour chosen by the respondent for the brand that exemplifies this archetype, and we should code it as a categorical code (0, 1, 2, etc...) or as dummy variables. Our model is then: $Y \sim X + M$.

All the statistical figures are shown in Annex 2.

4.5.1. IKEA (V15) - Creator (V13)

First, we must know that the odds of an event are defined as: odds "Blue vs Yellow" = $P(\text{choosing Blue})/P(\text{choosing Yellow})$. This is equal for all the next tests.

In this case, we considered the following order for colours, according to the colours that appeared in

the dataset, and we considered Yellow as the baseline: 0 → Yellow (the baseline against which all others are compared); 1 → Blue; 2 → Yellow Orange; 3 → Other; 4 → Purple Blue; 5 → Green

Overall, the model's pseudo- R^2 is low (≈ 0.086), and the likelihood-ratio test ($p=0.28$) suggests that "Creator" colour only weakly predicts IKEA colour choice across all categories.

4.5.2. DOVE (V16) - Caregiver (V8)

The model's explanatory power is weak (pseudo- $R^2 \approx 0.089$), and the likelihood-ratio test ($p=0.8874$) indicates that Hero archetype colour choice only minimally predicts Dove (V16)–Caregiver (V8) colour selection.

4.5.3. NIKE (V17) - Hero (V3)

The model failed to fully converge, its pseudo- R^2 is modest (≈ 0.104), and the likelihood-ratio test ($p=0.3233$) indicates that Hero archetype colour choice offers virtually no reliable prediction of V17 colour selection.

4.5.4. Harley-Davidson (V18) - Outlaw (V4)

The model failed to converge fully, explains only a small fraction of variance (pseudo- $R^2 \approx 0.118$), and its likelihood-ratio test ($p = 0.1716$) shows that Outlaw archetype colour choice does not reliably predict this brand's colour selection.

4.5.5. Jeep (V19) - Explorer (V10)

The model's explanatory power is minimal (pseudo- $R^2 \approx 0.10$) and the likelihood-ratio test is non-significant ($p > 0.05$), indicating that Explorer archetype colour choice does not meaningfully predict this brand's colour selection.

4.5.6. Apple (V20) - Creator (V13)

The model explains little of the variation in brand colour choice (pseudo- $R^2 \approx 0.11$) and the likelihood-ratio test is only marginally significant ($p = 0.074$), suggesting that Creator archetype colour has, at best, a weak predictive relationship with this brand's colour selection.

4.5.7. Mercedes-Benz (V21) - Ruler (V6)

Scanning down to V21_rcode = 4 (Orange vs. Blue), we see two significant effects: Ruler_colour_Green Yellow (coef = 2.93, $p = 0.012$) and Ruler_colour_Yellow Orange (coef = 3.23, $p = 0.024$) both raise the log-odds of choosing Orange rather than Blue. In V21_rcode = 8 (Purple Blue vs. Blue), Ruler_colour_Orange (coef = 2.81, $p = 0.008$) similarly increases the log-odds of Purple Blue.

Apart from three contrasts, no other archetype-colour predictors reach significance, and the model's explanatory power is modest (pseudo- $R^2 \approx 0.108$) with a non-significant likelihood-ratio test ($p = 0.328$), indicating that Ruler-colour choice only weakly predicts this brand's colour selection.

4.5.8. Disney (V22) - Magician (V12)

The model's explanatory power is modest (pseudo- $R^2 \approx 0.12$) and the likelihood-ratio test is significant ($p = 0.0126$), indicating that, taken together, respondents' Magician-colour identifications predict brand colour choice better than chance, even though no single archetype-colour link stands out as a significant driver.

4.5.9. Victoria's Secret (V23) - Lover (V7)

In each block, the const term is the log-odds of picking that colour versus Orange when a respondent also chose Orange for the Lover archetype (all Lover_colour dummies = 0), and the Lover_colour_* coefficients show how choosing each other Lover-colour shifts those log-odds. However, the Hessian failed to invert, so no standard errors or p-values could be computed, and many estimates are extreme—indicative of separation or very sparse cells. Consequently, these coefficient magnitudes cannot be tested for significance, and the model's ability to link respondents' Lover-colour identifications to their brand colour choice remains inconclusive.

4.5.10. UNICEF (V24) - Caregiver (V8)

The model's explanatory power is weak (pseudo- $R^2 \approx 0.12$), and the likelihood-ratio test ($p = 0.108$)

indicates that respondents' Caregiver-colour identifications only minimally predict their UNICEF (V24) colour choices.

4.5.11. M&M's (V25) - Jester (V9)

The pseudo- R^2 is low (≈ 0.107), indicating that knowing someone's Jester colour does little to explain their M&M's colour choice. The likelihood-ratio test for the whole model ($p = 0.6294$) confirms that adding those Jester_colour predictors does not significantly improve fit over an intercept-only model. This means that the respondents' Jester-archetype colour selections have essentially no predictive power for their M&M's (V25) colour choices—none of the colour predictors are significant, the model explains very little variance, and the overall test of the predictors is non-significant.

4.5.12. Google (V26) - Sage (V5)

No Sage_colour coefficients reach conventional significance in most comparisons (all $p > 0.15$). The pseudo- R^2 is low (≈ 0.102) and the likelihood-ratio test is non-significant ($p = 0.156$), indicating that Sage-archetype colour choice adds only minimal explanatory power for Google (V26) colour selection. Conclusion: Sage archetype colour has very limited predictive value for Google colour choice—aside from two marginal shifts toward Red Purple and Yellow Orange when Sage was Green or Green Yellow, none of the predictors are significant, and the overall model explains little variance.

In summary, across all 12 brand-archetype pairs, archetype and colour choice explain very little of the variation in brand colour selection.

4.6. The relationship between people's "identification" with certain archetypes and their likelihood of choosing their "official" colour.

To test whether stronger identification with an archetype increases the likelihood of choosing that archetype's "official" colour for its flagship brand, we ran twelve multinomial logistic regressions—one for each brand—predicting respondents' chosen colour from their 0–4 identification score on the corresponding archetype (e.g. Creator score \rightarrow IKEA colour pick). In every case, model fit was very weak (McFadden's pseudo- $R^2 \leq 0.02$), and likelihood-ratio tests were nonsignificant ($p > .10$) for ten of the twelve brands, indicating that identification strength explained almost none of the variance in colour choice. Across a diverse set of global brands and archetypes, we found almost no evidence that feeling more like the brand's archetype makes people more likely to choose that brand's signature colour. Model fits were uniformly weak, and none of the expected "identification \rightarrow official colour" effects were significant. At best, a handful of marginal or incidental associations emerged (notably for Dove and Nike), but these never pointed toward greater alignment with the official hue. In short, archetypal self-identification does not appear to translate into colour-choice alignment with brands designated archetypal palettes.

5. Discussion

5.1. Interpretation of Findings

This research confirms that consumers exhibit consistent, non-random associations between colours and Jungian archetypes. These associations appear to be culturally and cognitively embedded, reflecting widely shared symbolic schemas rather than ad hoc personal preferences. For example, the persistent linkage of red with the Hero archetype and green with the Explorer suggests that archetypal narratives are reinforced through stable colour codes across contexts.

The weak mediating effect of brands found in this study indicates that, while brand identities can signal archetypal meaning, they are not powerful enough to override deeply rooted colour-archetype associations. Even strong global brands tended to follow, rather than reshape, these symbolic pathways. Where divergence occurred, such as in brands adopting palettes outside their canonical archetype colours, results did not indicate a successful reprogramming of consumer associations. Instead, they revealed partial alignment at best, underscoring the inertia of culturally established semiotic patterns.

Similarly, self-identification with an archetype did not predict greater alignment with corresponding brand colours. This suggests that even personal resonance with an archetypal narrative does not automatically translate into visual preference shifts. Symbolic resonance at the narrative level and at the visual-perceptual level may operate in parallel but not necessarily interact.

5.2. Practical Implications

For brand managers and marketers, these findings highlight the importance of strategic coherence between brand visuals and archetypal storytelling. Since consumers tend to rely on culturally stabilised colour codes when interpreting brand meaning, alignment with these codes can reinforce clarity and recognition. Conversely, deliberate deviation from canonical archetypal palettes should be approached with caution: while it may signal differentiation, it risks introducing symbolic dissonance that the brand's narrative strength alone may not compensate for.

This suggests that early-stage brand development and rebranding processes should integrate semiotic analysis of colour choices alongside archetype-based positioning. Marketing campaigns that rely heavily on visual cues to communicate archetypal narratives will likely be more effective when colour palettes are consistent with cultural expectations.

5.3. Future Research Directions

Several promising paths remain for future research. First, cross-cultural analyses are needed to determine how universal or culturally specific colour–archetype associations are. Since symbolic traditions and colour meanings differ significantly across societies, empirical studies examining the stability of these mappings across regions would clarify whether archetypal colour associations are consistent across cultures or are context dependent.

Second, further research should explore dynamic media environments. Moving images, immersive settings, and digital interfaces can either enhance or diminish archetypal colour signalling, leading to interaction effects between media format and symbolic processing. Understanding these effects is crucial for evaluating the ecological validity of existing findings in modern communication settings.

