

THE DESIGNER'S GUIDE TO USING

ADVANCED COLOUR THEORY CAN BE USED TO BOOST BRANDS, INFLUENCE



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SPECIAL REPORT MAY 2017





COLOUR EXPERTS



KAREN HALLER

An internationally renowned applied colour psychology mentor and trainer, Karen consults, trains and heads campaigns for various prestigious global brands. She's a contributing author of leading industry title Colour Design: Theories and Applications, and her first book on colour is due out this year. www.colour-training.com



ANGELA WRIGHT

A world authority on the unconscious effects of colour, Angela has applied her Colour Affects System to everything from branding to product design. She's consulted for major international firms, government institutions and design consultancies, and is also the author of The Beginner's Guide to Colour Psychology. www.colour-affects.co.uk

olour sells. Whether you're working with a product, service or space, the 'right' combinations of colours can influence how someone feels, thinks and behaves - with powerful results. According to a study by the Loyola University Maryland, colour is registered by the brain before either images or typography. The same study found that colour can increase brand recognition by up to 80 per cent. So why, then, is brand colour so often dictated by the personal preferences of a client or committee? What are the 'right' combinations, and how can designers sidestep subjective debates to harness the power of colour more effectively in branding projects?

When it comes to harmonious colour combinations, it helps to know the basics - so first, a quick refresher. Traditional colour theory is based around the colour wheel, which dates back to 1666, when Sir Isaac Newton discovered the visible spectrum of light. The most common version (right) features 12 colours, based on the RYB colour model: three primary colours (red, yellow and blue), three secondary colours (green, orange and purple – each a mixture of two primary colours) and six tertiary colours (a mixture of primary and secondary colours).

Using the colour wheel, there are six fundamental techniques for creating a pleasing harmony. An analogous colour scheme involves any three colours that are next to each other on the wheel. Usually, one colour dominates, while the second supports and the third is used as an accent. Complementary colours sit opposite each other – red and green, for example. They create maximum contrast for a vibrant look, but the scheme can jar if you don't implement it carefully. A triadic scheme features three

evenly spaced colours (such as orange, green and purple), normally with one dominant colour and two accents; while a split-complementary colour scheme features one base colour and the two analogous colours sat on either side of its complement. The richest of the harmonies is the tetradic scheme – two complementary colour pairs, arranged either in a rectangle or square on the wheel – but the colours can be tricky to harmonise and it requires a dominant colour in order to balance the others.

THEORY IN PRACTICE

That's the basics covered, but what does this mean in practice? How relevant, really, is traditional colour theory for designers when it comes to branding?

According to Jonny
Naismith, creative lead at Moving Brands New York, colour theory can provide a useful starting point when deciding the palette for a new branding project, but there a lot of other factors involved too. "For us,

these types of relationships can help generate ideas – particularly when extending out from a core, identifiable colour," he says. "However, in the early stages of projects, we're often looking for varied points of reference. In a saturated market, it's becoming harder to truly 'own' a colour, so we try to employ far-flung points of references to help surprise or create something memorable and unexpected. This could come from working with real materials, spending time photographing subjects or browsing the local bookshop."

Moving Brands' designers also employ a number of tools during the exploration process, he adds, including Adobe's colour scheme generator, Kuler; Pantone's Studio app, which converts photography into a selection of swatches; and a tool called Colorable, to ensure

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PROJECT FOCUS #1



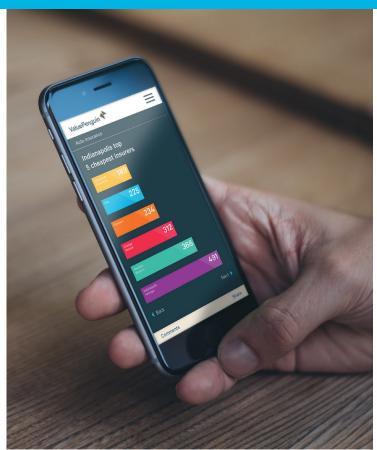
by Moving Brands

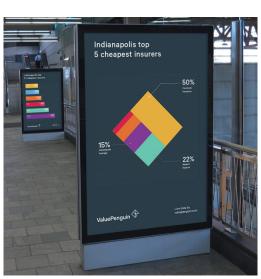


As with all its branding projects,
Moving Brands approached the identity
as a system from the outset, putting
elements together to create something
recognisable and familiar, but with the
ability to flex to multiple audiences and
contexts. "We identify and design the
highest impact applications," explains
Jonny Naismith, creative lead at Moving
Brands New York. "This requires thinking
beyond expected applications like
corporate stationery to key moments
that will be experienced by employees,
customers, investors and so on."

