











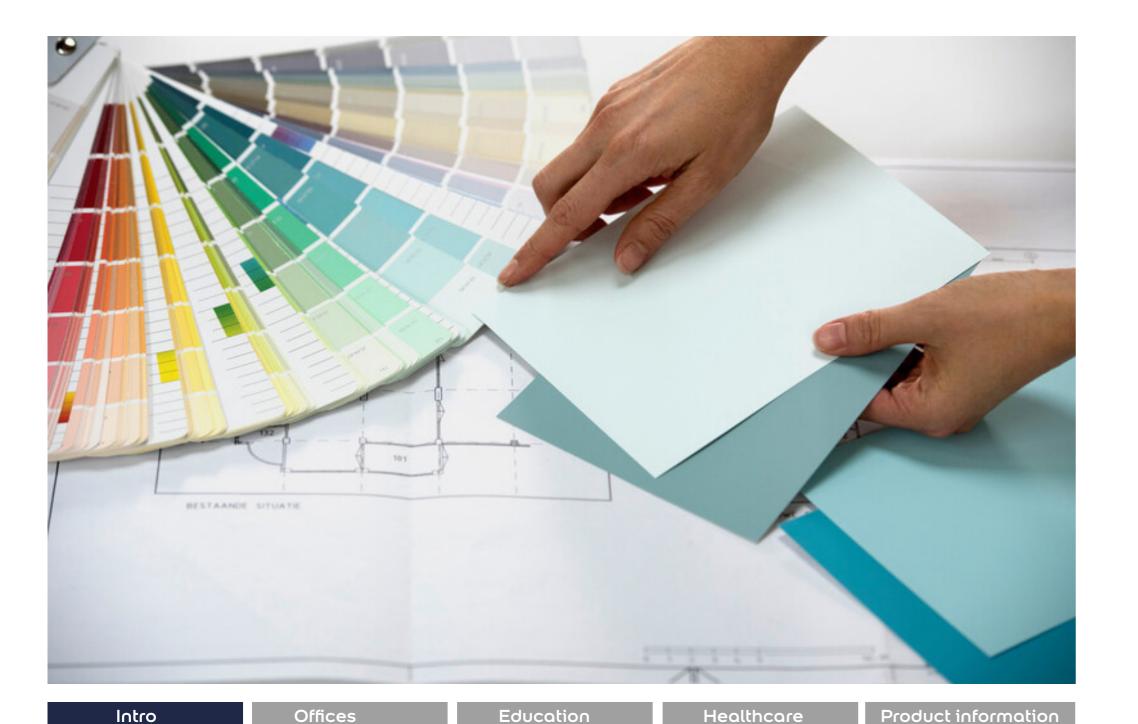
HUMAN CENTRIC DESIGN

THROUGH COLOUR AND PAINT

FOR OFFICES, HEALTHCARE
AND EDUCATION







COLOR DESIGN OPPORTUNITIES

Color design in public spaces is challenging, however colors applied in the right way provide strong apportunities. Designing color schemes for spaces happens in the context of settings and situations and our reaction to color is strongly influenced by light, its neighboring colors and other environmental factors *1. Studies show that the impact of color in spaces depends upon individuals' sensitivity towards the environment, their color preference and time of exposure to interior colors. Also, physiological factors such age, eye fatigue and visual- and color deficiency play a role in space perception *2. Yet we believe it is it possible to give direction and suggestions for color combinations that work in different areas and that benefit the all users.

Based on these insights and research we designed this brochure with easy to apply color-palettes for offices, education and healthcare environments. We share our color-knowledge to help you improve the lives of your customers and their users.

Intro Offices Education Healthcare Product information

^{*} Source 1: https://www.cleverclassroomsdesign.co.uk/reports-guidance

^{*} Source 2: Cholour and lighting in hospital design, Dalke and others, Kingston University (2006) https://eprints.kingston.ac.uk/id/eprint/23109/



BRINGING SURFACES TO LIFE

Well-designed spaces can impact our behavior and feeling of well-being. The use of color plays a vital role, the color approach can vary per space and highly depends on the needs of the users in that specific space. We believe that there is an additional, underutilized dimension to building design —color this element considers more than building function and aesthetics.