Third, longitudinal brand intervention studies could provide insight into the plasticity of symbolic associations. Specifically, examining whether sustained brand exposure over time can shift archetypal colour expectations would elucidate the mechanisms by which symbolic meanings evolve and are reinforced in consumer markets.

Finally, future research should address behavioural outcomes by linking archetypal colour alignment to observable consumer responses, such as engagement, purchase intention, and brand loyalty. Establishing this connection would not only advance theoretical accounts of symbolic resonance but also demonstrate its practical significance for marketing and branding strategies.

5.4. Limitations

This study has some limitations. The sample, although adequate in size, was recruited through convenience networks and is not representative of the general population, which limits generalizability. The survey relied on self-reported, forced-choice associations, capturing intuitive preferences but not deeper or context-dependent processes. Cultural diversity was limited, and colour symbolism can vary across societies, so future cross-cultural replications are needed. Finally, the explanatory power of the statistical models was low, suggesting that additional psychological and contextual factors likely influence how consumers link colours, archetypes, and brands.

6. Conclusions

This study examined whether and how brand identities mediate the symbolic relationship between colours and archetypes. The results show that consumers display consistent, culturally grounded colour–archetype associations — for example, red with the Hero and green with the Explorer — while brands generally reinforce, rather than reshape, these patterns. Only eight of twelve brands achieved direct alignment between their dominant archetype, their signature colour, and consumers' intuitive associations. Statistical modelling confirmed that the mediating effect of brands on colour choice is weak, with low explanatory power across all tests, and personal identification with an archetype did not significantly increase alignment with the corresponding brand colour. Together, these findings suggest that while colour remains a powerful semiotic resource in branding, its meaning is more culturally and cognitively stabilised than brand-driven, highlighting the importance of maintaining coherence between brand visuals and underlying archetypal narratives.

7. Acknowledgements

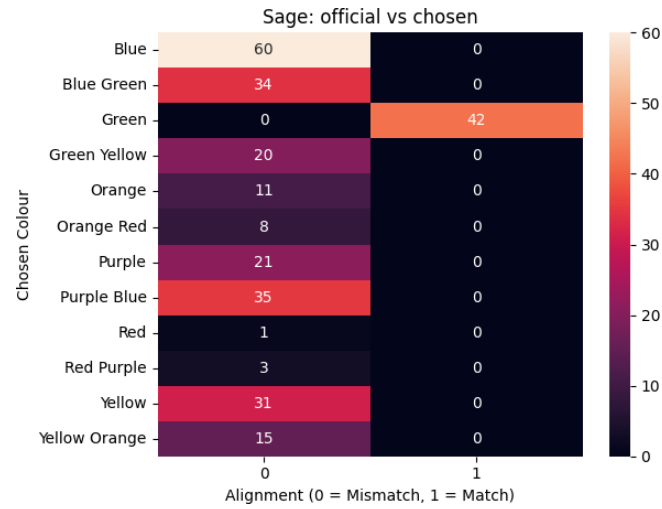
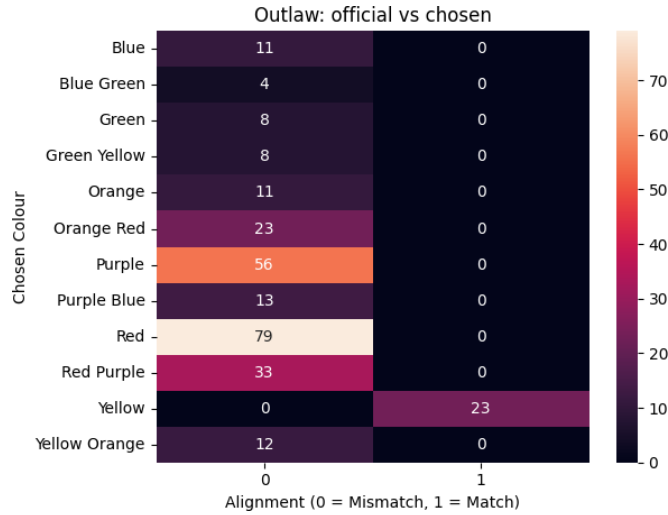
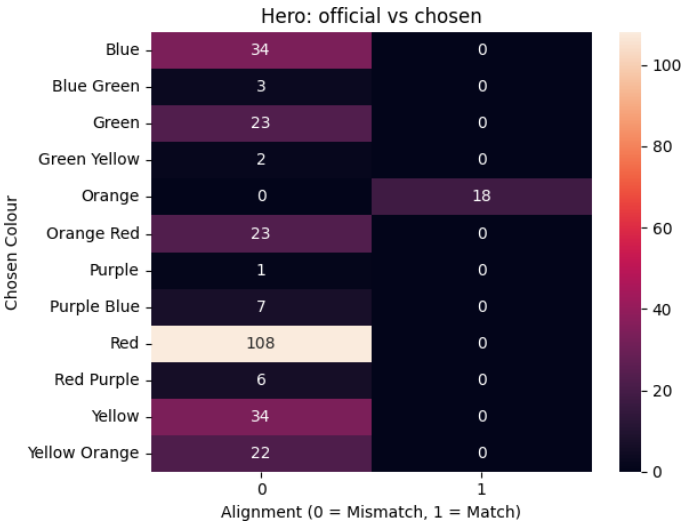
This work is funded by national funds through the FCT – Foundation for Science and Technology, I.P., within the scope of project UID/5021/2025.

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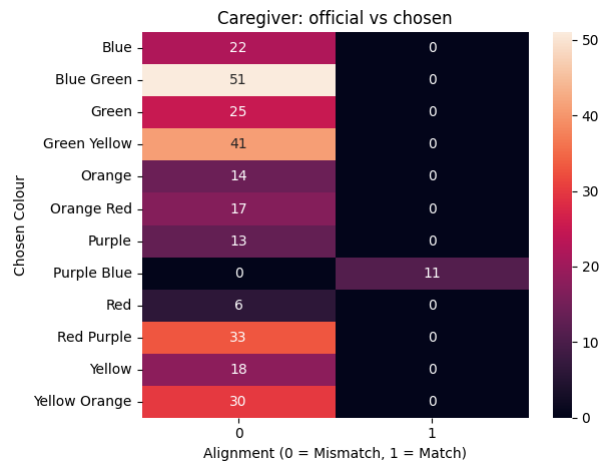
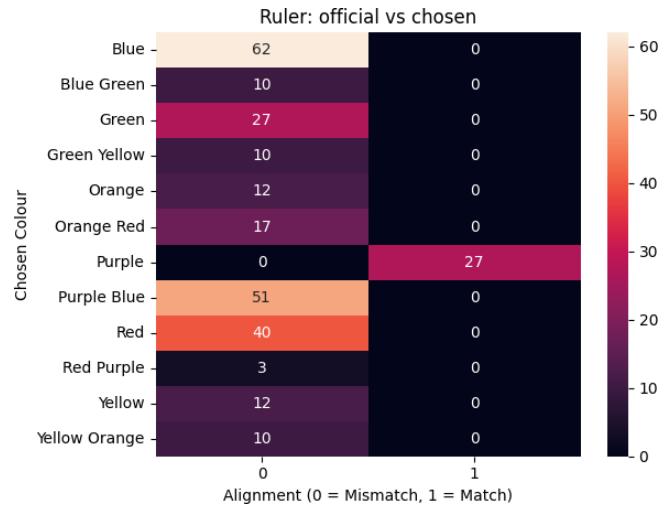
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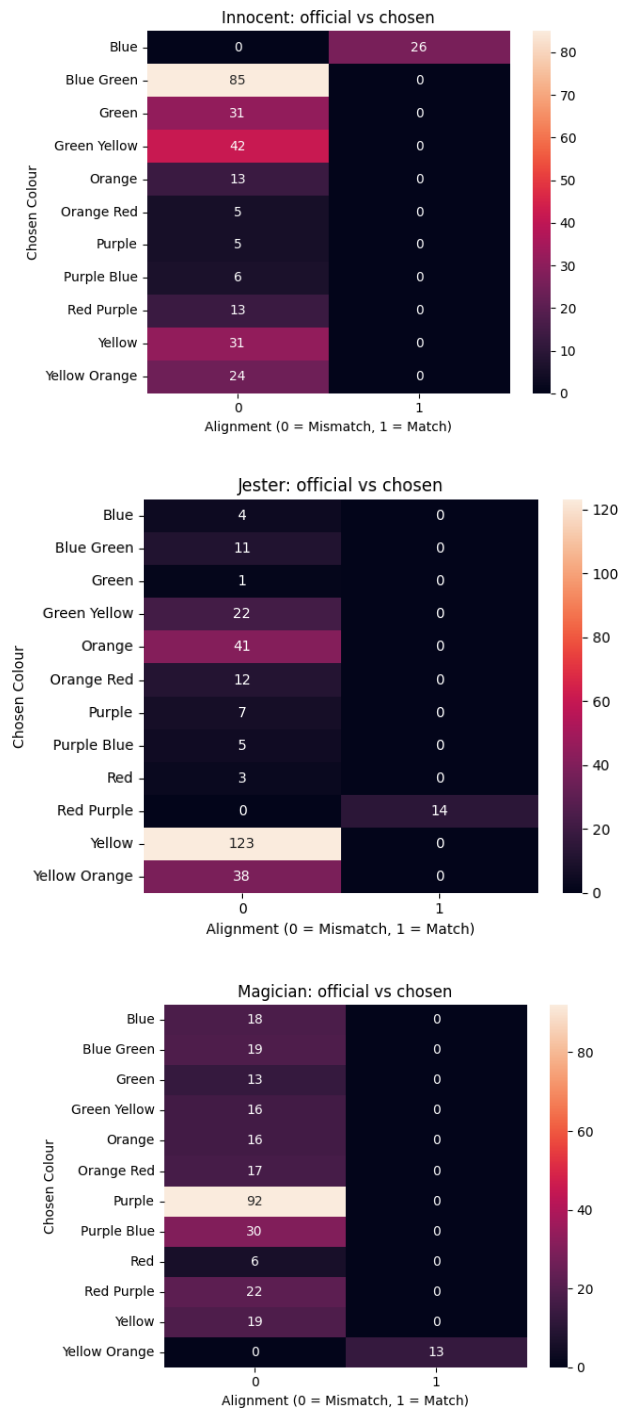
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Annex 1.