Moving Brands also looked at the competitive landscape surrounding ValuePenguin. This helped move the conversation beyond initial expressions of like or dislike, and into a rational discussion around existing colour palettes and trends in the financial world. "It also helped identify potential design opportunities beyond colour for the branding," he adds.

When it comes to nailing a colour palette, Naismith recommends thinking of the project as a whole from the outset, rather than just looking at a selection of swatches. "This helps people quickly understand the usage, as much as the values themselves. Alongside a strong set of applications, it allows people to stand back and judge a system holistically," he explains.





Moving Brands combined a vibrant secondary palette with ValuePenguin's neutral primary palette to create a sophisticated, memorable scheme that works across all touchpoints, from mobile devices to billboards.

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PROJECT FOCUS #2

ST CATHERINE'S HOSPICE

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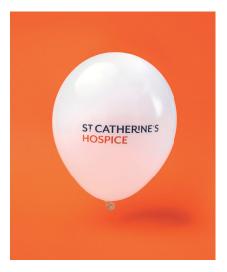
■ Briefed to help raise awareness of pioneering work, boost fundraising and change the way people behave around end of life care, SomeOne worked closely with St Catherine's Hospice. "We knew we needed to go against the category norm," says partner Laura Hussey. "Dull blues and uninspiring polite tones are the go-to colours in this sector, to reassure against traditional notions of hospices as sad places. We understood fundraising was important to the client, so it can continue its work, therefore we needed the brand to feel lively and expressive. We chose bright optimistic systems to achieve this."

by SomeOne

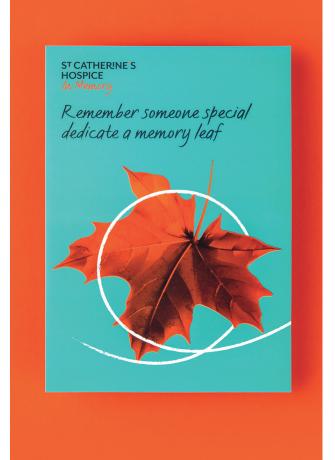
How did the team know the colours would work? Hussey outlines five steps to avoid 'rainbowageddon'. "One: start with the competitive sector — what's the norm? Two: find the gaps. Three: avoid following the crowd with your primary selection; add a black-and-white analogue. Four: use brights to attract attention and neutrals to calm things down. Five: refine based on initial response, and check accessibility."

She continues: "It's important to remember that colour, however emotive, is still only one element of the overall operating system of a brand. It should be in harmony with its component parts, such as typography, tone of voice and photography. It's never just a single consideration. But it is a potent one."





SomeOne applied a lively, optimistic colour palette to the branding for St Catherine's Hospice, in order to amplify the charity's voice and achieve market standout.



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colour combinations are in line with Web Content Accessibility Guidelines (WCAG).

Interbrand's executive creative director Sue Daun agrees that colour theory is useful, but says that it doesn't play a formal part in the global brand agency's creative process. "Whilst many of these systems are intuitively used, it's more about the need of the brand and the attitude we're trying to convey - as opposed to following a system rigidly," she explains.

Daun says that there isn't a fixed formula at the brand firm for considering colour, because every job – and brand – is different. "Clients commission work for different reasons, whether that's growth, new directions, new audiences, redefined purpose or simply modernisation,"

starts with the same key questions asked during the wider branding process: what does the brand want to stand for? And how does it want any touchpoint across its brand journey to deliver that experience? Siegel+Gale's designers work closely with strategists to answer these questions, rapidly prototyping holistic brand ideas and core thoughts, and beta-testing brand ideas to ensure concepts work in the real world. "These are early messaging ideas, communications opportunities and experiential concepts," explains Steven Owen, executive creative director (EMEA) at Siegel+Gale. "As we build these, we explore how they come to life: the visual language they may adopt; the tone of voice they might consider. Colour exploration is a vital part of this process.