For all kinds of spaces, lifestyles and life-stages, we offer color and paint solutions for comfortable environments that improve the feeling of wellbeing. As well as safeguarding national treasures and icons, you can expect us to consider the desired user-experience of a building. Whether working on a school redevelopment, a workplace refurbishment, or a new hospital construction project – we will help you deliver product- and color specification that focuses on the user's experience. We are taking up the challenge of 21st century living and offer help to building-owners to deal with trends affecting human health and performance. As well as environmental sustainability, social sustainability remains high on our agenda. The built environment, architecture, can play an important role in enhancing individual well-being. As a result, we believe that it's our role to inspire to high quality building design through color.



HUMAN CENTERED DESIGN

With our People. Planet. Paint. approach to sustainability, we want to play a positive role in creating a brighter, more sustainable future for our planet and our communities. Our mission is to add color to people's lives. We do this by creating harmony between spaces and the people living or working within them.

We believe in optimized building design that enables people to thrive. We are committed to finding new possibilities for working in partnership with others to deliver innovative, high quality, sustainable solutions to our customers – enabling us all to continue to thrive and feel productive, despite the ever-growing demands on our daily life. This requires a fresh look at interior spaces and building design. Research has shown that color can elevate spaces. This brochure gives you the color-insights and color-rational you need to make a space, a place where people can be more productive, better focused, more at ease, or better supported. We believe that well executed color design promotes enhanced well-being and productivity. In everything we do, we try to focus on the experience of the user of buildings as part of our human- or occupant centered design approach.In this brochure we will help you to develop color design-solutions that can improve the overall experience of all users.

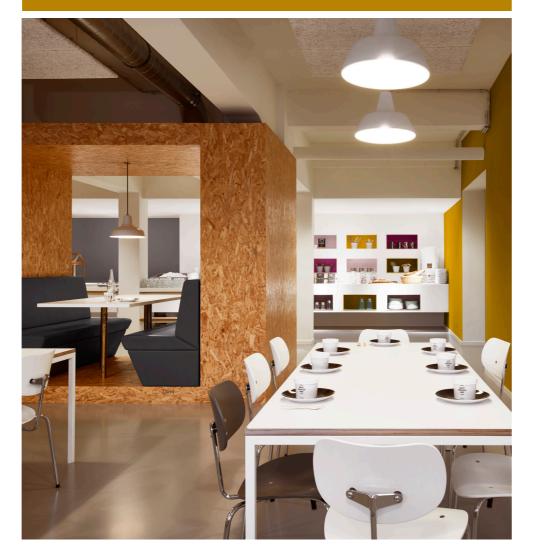
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THE SPACE TO SPACE APROACH

The importance of the human-, functional- and corporate design objectives may vary per space and highly depends on the needs of the users in that specific space. Good color design provides color schemes that can be applied to support the purpose of the spaces and how people use them, while maintaining a unified design for the building as a whole *3. For example, when you enter a hospital, it is important that you can easily find your way, while in a waiting room you want to feel at ease. At the same time these spaces need to feel connected, the color-approach has to come from the same design-idea. Our color palettes for various spaces within one building cater for the need of the specific space and connect the spaces at the same time.