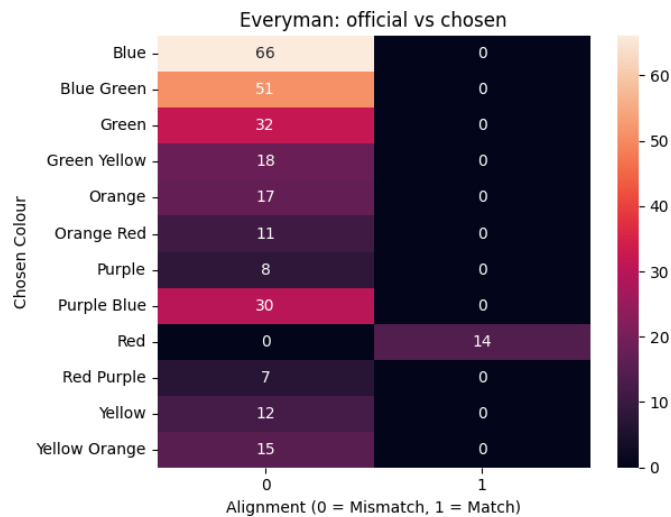


Brand Impact on the Perception of Colours and Archetypes





Brand Impact on the Perception of Colours and Archetypes



Annex 2.

| | | | | | | |
|------------------------------|---------|----------|--------|-------|-----------|----------|
| Creator_colour_Purple | 11.2574 | 126.973 | 0.089 | 0.929 | -237.605 | 260.120 |
| Creator_colour_Purple Blue | -8.3711 | 1.67e+04 | -0.001 | 1.000 | -3.27e+04 | 3.27e+04 |
| Creator_colour_Red | 10.8516 | 126.976 | 0.085 | 0.932 | -238.016 | 259.720 |
| Creator_colour_Red Purple | 10.8521 | 126.973 | 0.085 | 0.932 | -238.011 | 259.716 |
| Creator_colour_Yellow | 10.3416 | 126.973 | 0.081 | 0.935 | -238.520 | 259.203 |
| Creator_colour_Yellow Orange | 10.3821 | 126.973 | 0.082 | 0.935 | -238.481 | 259.245 |

| V15_rcode=3 | coef | std err | z | P> z | [0.025 | 0.975] |
|------------------------------|----------|----------|--------|-------|-----------|----------|
| const | -2.7746 | 1.031 | -2.690 | 0.007 | -4.796 | -0.753 |
| Creator_colour_Blue Green | 0.2900 | 1.465 | 0.198 | 0.843 | -2.582 | 3.162 |
| Creator_colour_Green | 1.3892 | 1.299 | 1.069 | 0.285 | -1.157 | 3.936 |
| Creator_colour_Green Yellow | 0.9820 | 1.494 | 0.657 | 0.511 | -1.945 | 3.909 |
| Creator_colour_Orange | 0.8292 | 1.279 | 0.649 | 0.517 | -1.677 | 3.335 |
| Creator_colour_Orange Red | -17.3000 | 4767.437 | -0.004 | 0.997 | -9361.305 | 9326.705 |
| Creator_colour_Purple | 1.5710 | 1.223 | 1.284 | 0.199 | -0.827 | 3.969 |
| Creator_colour_Purple Blue | 2.0807 | 1.347 | 1.545 | 0.122 | -0.559 | 4.720 |
| Creator_colour_Red | 1.1650 | 1.505 | 0.774 | 0.439 | -1.784 | 4.114 |
| Creator_colour_Red Purple | 1.1650 | 1.290 | 0.903 | 0.366 | -1.363 | 3.693 |
| Creator_colour_Yellow | 0.2493 | 1.266 | 0.197 | 0.844 | -2.233 | 2.731 |
| Creator_colour_Yellow Orange | 0.0027 | 1.458 | 0.002 | 0.999 | -2.855 | 2.860 |

| V15_rcode=4 | coef | std err | z | P> z | [0.025 | 0.975] |
|------------------------------|----------|----------|--------|-------|-----------|----------|
| const | -12.0060 | 101.119 | -0.119 | 0.905 | -210.196 | 186.184 |
| Creator_colour_Blue Green | 9.5218 | 101.124 | 0.094 | 0.925 | -188.678 | 207.722 |
| Creator_colour_Green | 9.9255 | 101.125 | 0.098 | 0.922 | -188.275 | 208.126 |
| Creator_colour_Green Yellow | -6.3145 | 3883.963 | -0.002 | 0.999 | -7618.742 | 7606.113 |
| Creator_colour_Orange | -9.3831 | 1.18e+04 | -0.001 | 0.999 | -2.31e+04 | 2.31e+04 |
| Creator_colour_Orange Red | 9.5637 | 101.122 | 0.095 | 0.925 | -188.631 | 207.759 |
| Creator_colour_Purple | -7.9113 | 6684.780 | -0.001 | 0.999 | -1.31e+04 | 1.31e+04 |
| Creator_colour_Purple Blue | 10.6184 | 101.125 | 0.105 | 0.916 | -187.583 | 208.820 |
| Creator_colour_Red | -5.5547 | 2910.875 | -0.002 | 0.998 | -5710.764 | 5699.655 |
| Creator_colour_Red Purple | 9.7028 | 101.124 | 0.096 | 0.924 | -188.498 | 207.903 |
| Creator_colour_Yellow | 9.8865 | 101.121 | 0.098 | 0.922 | -188.307 | 208.080 |
| Creator_colour_Yellow Orange | -9.6002 | 1.23e+04 | -0.001 | 0.999 | -2.41e+04 | 2.41e+04 |

| V15_rcode=5 | coef | std err | z | P> z | [0.025 | 0.975] |
|------------------------------|----------|----------|--------|-------|-----------|----------|
| const | -11.9812 | 99.874 | -0.120 | 0.905 | -207.730 | 183.768 |
| Creator_colour_Blue Green | -8.1007 | 6625.712 | -0.001 | 0.999 | -1.3e+04 | 1.3e+04 |
| Creator_colour_Green | 10.5950 | 99.877 | 0.106 | 0.916 | -185.160 | 206.350 |
| Creator_colour_Green Yellow | 10.1891 | 99.880 | 0.102 | 0.919 | -185.571 | 205.950 |
| Creator_colour_Orange | 9.3418 | 99.879 | 0.094 | 0.925 | -186.418 | 205.101 |
| Creator_colour_Orange Red | 8.8463 | 99.879 | 0.089 | 0.929 | -186.913 | 204.606 |
| Creator_colour_Purple | -7.4585 | 5265.076 | -0.001 | 0.999 | -1.03e+04 | 1.03e+04 |
| Creator_colour_Purple Blue | 10.5938 | 99.880 | 0.106 | 0.916 | -185.168 | 206.355 |
| Creator_colour_Red | -5.3252 | 2563.753 | -0.002 | 0.998 | -5030.188 | 5019.538 |
| Creator_colour_Red Purple | -7.6422 | 5770.994 | -0.001 | 0.999 | -1.13e+04 | 1.13e+04 |
| Creator_colour_Yellow | 8.7626 | 99.879 | 0.088 | 0.930 | -186.997 | 204.522 |
| Creator_colour_Yellow Orange | -9.0823 | 9373.032 | -0.001 | 0.999 | -1.84e+04 | 1.84e+04 |