PRO TIP#1 **UNDERSTAND COLOUR PSYCHOLOGY**

It's essential to know the difference between colour symbolism, personal preference and colour psychology. While the first two are conscious associations that we're conditioned to make, colour psychology works on a subconscious level and can be used with accuracy to strengthen the message of a brand.

"COLOUR EXPLORATION IS A VITAL PART

OF OUR PROCESS... EACH IDEA MIGHT USE

COLOUR IN A DIFFERENT WAY" STEVEN OWEN, SIEGEL-GALE

she reasons, explaining that Interbrand aims to unpack the brands it works on, and reframe them with purpose. "Every design element is considered with the same intensity, because in combination, they form a graphic equalizer to convey just the right level of distinction, relevance and authenticity for the brand's new face."

However, just because Interbrand doesn't have a set formula for working with colour, doesn't mean there isn't a process for arriving at the perfect palette. "Very early on we ideate around the brand personality, and this builds an initial hypothesis in the minds of the designers," Daun explains. "The development process is then about defining not just the core colours, but the proportions used, the way they are used or what they are used for. Every decision focuses the final story to one of clarity and cohesion."

Global brand strategy firm Siegel+Gale takes a similar approach. Finding the right colour palette Each brand idea should have a different tone or personality, and subsequently, each route might use colour in a different way."

Exactly how specific colours are chosen, however, is more arbitrary: "It's a bit like asking how Siegel+Gale take their showers in the morning," Owen laughs. "I'm sure we all have different methods and orders in which we wash the parts of our bodies, but the important point is: we all come to work clean."

COLOUR WHEEL SHORTFALLS

One reason why colour theory, in traditional form, might not be so helpful to the branding process, is it was originally designed for artists and painters, and lacks the psychological and behavioural insights required for creating a brand that connects. That's according to Karen Haller, a leading authority in the field of applied colour psychology. "There's so much more to colour

PRO TIP#2 **DON'T MIX UP TONAL GROUPS**

Angela Wright's Colour Affects System categorises all colours into four tonal groups, which correlate with four basic personality types. "If you get your colours from any one of the four groups, you will communicate all the messages and characteristics of that type," says Wright [see page 50]. "The innate harmony in each group makes the message very clear to everybody. If you mix groups, though, it doesn't work."

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HOW TO PICK THE

PRO TIP #3 BRIGHT ISN'T ALWAYS THE ANSWER

"For The Children's Society's rebrand. we took them away from a bright palette of purples and pinks, to black and white," says SomeOne's Laura Hussey. "The new identity is bold and impactful, creating a visual language that stems directly from the core thought of 'hard truths' that the organisation exposes and addresses."

In the colour wheel," she says. "To really understand how to use colour to its full effect, you need to include the psychology of colour: how it influences us on a mental, physical and emotional level," she explains.

Haller warns there's a lot of pop psychology around. "Many people get colour psychology, colour symbolism, and their personal colour association all mixed up together, which is why it's easy to dismiss colour as being subjective," she explains. "But they are three different things – and it's important to understand why."

Colour symbolism refers to the use of colour in culture, and the conscious associations we're conditioned to make. In China, for example, red can symbolise good luck, while white often

to Haller, these reactions aren't as subjective as might be believed. Individual interpretations of a colour can vary (you might see a certain red as exciting; another person might see it as aggressive), but when psychology is combined with the study of tonal colour groups, reactions can be predicted with surprising accuracy.

Haller isn't the only one to take this line. In the '80s, colour psychologist Angela Wright identified links between patterns of colour and patterns of human behaviour. She found that all colours can be classified into one of four tonal groups, and that mathematical relationships underpin the shades and tones within each group: in other words, Wright actually proved objective colour harmony.

"TO REALLY UNDERSTAND HOW TO USE

COLOUR TO ITS FULL EFFECT, YOU NEED

THE PSYCHOLOGY OF COLOUR" KAREN HALLER, COLOUR EXPERT

PRO TIP #4 UNDERSTAND CONTEXT

Before starting the colour selection process, make sure you know your client inside out. "Always bear in mind your client's context, their objectives and the competitive landscape," advises Jonny Naismith, creative lead at Moving Brands. "Identify what role colour is playing, and explain it clearly and with conviction."

represents death. In Muslim countries, there are certain products that aren't designed in green because it represents the prophet Muhammad, but some Islamic banks might use this colour in their logos in order to convey trust.