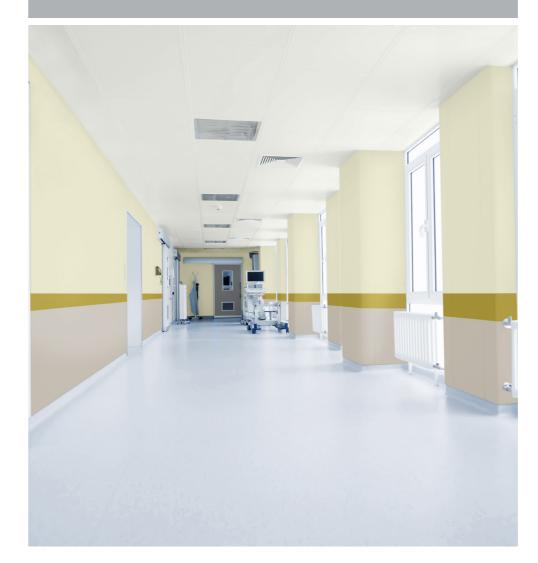
HUMAN FACTOR

improve the overall experience of all users of the building



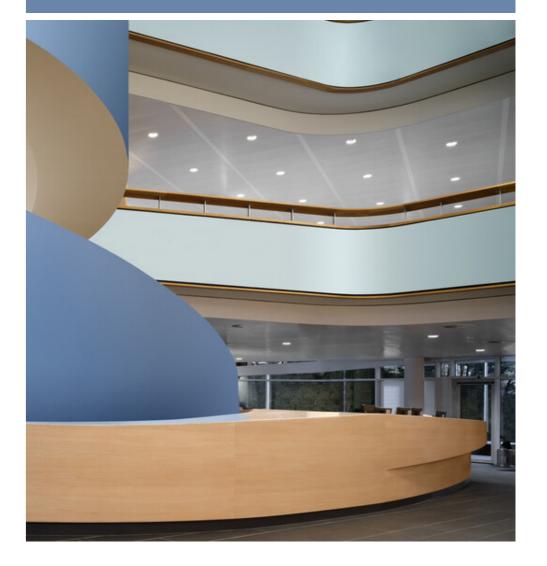
FUNCTIONAL FACTOR

manage spaces, while also improving navigation and orientation



CORPORATE FACTOR

image-building, reputation and ambiance of the building



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 $^{\prime}$

^{*} Source 3: Color, Environment, and Human Response, Frank H. Mahnke, Van Nostrand Reinold, NY, USA, 1996

THE SPACE TO SPACE APROACH

KNOWING YOUR USER

Whatever project you are working on, we advise to take the following color design considerations into account:

Knowing the user:

Our reaction to color is related to our perception which is an interpretation of the user of the space and his sense of well-being. Knowing the user, whether they are employees, pupils, patient or visitors is vital.

Design for all:

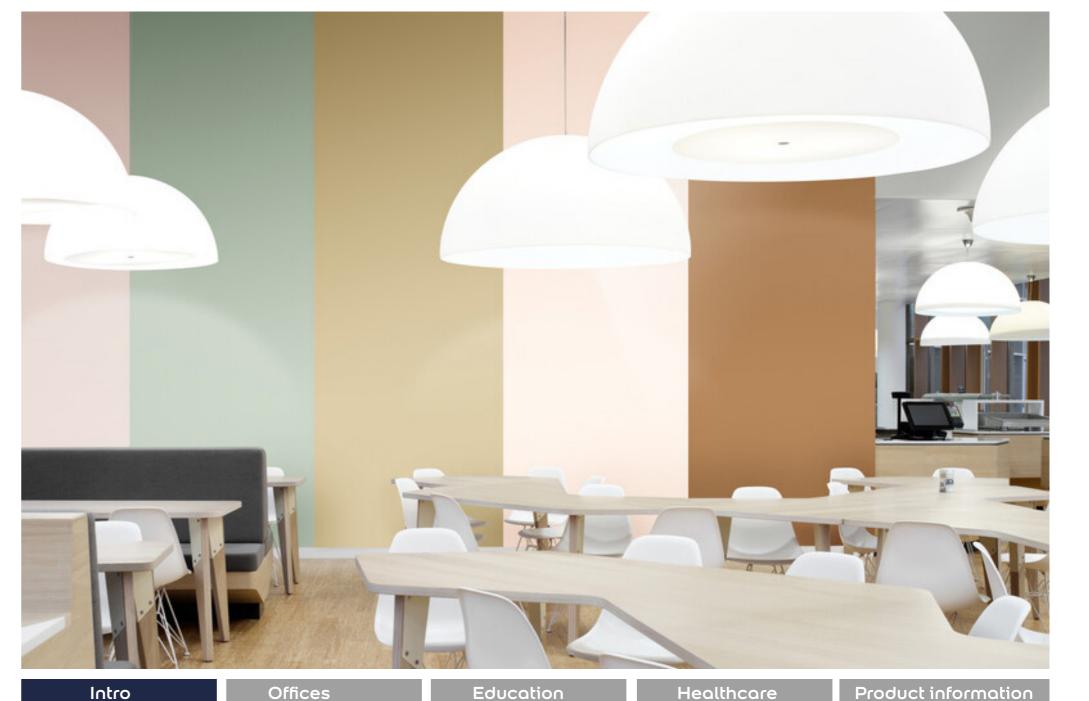
Whenever color is used for the coding of information, color deficiency should be considered. "Design for all" means inclusive design that takes color- and visually deficiency in consideration.