Brand Impact on the Perception of Colours and Archetypes

| | | | | | | |
|---------------------------|----------|----------|-----------|-------|-----------|----------|
| const | -14.3994 | 279.150 | -0.052 | 0.959 | -561.522 | 532.724 |
| Hero_colour_Blue Green | -2.1379 | 2771.641 | -0.001 | 0.999 | -5434.454 | 5430.178 |
| Hero_colour_Green | 11.9147 | 279.151 | 0.043 | 0.966 | -535.212 | 559.042 |
| Hero_colour_Green Yellow | -1.3848 | 2692.740 | -0.001 | 1.000 | -5279.059 | 5276.289 |
| Hero_colour_Orange | -6.4459 | 1.19e+04 | -0.001 | 1.000 | -2.33e+04 | 2.33e+04 |
| Hero_colour_Orange Red | -7.2451 | 1.59e+04 | -0.000 | 1.000 | -3.11e+04 | 3.11e+04 |
| Hero_colour_Purple | -0.5375 | 7.24e+05 | -7.43e-07 | 1.000 | -1.42e+06 | 1.42e+06 |
| Hero_colour_Purple Blue | -4.1477 | 4772.056 | -0.001 | 0.999 | -9357.205 | 9348.910 |
| Hero_colour_Red | 11.6916 | 279.150 | 0.042 | 0.967 | -535.433 | 558.816 |
| Hero_colour_Red Purple | -3.3296 | 4095.445 | -0.001 | 0.999 | -8030.254 | 8023.595 |
| Hero_colour_Yellow | 11.9147 | 279.151 | 0.043 | 0.966 | -535.212 | 559.041 |
| Hero_colour_Yellow Orange | 12.3208 | 279.152 | 0.044 | 0.965 | -534.806 | 559.448 |
| ----- | | | | | | |
| V16_rcode=8 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -2.0389 | 0.614 | -3.319 | 0.001 | -3.243 | -0.835 |
| Hero_colour_Blue Green | -12.3723 | 952.448 | -0.013 | 0.990 | -1879.135 | 1854.391 |
| Hero_colour_Green | 0.2478 | 0.980 | 0.253 | 0.800 | -1.673 | 2.169 |
| Hero_colour_Green Yellow | -11.9059 | 1067.631 | -0.011 | 0.991 | -2104.424 | 2080.613 |
| Hero_colour_Orange | -13.3696 | 784.084 | -0.017 | 0.986 | -1550.145 | 1523.406 |
| Hero_colour_Orange Red | -0.2633 | 1.215 | -0.217 | 0.829 | -2.645 | 2.119 |
| Hero_colour_Purple | -1.8241 | 2879.513 | -0.001 | 0.999 | -5645.566 | 5641.918 |
| Hero_colour_Purple Blue | 0.4303 | 1.256 | 0.343 | 0.732 | -2.031 | 2.891 |
| Hero_colour_Red | 0.3120 | 0.724 | 0.431 | 0.667 | -1.107 | 1.732 |
| Hero_colour_Red Purple | -11.4810 | 498.063 | -0.023 | 0.982 | -987.666 | 964.704 |
| Hero_colour_Yellow | 0.2475 | 0.980 | 0.253 | 0.801 | -1.673 | 2.168 |
| Hero_colour_Yellow Orange | 0.6536 | 1.001 | 0.653 | 0.514 | -1.308 | 2.616 |
| ----- | | | | | | |
| V16_rcode=9 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -2.4433 | 0.737 | -3.313 | 0.001 | -3.889 | -0.998 |
| Hero_colour_Blue Green | 1.7504 | 1.430 | 1.224 | 0.221 | -1.052 | 4.552 |
| Hero_colour_Green | 1.0573 | 0.980 | 1.079 | 0.281 | -0.863 | 2.978 |
| Hero_colour_Green Yellow | -11.6298 | 1138.434 | -0.010 | 0.992 | -2242.919 | 2219.659 |
| Hero_colour_Orange | -12.2790 | 556.352 | -0.022 | 0.982 | -1102.709 | 1078.151 |
| Hero_colour_Orange Red | 0.8331 | 1.070 | 0.779 | 0.436 | -1.263 | 2.930 |
| Hero_colour_Purple | -1.4424 | 2911.880 | -0.000 | 1.000 | -5708.623 | 5705.738 |
| Hero_colour_Purple Blue | -11.5873 | 498.005 | -0.023 | 0.981 | -987.660 | 964.485 |
| Hero_colour_Red | 0.8343 | 0.823 | 1.014 | 0.311 | -0.778 | 2.447 |
| Hero_colour_Red Purple | -10.9675 | 471.649 | -0.023 | 0.981 | -935.382 | 913.447 |
| Hero_colour_Yellow | -14.5222 | 1394.582 | -0.010 | 0.992 | -2747.853 | 2718.808 |
| Hero_colour_Yellow Orange | 1.7509 | 0.959 | 1.827 | 0.068 | -0.128 | 3.630 |
| ----- | | | | | | |
| V16_rcode=10 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -14.1383 | 244.986 | -0.058 | 0.954 | -494.302 | 466.026 |
| Hero_colour_Blue Green | -3.9084 | 5870.313 | -0.001 | 0.999 | -1.15e+04 | 1.15e+04 |
| Hero_colour_Green | 11.6532 | 244.988 | 0.048 | 0.962 | -468.515 | 491.821 |
| Hero_colour_Green Yellow | -2.7050 | 4554.812 | -0.001 | 1.000 | -8929.973 | 8924.563 |
| Hero_colour_Orange | 12.7519 | 244.987 | 0.052 | 0.958 | -467.414 | 492.918 |
| Hero_colour_Orange Red | 11.8352 | 244.988 | 0.048 | 0.961 | -468.333 | 492.003 |
| Hero_colour_Purple | -1.1805 | 8.76e+05 | -1.35e-06 | 1.000 | -1.72e+06 | 1.72e+06 |
| Hero_colour_Purple Blue | -6.9466 | 1.69e+04 | -0.000 | 1.000 | -3.32e+04 | 3.32e+04 |
| Hero_colour_Red | 12.8168 | 244.986 | 0.052 | 0.958 | -467.347 | 492.981 |
| Hero_colour_Red Purple | 13.0397 | 244.989 | 0.053 | 0.958 | -467.129 | 493.209 |
| Hero_colour_Yellow | 13.4454 | 244.987 | 0.055 | 0.956 | -466.719 | 493.610 |
| Hero_colour_Yellow Orange | 12.0594 | 244.988 | 0.049 | 0.961 | -468.109 | 492.228 |
| ===== | | | | | | |

| | | | | | | |
|---------------------------|---------|----------|-----------|-------|-----------|----------|
| Hero_colour_Red | 8.5222 | 37.138 | 0.229 | 0.819 | 64.268 | 81.312 |
| Hero_colour_Red Purple | -1.2897 | 5103.846 | -0.000 | 1.000 | -1e+04 | 1e+04 |
| Hero_colour_Yellow | -4.0380 | 695.341 | -0.006 | 0.995 | -1366.881 | 1358.805 |
| Hero_colour_Yellow Orange | 8.3493 | 37.155 | 0.225 | 0.822 | -64.473 | 81.172 |
| ----- | | | | | | |
| V17_rcode=10 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -8.1393 | 23.749 | -0.343 | 0.732 | -54.687 | 38.409 |
| Hero_colour_Blue Green | -1.8976 | 1.13e+04 | -0.000 | 1.000 | -2.22e+04 | 2.22e+04 |
| Hero_colour_Green | 6.5350 | 23.775 | 0.275 | 0.783 | -40.062 | 53.132 |
| Hero_colour_Green Yellow | -1.1379 | 7076.025 | -0.000 | 1.000 | -1.39e+04 | 1.39e+04 |
| Hero_colour_Orange | 7.4456 | 23.765 | 0.313 | 0.754 | -39.133 | 54.024 |
| Hero_colour_Orange Red | 6.5289 | 23.775 | 0.275 | 0.784 | -40.069 | 53.126 |
| Hero_colour_Purple | -0.5638 | 9979.078 | -5.65e-05 | 1.000 | -1.96e+04 | 1.96e+04 |
| Hero_colour_Purple Blue | -4.5066 | 394.579 | -0.011 | 0.991 | -777.867 | 768.854 |
| Hero_colour_Red | 7.9164 | 23.754 | 0.333 | 0.739 | -38.641 | 54.474 |
| Hero_colour_Red Purple | 14.8921 | 37.697 | 0.395 | 0.693 | -58.992 | 88.776 |
| Hero_colour_Yellow | 9.9448 | 23.774 | 0.418 | 0.676 | -36.652 | 56.541 |
| Hero_colour_Yellow Orange | 7.4526 | 23.781 | 0.313 | 0.754 | -39.157 | 54.062 |
| ----- | | | | | | |
| V17_rcode=11 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -1.1191 | 0.818 | -1.369 | 0.171 | -2.722 | 0.483 |
| Hero_colour_Blue Green | -1.9853 | 362.344 | -0.005 | 0.996 | -712.167 | 708.196 |
| Hero_colour_Green | -0.4819 | 1.365 | -0.353 | 0.724 | -3.157 | 2.194 |
| Hero_colour_Green Yellow | -1.2710 | 236.204 | -0.005 | 0.996 | -464.222 | 461.681 |
| Hero_colour_Orange | -8.9385 | 76.374 | -0.117 | 0.907 | -158.628 | 140.751 |
| Hero_colour_Orange Red | -0.4875 | 1.366 | -0.357 | 0.721 | -3.166 | 2.191 |
| Hero_colour_Purple | -0.6310 | 334.216 | -0.002 | 0.998 | -655.682 | 654.420 |
| Hero_colour_Purple Blue | -8.2988 | 78.424 | -0.106 | 0.916 | -162.007 | 145.409 |
| Hero_colour_Red | -1.1819 | 1.329 | -0.889 | 0.374 | -3.787 | 1.424 |
| Hero_colour_Red Purple | -3.4036 | 282.286 | -0.012 | 0.990 | -556.674 | 549.867 |
| Hero_colour_Yellow | 2.7433 | 1.372 | 1.999 | 0.046 | 0.054 | 5.433 |
| Hero_colour_Yellow Orange | 0.4335 | 1.474 | 0.294 | 0.769 | -2.455 | 3.322 |
| ===== | | | | | | |