Personal colour association, meanwhile, relates to the memories or experiences of an individual. "You might like terracotta because you were in Tuscany," says Haller, "or a certain red because it reminds you of your favourite bike as a child." If a client has ever said your colour scheme looks like their daughter's bedroom – which has happened to Naismith at Moving Brands – or you've watched a meeting descend into endless debate, you'll know the hurdles that personal colour association can bring into the branding process.

But some of these can be avoided. Unlike the previous two definitions, colour psychology relates to the subconscious way colour can affect how we think, feel and behave. And according Wright went on to develop the Colour Affects System [see page 50], which identifies links between the four colour groups and four basic personality types, based on original research involving Aristotle, Newton and German writer Johann Wolfgang von Goethe. Crucially, Wright found that colour schemes drawn from a single group always harmonise, no matter which personality type is interpreting them; while schemes that mix groups create disharmony. In addition, each personality type has a natural affinity with one colour family, meaning that people react even more positively to palettes crafted from 'their' colours.

Theoretically, then, if designers can establish which psychological colour family best conveys a brand's message, it's possible to create a colour palette that truly engages its audience – as long as every hue used in all brand communication is drawn from that same group. "There are

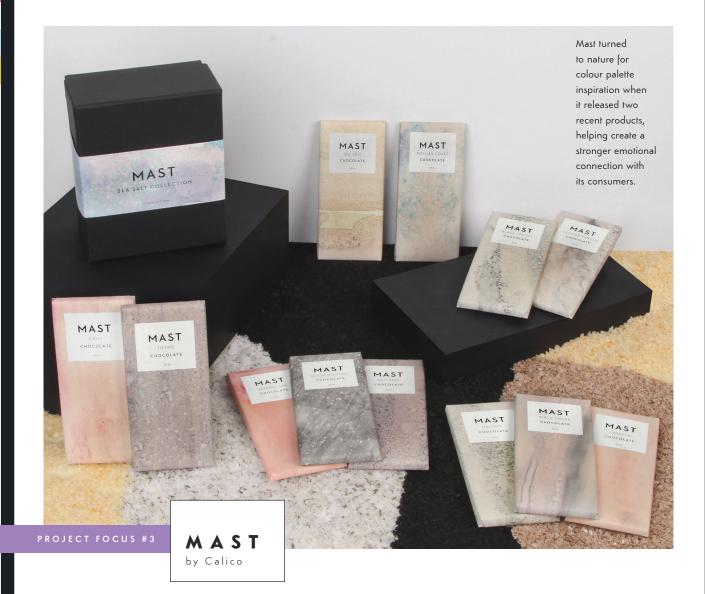
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■ When cleverly applied, colour trends can be evoked to strengthen a brand. In Viewpoint Colour magazine - a collaboration between the Pantone Color Institute and trend forecasting agency FranklinTill - artisan chocolate maker Mast is recognised for tapping into the 'neo nature' trend.

lacktriangle

"The redefinition of nature and the natural world is influencing new processes and future colour stories," explains Laurie Pressman, vice president of the Pantone Color Institute. She says that material resources will be mined from man-made mineral

and plastic composites, and that colour palettes of cool greys and blues alongside deep mineral blacks and chalky greys reflect this future.

Mast worked with wallpaper company Calico to incorporate this colour story into its Black Diamond and Sicilian Coast Sea Salt collection packaging. "Today's consumers want to build an emotional relationship with those brands they purchase from," says Pressman. "This visual is completely cohesive with the brand position as a craft chocolate maker, and the target audience."

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■ Colour can be one of the hardest elements to change if a brand is evolving, especially when it has already established ownership. In these situations, the solution may instead involve enlivening the existing palette – as was the case when Interbrand was briefed to help Siemens return to the spotlight with a new identity and bolder approach.

"In line with a new strategic platform that included proposition and experience principles, the Siemens expression brand toolkit was evolved," recalls executive creative director Sue Daun. "Colour was a key attribute.

Research told us that the Siemens Petrol colour was positive in terms of recognition and differentiation from its competitors. The new approach needed a more dynamic and adaptive expression that built on the experience principles: real, connected, responsive and impactful."

The existing brand colour was activated as a dynamic gradient, creating a vibrant, progressive asset. "This new colour conveys a sense of the brand always being 'on'," says Daun. "The new petrol is the hero colour in a refreshed Siemens palette, creating a distinctive brand expression."



Interbrand used a gradient to liven up Siemen's colours.



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■ millions wasted by companies struggling with subjective, endless expensive debates about colour, and it's usually decided on the basis of rank," says Wright. "But objective colour harmony is underpinned by mathematics. If you stick within the groups, everyone can understand the message," she explains.

BREAKING DOWN BRANDS

So how do you get to a final colour scheme? As with any branding project, it's about asking the right questions to get to the core of the brand. For Laurie Pressman, vice president of the Pantone Color Institute, these include: what does your brand stand for? What message do you want to convey, and how can colour help you tell

based brand tool to test colour compliance," says partner Laura Hussey. "Branding's never finished, so we embed this in guidelines. As it adapts and changes, so does the colour system."

The other key aspect to choosing the right colour scheme is knowing how colours work with each other. "There are thousands of greens," points out Haller. "You have to understand what every tone of every colour means, in the context of how you're using it. Then, if you really tap into who the brand is - if you know its story and authentic personality - the colours to use will be clear. Who a brand is will dictate which colours, tones, combinations and proportions to use to convey - on a subconscious level - what the words are saying on a conscious level."

PRO TIP #5 **THINK OF THE END USER**

"It's easy to design only for the client, giving them a palette they feel comfortable with, but we're now living in a B2Me world where even the most corporate organisations are having to connect with individuals through social media and other direct channels," says Siegel+Gale's Steve Owen. "'Ownability', ease of navigation, and communicating the correct emotion and personality are vital. Select your colours from their eyes."

"WHO A BRAND IS WILL DICTATE WHICH

COLOURS, TONES, COMBINATIONS AND

PROPORTIONS TO USE" KAREN HALLER, COLOUR EXPERT

the story? Who is the consumer? And if you're targeting a global audience, will local cultural meanings be ascribed to the colours used - does the palette need to be modified to reflect this?

She adds that it's key to look at what it is about the brand - including colour - that will prompt a 'buy' response in the targeted consumer, and to know where colour trends fit in. "Ask whether you should use a more unusual colour story," she says. "Will the colours separate you from your competition? It's important to be unique."

"We often look at the competitive landscape," agrees Naismith. "This helps to identify potential gaps or opportunities beyond colour."

London-based SomeOne, too, surveys the competitive sector to establish the norm and find the gaps. To test its schemes, the studio starts by visualising applications, before doing print tests, and then accessibility and usability tests for digital projects. "We've built a bespoke cloud-

Whatever you do, she warns, don't confuse standing out in the market with shouting. "For a long time, to make a brand stand out, designers have been using really bright colours, but it's the equivalent of shouting. All of a sudden everyone was using magenta pink, it was like: 'Hello, look at me!' You might stand out, but is that colour actually saying what your brand is about? You must be giving the right message."

The key, as always, is to be authentic. "People have an emotional connection with colour first. Then we take in the shapes, the logo, and we read the words," says Haller. "If we sense a mismatch, it's the colour we don't believe, despite the beautifully crafted words."



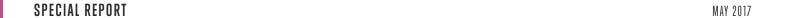
HOW TO THRIVE AS AN ILLUSTRATOR

Illustrator Daniel Stolle shares the lessons he's learnt after hundreds of briefs from the likes of Wired. Esquire and the Guardian.

PRO TIP#6 **DOES THE BRAND HAVE AN OWNABLE COLOUR?**

"We're moving into a period where colour is becoming singleminded, particularly in the digital space," adds Owen. "There is only a finite amount of ownable colours, so one of the biggest initial considerations is: does the brand have an ownable colour? If not, where on the colour spectrum could be ownable territory?"

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PRO INSIGHT

THE COLOUR AFFECTS SYSTEM IN ACTION

POWERFULLY BOOST A BRAND'S PERFORMANCE
USING ANGELA WRIGHT'S FOUR-GROUP SYSTEM





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BP uses group 1 colours; Bedding firm Dreams uses group 2 colours; McDonald's corporate colours are mainly group 3, while Texaco uses a group 4 palette. ccording to the Wright Theory, the psychological effects of colour are near-universal. If harnessed correctly, designers can control the message of their colour palettes and, crucially, kill subjective debate around colour with evidence to back up their decisions. Here's how it works...