Brand Impact on the Perception of Colours and Archetypes

| | | | | | | |
|-----------------------------|---------|----------|--------|-------|-----------|----------|
| Outlaw_colour_Blue Green | 4.5011 | 19.861 | 0.227 | 0.821 | -34.426 | 43.428 |
| Outlaw_colour_Green | 4.2577 | 17.485 | 0.244 | 0.808 | -30.013 | 38.528 |
| Outlaw_colour_Green Yellow | 4.0574 | 15.905 | 0.255 | 0.799 | -27.116 | 35.231 |
| Outlaw_colour_Orange | -9.1339 | 787.680 | -0.012 | 0.991 | -1552.959 | 1534.691 |
| Outlaw_colour_Orange Red | -1.2318 | 1.315 | -0.937 | 0.349 | -3.809 | 1.346 |
| Outlaw_colour_Purple | 1.7725 | 1.526 | 1.161 | 0.246 | -1.219 | 4.764 |
| Outlaw_colour_Purple Blue | 5.1651 | 19.607 | 0.263 | 0.792 | -33.264 | 43.594 |
| Outlaw_colour_Red | 0.7120 | 1.286 | 0.554 | 0.580 | -1.808 | 3.232 |
| Outlaw_colour_Red Purple | -0.7491 | 1.428 | -0.525 | 0.600 | -3.547 | 2.049 |
| Outlaw_colour_Yellow | 0.8523 | 1.545 | 0.552 | 0.581 | -2.175 | 3.880 |
| Outlaw_colour_Yellow Orange | 5.8696 | 17.494 | 0.336 | 0.737 | -28.418 | 40.157 |
| ----- | | | | | | |
| V18_rcode=9 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -6.0010 | 20.490 | -0.293 | 0.770 | -46.161 | 34.159 |
| Outlaw_colour_Blue Green | -0.9137 | 629.075 | -0.001 | 0.999 | -1233.878 | 1232.050 |
| Outlaw_colour_Green | -1.7362 | 834.438 | -0.002 | 0.998 | -1637.205 | 1633.733 |
| Outlaw_colour_Green Yellow | -1.5227 | 681.783 | -0.002 | 0.998 | -1337.794 | 1334.748 |
| Outlaw_colour_Orange | 12.3439 | 26.608 | 0.464 | 0.643 | -39.808 | 64.496 |
| Outlaw_colour_Orange Red | -5.6773 | 173.236 | -0.033 | 0.974 | -345.214 | 333.859 |
| Outlaw_colour_Purple | -4.3206 | 176.484 | -0.024 | 0.980 | -350.223 | 341.581 |
| Outlaw_colour_Purple Blue | -2.0267 | 1083.281 | -0.002 | 0.999 | -2125.218 | 2121.164 |
| Outlaw_colour_Red | 5.6073 | 20.511 | 0.273 | 0.785 | -34.593 | 45.807 |
| Outlaw_colour_Red Purple | 6.0255 | 20.515 | 0.294 | 0.769 | -34.183 | 46.234 |
| Outlaw_colour_Yellow | -3.7583 | 133.663 | -0.028 | 0.978 | -265.733 | 258.216 |
| Outlaw_colour_Yellow Orange | -1.7754 | 852.472 | -0.002 | 0.998 | -1672.590 | 1669.040 |
| ----- | | | | | | |
| V18_rcode=10 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -5.6323 | 17.050 | -0.330 | 0.741 | -39.050 | 27.785 |
| Outlaw_colour_Blue Green | -1.6274 | 747.217 | -0.002 | 0.998 | -1466.146 | 1462.891 |
| Outlaw_colour_Green | -2.9796 | 1291.793 | -0.002 | 0.998 | -2534.848 | 2528.889 |
| Outlaw_colour_Green Yellow | 11.1580 | 23.289 | 0.479 | 0.632 | -34.488 | 56.804 |
| Outlaw_colour_Orange | -3.1367 | 1360.407 | -0.002 | 0.998 | -2669.485 | 2663.212 |
| Outlaw_colour_Orange Red | 4.2485 | 17.087 | 0.249 | 0.804 | -29.241 | 37.738 |
| Outlaw_colour_Purple | 5.6406 | 17.109 | 0.330 | 0.742 | -27.893 | 39.174 |
| Outlaw_colour_Purple Blue | -3.0686 | 1516.567 | -0.002 | 0.998 | -2975.486 | 2969.349 |
| Outlaw_colour_Red | 4.5750 | 17.088 | 0.268 | 0.789 | -28.917 | 38.068 |
| Outlaw_colour_Red Purple | 4.9596 | 17.094 | 0.290 | 0.772 | -28.544 | 38.464 |
| Outlaw_colour_Yellow | -6.4695 | 426.443 | -0.015 | 0.988 | -842.282 | 829.343 |
| Outlaw_colour_Yellow Orange | 11.3543 | 24.419 | 0.465 | 0.642 | -36.505 | 59.214 |
| ----- | | | | | | |
| V18_rcode=11 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -5.5491 | 16.357 | -0.339 | 0.734 | -37.609 | 26.510 |
| Outlaw_colour_Blue Green | -1.3920 | 637.259 | -0.002 | 0.998 | -1250.397 | 1247.613 |
| Outlaw_colour_Green | -2.5321 | 990.776 | -0.003 | 0.998 | -1944.417 | 1939.353 |
| Outlaw_colour_Green Yellow | -2.1278 | 735.830 | -0.003 | 0.998 | -1444.328 | 1440.073 |
| Outlaw_colour_Orange | 11.2206 | 23.584 | 0.476 | 0.634 | -35.003 | 57.444 |
| Outlaw_colour_Orange Red | 4.1423 | 16.396 | 0.253 | 0.801 | -27.994 | 36.278 |
| Outlaw_colour_Purple | -5.4100 | 241.631 | -0.022 | 0.982 | -478.998 | 468.179 |
| Outlaw_colour_Purple Blue | -2.7819 | 1260.482 | -0.002 | 0.998 | -2473.281 | 2467.717 |
| Outlaw_colour_Red | 5.1489 | 16.383 | 0.314 | 0.753 | -26.961 | 37.259 |
| Outlaw_colour_Red Purple | 5.5734 | 16.388 | 0.340 | 0.734 | -26.546 | 37.693 |
| Outlaw_colour_Yellow | 6.2559 | 16.403 | 0.381 | 0.703 | -25.894 | 38.405 |
| Outlaw_colour_Yellow Orange | -2.4117 | 934.619 | -0.003 | 0.998 | -1834.232 | 1829.408 |
| ===== | | | | | | |

| | 0 | 1 | 2 | 3 |
|-------------------------------|---------------|---------------|---------------|-----------|
| const | 1.265418 | -1.885626e+00 | -6.908460e-01 | -0.374164 |
| Explorer_colour_Blue Green | -0.521921 | 1.302383e+00 | 5.129253e-01 | -3.083254 |
| Explorer_colour_Green | 0.805677 | 1.791290e+00 | -1.643555e-01 | 0.265760 |
| Explorer_colour_Green Yellow | 0.088187 | -1.018440e-01 | 4.241047e-01 | -0.559518 |
| Explorer_colour_Orange | -0.818861 | -1.684320e+00 | 1.663451e+00 | -0.545585 |
| Explorer_colour_Orange Red | 0.691323 | 2.422319e+00 | 1.211513e+00 | -1.875394 |
| Explorer_colour_Purple | 0.856865 | 2.339005e-16 | -3.234062e-01 | -0.096161 |
| Explorer_colour_Purple Blue | -3.842545 | -7.771494e-01 | -1.783744e+00 | -1.977303 |
| | 7 | 8 | 9 | |
| const | -2.363228e-01 | -3.770249e-01 | 0.115191 | |
| Explorer_colour_Blue Green | -8.732739e-01 | -2.944766e+00 | -0.202370 | |
| Explorer_colour_Green | -7.554089e-01 | 2.721322e-01 | -1.103912 | |
| Explorer_colour_Green Yellow | -5.811324e-17 | -5.308710e-01 | -0.764282 | |
| Explorer_colour_Orange | -6.922533e-01 | -2.651065e+00 | 0.000298 | |
| Explorer_colour_Orange Red | 7.786470e-01 | 2.213124e-01 | -2.394579 | |
| Explorer_colour_Purple | 3.068402e+00 | 3.214452e+00 | -0.535394 | |
| Explorer_colour_Purple Blue | -2.442441e-16 | -1.842029e+00 | -0.273593 | |
| Explorer_colour_Red | -2.608408e-02 | -1.391102e-02 | -0.126881 | |
| Explorer_colour_Red Purple | -4.927362e-02 | 8.151381e-17 | -0.140945 | |
| Explorer_colour_Yellow | -1.577165e-01 | -2.213191e+00 | -2.875322 | |
| Explorer_colour_Yellow Orange | -2.480665e+00 | 4.807887e-02 | -0.272378 | |

Brand Impact on the Perception of Colours and Archetypes

| | | | | | | |
|------------------------------|----------|----------|--------|-------|-----------|----------|
| const | -1.9396 | 1.068 | -1.815 | 0.069 | -4.034 | 0.154 |
| Creator_colour_Blue Green | 2.7849 | 1.272 | 2.190 | 0.029 | 0.293 | 5.277 |
| Creator_colour_Green | 0.5519 | 1.547 | 0.357 | 0.721 | -2.480 | 3.583 |
| Creator_colour_Green Yellow | -11.2607 | 424.184 | -0.027 | 0.979 | -842.645 | 820.124 |
| Creator_colour_Orange | 1.6514 | 1.197 | 1.379 | 0.168 | -0.695 | 3.998 |
| Creator_colour_Orange Red | -0.0745 | 1.307 | -0.057 | 0.955 | -2.636 | 2.487 |
| Creator_colour_Purple | 2.2266 | 1.313 | 1.696 | 0.090 | -0.347 | 4.800 |
| Creator_colour_Purple Blue | 1.9381 | 1.463 | 1.325 | 0.185 | -0.930 | 4.806 |
| Creator_colour_Red | 8.8894 | 22.872 | 0.389 | 0.698 | -35.939 | 53.718 |
| Creator_colour_Red Purple | 1.6511 | 1.313 | 1.257 | 0.209 | -0.923 | 4.225 |
| Creator_colour_Yellow | 1.6032 | 1.218 | 1.316 | 0.188 | -0.785 | 3.991 |
| Creator_colour_Yellow Orange | 1.6509 | 1.313 | 1.257 | 0.209 | -0.923 | 4.225 |
| ----- | | | | | | |
| V20_rcode=9 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -1.9389 | 1.068 | -1.815 | 0.069 | -4.032 | 0.154 |
| Creator_colour_Blue Green | 0.8373 | 1.573 | 0.532 | 0.595 | -2.246 | 3.920 |
| Creator_colour_Green | -8.3907 | 87.489 | -0.096 | 0.924 | -179.866 | 163.084 |
| Creator_colour_Green Yellow | 0.8388 | 1.573 | 0.533 | 0.594 | -2.244 | 3.922 |
| Creator_colour_Orange | -10.4363 | 172.032 | -0.061 | 0.952 | -347.613 | 326.740 |
| Creator_colour_Orange Red | -13.1733 | 493.838 | -0.027 | 0.979 | -981.078 | 954.732 |
| Creator_colour_Purple | 0.8394 | 1.573 | 0.534 | 0.594 | -2.243 | 3.922 |
| Creator_colour_Purple Blue | 1.2441 | 1.625 | 0.766 | 0.444 | -1.941 | 4.429 |
| Creator_colour_Red | -4.3642 | 534.227 | -0.008 | 0.993 | -1051.430 | 1042.701 |
| Creator_colour_Red Purple | 0.5517 | 1.546 | 0.357 | 0.721 | -2.479 | 3.582 |
| Creator_colour_Yellow | -0.0062 | 1.511 | -0.004 | 0.997 | -2.968 | 2.955 |
| Creator_colour_Yellow Orange | 1.2443 | 1.375 | 0.905 | 0.366 | -1.451 | 3.939 |
| ----- | | | | | | |
| V20_rcode=10 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -1.9390 | 1.068 | -1.815 | 0.069 | -4.032 | 0.154 |
| Creator_colour_Blue Green | 0.8383 | 1.573 | 0.533 | 0.594 | -2.244 | 3.921 |
| Creator_colour_Green | 1.2452 | 1.375 | 0.906 | 0.365 | -1.450 | 3.940 |
| Creator_colour_Green Yellow | 1.5320 | 1.405 | 1.090 | 0.276 | -1.222 | 4.286 |
| Creator_colour_Orange | 0.5520 | 1.329 | 0.415 | 0.678 | -2.052 | 3.157 |
| Creator_colour_Orange Red | -0.7670 | 1.485 | -0.516 | 0.606 | -3.678 | 2.144 |
| Creator_colour_Purple | 0.8393 | 1.573 | 0.534 | 0.594 | -2.244 | 3.922 |
| Creator_colour_Purple Blue | 2.3430 | 1.405 | 1.668 | 0.095 | -0.410 | 5.096 |
| Creator_colour_Red | 8.8889 | 22.872 | 0.389 | 0.698 | -35.939 | 53.717 |
| Creator_colour_Red Purple | 1.6506 | 1.313 | 1.257 | 0.209 | -0.923 | 4.224 |
| Creator_colour_Yellow | 2.0724 | 1.187 | 1.746 | 0.081 | -0.254 | 4.399 |
| Creator_colour_Yellow Orange | 0.5512 | 1.546 | 0.356 | 0.721 | -2.479 | 3.582 |
| ----- | | | | | | |
| V20_rcode=11 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -7.7434 | 18.194 | -0.426 | 0.670 | -43.403 | 27.917 |
| Creator_colour_Blue Green | -8.2678 | 1729.136 | -0.005 | 0.996 | -3397.312 | 3380.776 |
| Creator_colour_Green | -7.9560 | 1282.279 | -0.006 | 0.995 | -2521.176 | 2505.264 |
| Creator_colour_Green Yellow | 6.6432 | 18.231 | 0.364 | 0.716 | -29.089 | 42.375 |
| Creator_colour_Orange | -10.1552 | 2722.608 | -0.004 | 0.997 | -5346.369 | 5326.059 |
| Creator_colour_Orange Red | 6.1340 | 18.205 | 0.337 | 0.736 | -29.548 | 41.815 |
| Creator_colour_Purple | 6.6437 | 18.231 | 0.364 | 0.716 | -29.088 | 42.375 |
| Creator_colour_Purple Blue | 7.0489 | 18.235 | 0.387 | 0.699 | -28.692 | 42.790 |
| Creator_colour_Red | 13.9999 | 29.215 | 0.479 | 0.632 | -43.260 | 71.260 |
| Creator_colour_Red Purple | 6.3565 | 18.229 | 0.349 | 0.727 | -29.371 | 42.084 |
| Creator_colour_Yellow | 7.1836 | 18.205 | 0.395 | 0.693 | -28.498 | 42.865 |
| Creator_colour_Yellow Orange | 7.0490 | 18.215 | 0.387 | 0.699 | -28.651 | 42.749 |
| ===== | | | | | | |

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|----------------------------|----------|----------|--------|-------|-----------|----------|
| const | -2.1213 | 0.611 | -3.471 | 0.001 | -3.319 | -0.924 |
| Ruler_colour_Blue Green | -2.1386 | 2506.876 | -0.001 | 0.999 | -4915.526 | 4911.249 |
| Ruler_colour_Green | -13.6333 | 794.958 | -0.017 | 0.986 | -1571.723 | 1544.457 |
| Ruler_colour_Green Yellow | -11.7766 | 737.245 | -0.016 | 0.987 | -1456.751 | 1433.197 |
| Ruler_colour_Orange | -11.3863 | 605.964 | -0.019 | 0.985 | -1199.054 | 1176.281 |
| Ruler_colour_Orange Red | -14.2046 | 1240.371 | -0.011 | 0.991 | -2445.288 | 2416.878 |
| Ruler_colour_Purple | -13.5238 | 882.513 | -0.015 | 0.988 | -1743.218 | 1716.171 |
| Ruler_colour_Purple Blue | 0.4474 | 0.877 | 0.510 | 0.610 | -1.272 | 2.166 |
| Ruler_colour_Red | -12.9005 | 646.294 | -0.020 | 0.984 | -1279.614 | 1253.813 |
| Ruler_colour_Red Purple | -10.9188 | 678.969 | -0.016 | 0.987 | -1341.674 | 1319.836 |
| Ruler_colour_Yellow | -13.6500 | 1330.091 | -0.010 | 0.992 | -2620.581 | 2593.281 |
| Ruler_colour_Yellow Orange | 2.1283 | 1.542 | 1.380 | 0.168 | -0.894 | 5.150 |

| | 0 | 1 | 2 | 3 |
|----------------------------|------------|------------|------------|------------|
| const | -60.734607 | -0.694760 | -29.240648 | -29.150555 |
| Lover_colour_Blue Green | -8.027744 | -19.738734 | 55.083729 | -13.438483 |
| Lover_colour_Green | -6.150424 | 136.713860 | -30.527178 | -8.761315 |
| Lover_colour_Green Yellow | -19.112406 | -41.677346 | 43.703530 | 42.514941 |
| Lover_colour_Orange | -14.360382 | -59.815876 | 29.239742 | -30.785340 |
| Lover_colour_Orange Red | 80.721702 | -61.526441 | 48.535007 | -47.974527 |
| Lover_colour_Purple | -26.223084 | 15.092338 | 44.736064 | -39.262149 |
| Lover_colour_Purple Blue | -10.411078 | -26.903413 | 51.476672 | 51.385928 |
| Lover_colour_Red | -67.434402 | 0.696464 | 30.628084 | 28.053731 |
| Lover_colour_Red Purple | 61.650145 | 1.099130 | 31.379664 | 30.402288 |
| Lover_colour_Yellow | -22.967291 | -49.755482 | 42.062708 | 40.873910 |
| Lover_colour_Yellow Orange | -14.523312 | -36.819179 | -62.011855 | -25.569112 |

| | 4 | 5 | 6 | 7 |
|----------------------------|------------|------------|------------|------------|
| const | -29.571973 | -31.693209 | -28.370089 | -25.692563 |
| Lover_colour_Blue Green | -32.895058 | 58.229729 | -9.944313 | -11.724022 |
| Lover_colour_Green | -24.904322 | -42.637578 | -6.510747 | -7.322418 |
| Lover_colour_Green Yellow | 42.937243 | 46.156012 | -23.589384 | -27.786983 |
| Lover_colour_Orange | -53.652243 | 32.791094 | -25.099604 | -30.103338 |
| Lover_colour_Orange Red | 49.559261 | 52.086185 | 46.971828 | -44.412485 |
| Lover_colour_Purple | 44.661865 | 47.699809 | -31.209507 | 40.089039 |
| Lover_colour_Purple Blue | 51.808019 | -61.794759 | -13.460233 | -16.482293 |
| Lover_colour_Red | 31.693377 | 34.179280 | 28.882091 | 24.595928 |
| Lover_colour_Red Purple | 32.135944 | 35.188745 | 27.674621 | 25.690759 |
| Lover_colour_Yellow | 41.296294 | 44.515070 | -28.794226 | 37.416313 |
| Lover_colour_Yellow Orange | 46.710601 | 48.831353 | 45.508264 | 42.831021 |