Every shade, tone or tint on the colour spectrum can be classified into one of four colour groups, based on how warm or cool it is. All the colours within each group correlate mathematically and naturally harmonise, while colours combined from different families don't.

There are also four basic personality types – ranging between extrovert and introvert – and each type has a natural affinity with one colour group. Universally, everyone will find a palette chosen with colours from the same group harmonious, but they'll find a palette drawn from their personality type's corresponding colour group even more attractive.

"Music and colour work in much the same way," explains colour psychologist Angela Wright, who developed the Colour Affects System from her findings using the Wright Theory. She's provided colour palettes for clients ranging from Shell International Petroleum Company and Procter & Gamble to BT, Unilever, and more. "One musical note has its own properties, but it doesn't do much until you put it with other notes. There are no wrong notes, and there are no wrong colours, either. It's how you use them. If you put them together in harmony, they produce a positive response. But it only takes one bum note to throw the whole thing out."

Currently, Wright is working on a digital version of the Colour Affects System, which will be launching at the end of this year. The software enables users to select their starting colour – the dominant logo colour, for instance – and then classifies it into one of the four groups, removing all colours from the other three groups. Users are left with a huge, harmonious selection from which to then develop a brand's colour palette.

"You pick the subsequent colours for your branding scheme in the same way as you do now," Wright explains. "You've got a large framework – there are millions of colours to choose from – except there are no bum notes, because there are mathematical correlations that underpin each colour," she adds.

HOW EFFECTIVE IS THE COLOUR AFFECTS SYSTEM?

A few years ago, Wright was asked by a mail order company to adjust the colours of a leaflet selling an opera CD. "The in-house design team had created a leaflet and they wanted me to tweak the colours into harmony," she recalls. "The ones they'd used were okay – quite familiar – but they're weren't right, either psychologically or harmoniously."

Wright adapted the colours so that the chosen palette came from the same tonal family. "They sent out two identical mail shots, and they sold 560,000 more CDs with the tweaked leaflet than the original," she says. "And all I did was tweak the harmony after it had been designed – I didn't specify the colours used in the first place." It seems the right colours do sell.

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GROUP 1

TYPE 1 PERSONALITY

Group 1 colours are clear, delicate and warm, and contain yellow, but no black. Examples include soft cream, turquoise and cobalt. "They're lively, sharp, fresh, clean and youthful – all about new beginnings," says Wright.

"It's very common to use them in the branding of things like children's toys, PR, sales, sport, and fun sectors of anything." However, if misused, these colours can be perceived as frivolous and immature.

Personalities that reflect these colours are "externally motivated and eternally youthful". Light on their feet, these people love to dance and are clever, but don't like being bogged down with academic debate.



GROUP 3

TYPE 3 PERSONALITY

Group 3 colours are warmer than group 1 (they contain more yellow-based hues), are intense and fiery, and they contain black. Examples include olive green, burnt orange and aubergine. "They're quite flamboyant and unusual; you don't get many primaries in there," says Wright. "And the personalities are strong. Like type 1, they're externally motivated – but they're fiery, even if it isn't immediately apparent."

Friendly, traditional and reliable, these tones are popular in branding and work for well-established companies. However, they can convey bossiness or appear old-fashioned if they are misused.



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GROUP 2

TYPE 2 PERSONALITY

Group 2 colours are cool (they contain blue), mid range (most contain grey) and delicate, but not necessarily light – for example raspberry, maroon or sage green.
Characteristics include understated elegance and timelessness.

"The personalities are cool, calm and collected," says Wright. "They're internally motivated, but very sensitive to how others are feeling. They don't want to be at the forefront of anything, but they'll be the power behind the throw. In branding terms, these colours are rarely – if ever – used, because they're very recessive," she explains.



GROUP 4

TYPE 4 PERSONALITY

Group 4 colours contain blue and are cold rather than cool. They're pure and either very light, very dark or very intense. "The personalities are the same - very clear; everything's black and white," says Wright, adding that type 4 personalities are internally motivated, often very efficient and don't suffer fools.

Containing black, white, magenta, lemon and indigo, this group's characteristics include efficiency, sophistication and excellence – but misused, the colours can be seen as unfriendly, materialistic and expensive.

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