Brand Impact on the Perception of Colours and Archetypes

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|-------------------------------|----------|----------|--------|-------|-----------|----------|
| Magician_colour_Purple Blue | -1.3997 | 1.139 | -1.229 | 0.219 | -3.631 | 0.832 |
| Magician_colour_Red | -0.0217 | 1.633 | -0.013 | 0.989 | -3.222 | 3.178 |
| Magician_colour_Red Purple | -1.1125 | 1.157 | -0.962 | 0.336 | -3.380 | 1.155 |
| Magician_colour_Yellow | -1.1161 | 1.416 | -0.788 | 0.431 | -3.891 | 1.659 |
| Magician_colour_Yellow Orange | -11.6325 | 192.620 | -0.060 | 0.952 | -389.162 | 365.897 |
| ----- | | | | | | |
| V22_rcode=9 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | 0.3046 | 0.767 | 0.397 | 0.691 | -1.198 | 1.807 |
| Magician_colour_Blue Green | 8.0600 | 65.583 | 0.123 | 0.902 | -120.480 | 136.600 |
| Magician_colour_Green | -1.0006 | 1.157 | -0.865 | 0.387 | -3.268 | 1.267 |
| Magician_colour_Green Yellow | -0.3104 | 1.120 | -0.277 | 0.782 | -2.505 | 1.884 |
| Magician_colour_Orange | -1.0018 | 1.445 | -0.693 | 0.488 | -3.833 | 1.830 |
| Magician_colour_Orange Red | -1.0010 | 1.445 | -0.693 | 0.489 | -3.833 | 1.831 |
| Magician_colour_Purple | -0.7760 | 0.866 | -0.896 | 0.370 | -2.474 | 0.922 |
| Magician_colour_Purple Blue | -0.9994 | 0.981 | -1.018 | 0.309 | -2.923 | 0.924 |
| Magician_colour_Red | -0.3129 | 1.607 | -0.195 | 0.846 | -3.462 | 2.837 |
| Magician_colour_Red Purple | -0.7111 | 1.002 | -0.709 | 0.478 | -2.676 | 1.253 |
| Magician_colour_Yellow | -1.4076 | 1.386 | -1.016 | 0.310 | -4.124 | 1.309 |
| Magician_colour_Yellow Orange | -1.4008 | 1.386 | -1.011 | 0.312 | -4.117 | 1.315 |
| ----- | | | | | | |
| V22_rcode=10 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -0.3826 | 0.913 | -0.419 | 0.675 | -2.173 | 1.408 |
| Magician_colour_Blue Green | 10.1361 | 65.579 | 0.155 | 0.877 | -118.397 | 138.669 |
| Magician_colour_Green | -1.0050 | 1.444 | -0.696 | 0.486 | -3.835 | 1.825 |
| Magician_colour_Green Yellow | -0.0260 | 1.291 | -0.020 | 0.984 | -2.555 | 2.503 |
| Magician_colour_Orange | 0.3765 | 1.354 | 0.278 | 0.781 | -2.278 | 3.031 |
| Magician_colour_Orange Red | 0.7873 | 1.291 | 0.610 | 0.542 | -1.743 | 3.317 |
| Magician_colour_Purple | -0.3107 | 1.011 | -0.307 | 0.759 | -2.292 | 1.671 |
| Magician_colour_Purple Blue | -13.4633 | 358.867 | -0.038 | 0.970 | -716.829 | 689.903 |
| Magician_colour_Red | 0.3747 | 1.682 | 0.223 | 0.824 | -2.922 | 3.671 |
| Magician_colour_Red Purple | -0.3113 | 1.155 | -0.270 | 0.788 | -2.575 | 1.953 |
| Magician_colour_Yellow | 0.3792 | 1.225 | 0.310 | 0.757 | -2.021 | 2.780 |
| Magician_colour_Yellow Orange | 0.3846 | 1.225 | 0.314 | 0.754 | -2.017 | 2.786 |
| ----- | | | | | | |
| V22_rcode=11 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | -8.3044 | 36.985 | -0.225 | 0.822 | -80.795 | 64.186 |
| Magician_colour_Blue Green | 16.6712 | 75.289 | 0.221 | 0.825 | -130.893 | 164.235 |
| Magician_colour_Green | 8.0158 | 36.993 | 0.217 | 0.828 | -64.490 | 80.521 |
| Magician_colour_Green Yellow | 7.1999 | 37.003 | 0.195 | 0.846 | -65.326 | 79.725 |
| Magician_colour_Orange | 7.6086 | 37.006 | 0.206 | 0.837 | -64.921 | 80.138 |
| Magician_colour_Orange Red | -7.0937 | 1559.073 | -0.005 | 0.996 | -3062.822 | 3048.634 |
| Magician_colour_Purple | 7.7295 | 36.988 | 0.209 | 0.834 | -64.765 | 80.224 |
| Magician_colour_Purple Blue | 7.3238 | 36.992 | 0.198 | 0.843 | -65.178 | 79.826 |
| Magician_colour_Red | -4.5471 | 616.515 | -0.007 | 0.994 | -1212.895 | 1203.801 |
| Magician_colour_Red Purple | 7.2079 | 36.994 | 0.195 | 0.846 | -65.300 | 79.716 |
| Magician_colour_Yellow | 7.8961 | 36.997 | 0.213 | 0.831 | -64.616 | 80.408 |
| Magician_colour_Yellow Orange | -6.9221 | 1170.472 | -0.006 | 0.995 | -2301.005 | 2287.160 |
| ===== | | | | | | |

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|--------------------------------|----------|---------|--------|-------|----------|---------|
| Caregiver_colour_Green Yellow | -11.1091 | 171.069 | -0.065 | 0.948 | -346.397 | 324.179 |
| Caregiver_colour_Orange | -9.8302 | 191.372 | -0.051 | 0.959 | -384.912 | 365.251 |
| Caregiver_colour_Orange Red | 0.4584 | 1.521 | 0.301 | 0.763 | -2.523 | 3.440 |
| Caregiver_colour_Purple | -9.8015 | 168.751 | -0.058 | 0.954 | -340.547 | 320.944 |
| Caregiver_colour_Purple Blue | 0.1161 | 1.503 | 0.077 | 0.938 | -2.830 | 3.062 |
| Caregiver_colour_Red | -10.1321 | 222.605 | -0.046 | 0.964 | -446.430 | 426.166 |
| Caregiver_colour_Red Purple | 0.7655 | 1.241 | 0.617 | 0.537 | -1.666 | 3.197 |
| Caregiver_colour_Yellow | -0.2378 | 1.488 | -0.160 | 0.873 | -3.155 | 2.679 |
| Caregiver_colour_Yellow Orange | 0.2722 | 1.303 | 0.209 | 0.835 | -2.282 | 2.827 |

| V24_rcode=9 | coef | std err | z | P> z | [0.025 | 0.975] |
|--------------------------------|----------|---------|--------|-------|----------|---------|
| const | -2.0686 | 1.057 | -1.956 | 0.050 | -4.141 | 0.004 |
| Caregiver_colour_Blue Green | -11.5839 | 184.344 | -0.063 | 0.950 | -372.891 | 349.723 |
| Caregiver_colour_Green | -11.4650 | 250.651 | -0.046 | 0.964 | -502.733 | 479.803 |
| Caregiver_colour_Green Yellow | -11.3653 | 194.783 | -0.058 | 0.953 | -393.133 | 370.402 |
| Caregiver_colour_Orange | 0.6805 | 1.539 | 0.442 | 0.658 | -2.336 | 3.697 |
| Caregiver_colour_Orange Red | 0.4614 | 1.522 | 0.303 | 0.762 | -2.522 | 3.445 |
| Caregiver_colour_Purple | -11.1975 | 339.712 | -0.033 | 0.974 | -677.021 | 654.626 |
| Caregiver_colour_Purple Blue | -11.4442 | 324.681 | -0.035 | 0.972 | -647.807 | 624.918 |
| Caregiver_colour_Red | -11.6483 | 475.880 | -0.024 | 0.980 | -944.356 | 921.059 |
| Caregiver_colour_Red Purple | 0.3621 | 1.308 | 0.277 | 0.782 | -2.201 | 2.925 |
| Caregiver_colour_Yellow | -11.3428 | 258.377 | -0.044 | 0.965 | -517.752 | 495.067 |
| Caregiver_colour_Yellow Orange | 0.2755 | 1.305 | 0.211 | 0.833 | -2.282 | 2.832 |

| | | | | | | |
|---------------------------|---------|----------|--------|-------|-----------|----------|
| const | 2.5004 | 1.048 | 2.386 | 0.017 | 4.555 | 0.446 |
| Sage_colour_Blue Green | 1.4005 | 1.329 | 1.054 | 0.292 | -1.204 | 4.005 |
| Sage_colour_Green | 2.7883 | 1.179 | 2.365 | 0.018 | 0.477 | 5.099 |
| Sage_colour_Green Yellow | 3.1916 | 1.611 | 1.981 | 0.048 | 0.034 | 6.349 |
| Sage_colour_Orange | -4.3558 | 1586.264 | -0.003 | 0.998 | -3113.377 | 3104.665 |
| Sage_colour_Orange Red | 11.0462 | 71.747 | 0.154 | 0.878 | -129.575 | 151.668 |
| Sage_colour_Purple | 1.4073 | 1.558 | 0.903 | 0.366 | -1.647 | 4.461 |
| Sage_colour_Purple Blue | 1.1124 | 1.313 | 0.847 | 0.397 | -1.461 | 3.686 |
| Sage_colour_Red | 15.6534 | 718.017 | 0.022 | 0.983 | -1391.634 | 1422.941 |
| Sage_colour_Red Purple | -1.6110 | 1729.997 | -0.001 | 0.999 | -3392.342 | 3389.120 |
| Sage_colour_Yellow | 1.4070 | 1.559 | 0.902 | 0.367 | -1.649 | 4.463 |
| Sage_colour_Yellow Orange | 1.5875 | 1.341 | 1.184 | 0.236 | -1.040 | 4.216 |

Brand Impact on the Perception of Colours and Archetypes

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|-----------------------------|----------|----------|-----------|-------|-----------|----------|
| const | 1.5486 | 1345.572 | 0.001 | 0.999 | -2635.725 | 2638.822 |
| Jester_colour_Blue Green | 10.9500 | 1394.464 | 0.008 | 0.994 | -2722.150 | 2744.050 |
| Jester_colour_Green | -2.2584 | 3.78e+06 | -5.97e-07 | 1.000 | -7.41e+06 | 7.41e+06 |
| Jester_colour_Green Yellow | 9.1446 | 1351.021 | 0.007 | 0.995 | -2638.807 | 2657.096 |
| Jester_colour_Orange | 11.2150 | 1367.033 | 0.008 | 0.993 | -2668.120 | 2690.550 |
| Jester_colour_Orange Red | 15.1579 | 3288.517 | 0.005 | 0.996 | -6430.218 | 6460.534 |
| Jester_colour_Purple | 17.0881 | 1.12e+04 | 0.002 | 0.999 | -2.2e+04 | 2.2e+04 |
| Jester_colour_Purple Blue | -9.8624 | 1.9e+05 | -5.19e-05 | 1.000 | -3.72e+05 | 3.72e+05 |
| Jester_colour_Red | -5.5367 | 9.15e+06 | -6.05e-07 | 1.000 | -1.79e+07 | 1.79e+07 |
| Jester_colour_Red Purple | -15.7751 | 2.69e+05 | -5.87e-05 | 1.000 | -5.27e+05 | 5.27e+05 |
| Jester_colour_Yellow | -0.0442 | 1345.572 | -3.28e-05 | 1.000 | -2637.318 | 2637.229 |
| Jester_colour_Yellow Orange | 0.5261 | 1345.573 | 0.000 | 1.000 | -2636.748 | 2637.800 |
| ----- | | | | | | |
| V25_rcode=9 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | 2.9404 | 1253.840 | 0.002 | 0.998 | -2454.540 | 2460.421 |
| Jester_colour_Blue Green | 8.8652 | 1306.170 | 0.007 | 0.995 | -2551.181 | 2568.911 |
| Jester_colour_Green | -1.2395 | 2.18e+06 | -5.68e-07 | 1.000 | -4.27e+06 | 4.27e+06 |
| Jester_colour_Green Yellow | 6.6543 | 1259.685 | 0.005 | 0.996 | -2462.283 | 2475.591 |
| Jester_colour_Orange | 8.0316 | 1276.843 | 0.006 | 0.995 | -2494.535 | 2510.598 |
| Jester_colour_Orange Red | 13.0725 | 3252.060 | 0.004 | 0.997 | -6360.848 | 6386.994 |
| Jester_colour_Purple | -6.4453 | 6.53e+04 | -9.88e-05 | 1.000 | -1.28e+05 | 1.28e+05 |
| Jester_colour_Purple Blue | -7.4164 | 2.81e+04 | -0.000 | 1.000 | -5.5e+04 | 5.5e+04 |
| Jester_colour_Red | 25.1352 | 1.28e+06 | 1.96e-05 | 1.000 | -2.51e+06 | 2.51e+06 |
| Jester_colour_Red Purple | 7.8317 | 1272.704 | 0.006 | 0.995 | -2486.623 | 2502.286 |
| Jester_colour_Yellow | -3.6331 | 1253.840 | -0.003 | 0.998 | -2461.114 | 2453.848 |
| Jester_colour_Yellow Orange | -2.9459 | 1253.840 | -0.002 | 0.998 | -2460.428 | 2454.536 |
| ----- | | | | | | |
| V25_rcode=10 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | 14.9079 | 1221.968 | 0.012 | 0.990 | -2380.106 | 2409.922 |
| Jester_colour_Blue Green | -2.4090 | 1275.607 | -0.002 | 0.998 | -2502.552 | 2497.734 |
| Jester_colour_Green | 14.4025 | 1.98e+06 | 7.27e-06 | 1.000 | -3.88e+06 | 3.88e+06 |
| Jester_colour_Green Yellow | -2.9150 | 1227.965 | -0.002 | 0.998 | -2409.682 | 2403.852 |
| Jester_colour_Orange | -1.1634 | 1245.560 | -0.001 | 0.999 | -2442.416 | 2440.090 |
| Jester_colour_Orange Red | 2.4917 | 3239.906 | 0.001 | 0.999 | -6347.607 | 6352.590 |
| Jester_colour_Purple | 4.8278 | 1.12e+04 | 0.000 | 1.000 | -2.2e+04 | 2.2e+04 |
| Jester_colour_Purple Blue | 1.0871 | 3214.356 | 0.000 | 1.000 | -6298.936 | 6301.110 |
| Jester_colour_Red | -12.0405 | 1.32e+06 | -9.15e-06 | 1.000 | -2.58e+06 | 2.58e+06 |
| Jester_colour_Red Purple | -2.7497 | 1241.317 | -0.002 | 0.998 | -2435.686 | 2430.187 |
| Jester_colour_Yellow | -12.1507 | 1221.968 | -0.010 | 0.992 | -2407.165 | 2382.863 |
| Jester_colour_Yellow Orange | -12.5147 | 1221.969 | -0.010 | 0.992 | -2407.530 | 2382.500 |
| ----- | | | | | | |
| V25_rcode=11 | coef | std err | z | P> z | [0.025 | 0.975] |
| ----- | | | | | | |
| const | 14.2221 | 1221.969 | 0.012 | 0.991 | -2380.792 | 2409.236 |
| Jester_colour_Blue Green | -1.7248 | 1275.607 | -0.001 | 0.999 | -2501.868 | 2498.419 |
| Jester_colour_Green | -2.3847 | 1.98e+06 | -1.2e-06 | 1.000 | -3.88e+06 | 3.88e+06 |
| Jester_colour_Green Yellow | -17.6305 | 1397.077 | -0.013 | 0.990 | -2755.851 | 2720.590 |
| Jester_colour_Orange | -1.8641 | 1245.560 | -0.001 | 0.999 | -2443.118 | 2439.389 |
| Jester_colour_Orange Red | 1.7900 | 3239.906 | 0.001 | 1.000 | -6348.309 | 6351.889 |
| Jester_colour_Purple | -9.8810 | 1.13e+04 | -0.001 | 0.999 | -2.21e+04 | 2.21e+04 |
| Jester_colour_Purple Blue | -10.9359 | 3265.367 | -0.003 | 0.997 | -6410.937 | 6389.066 |
| Jester_colour_Red | 14.5460 | 1.28e+06 | 1.13e-05 | 1.000 | -2.51e+06 | 2.51e+06 |
| Jester_colour_Red Purple | -3.4506 | 1241.318 | -0.003 | 0.998 | -2436.388 | 2429.487 |
| Jester_colour_Yellow | -13.1230 | 1221.969 | -0.011 | 0.991 | -2408.138 | 2381.892 |
| Jester_colour_Yellow Orange | -12.8403 | 1221.969 | -0.011 | 0.992 | -2407.856 | 2382.175 |
| ===== | | | | | | |