Involve the user:

General redecoration can have an enormous effect on appearance, boost morale and raise interest, especially if you involve the users of the building in the color design process. This will make them co-owners of the design.

In this brochure we provide you with research-based color-schemes and detailed color-information for office spaces, education environments and healthcare facilities. Based on the scientific insights and the space-to-space approach, we designed color-palettes for various sectors, spaces and user-moments. The easy-to-use palettes show you the best colors and color-combinations for ceilings, walls and accent-areas.

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AVOIDING COMMON DESIGN MISTAKES

Color design decisions can be challenging. Below some examples and tips that illustrate that, taking the right color decisions, is more easy using this brochure

1. WAY FINDING



Lack of color contrast between the critical surfaces; walls, floor and doors can make it more difficult for those with visual impairments to navigate unfamiliar spaces. Add accents to make sure users can find their way, using color as signage with the right contrast improves navigation.

2. CONTRAST



A clinical, white room environment can cause glare, impacting negatively on concentration, where color on the wall can aid focus. This brochure will help you to select the right colors to avoid over-stimulation. While at the same time improving the indoor environment.

3. LIGHT REFLECTION VALUES



Color on handrails, carpets and pillars should contrast with the wall color with at least a minimum difference of 30 points of Light Reflectance Value. The LRV expresses the percentage of light that is reflected from a surface. To improve safety, it's important areas differentiate from each other. Color is an easy way to do this.

4. ZONING



Creating a distinct contrast between walls and floor supports navigation for those with visual impairments and this clearly defined walkway adds a smart finish to the fresh and upbeat office design, where zones are created through wall and furniture color.

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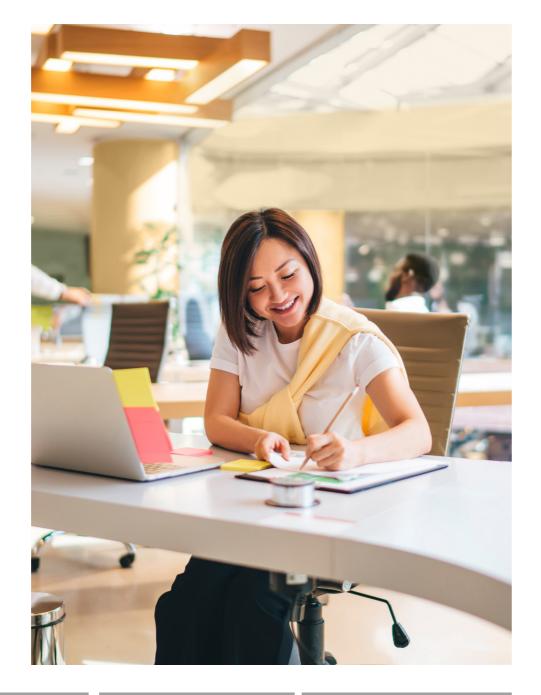
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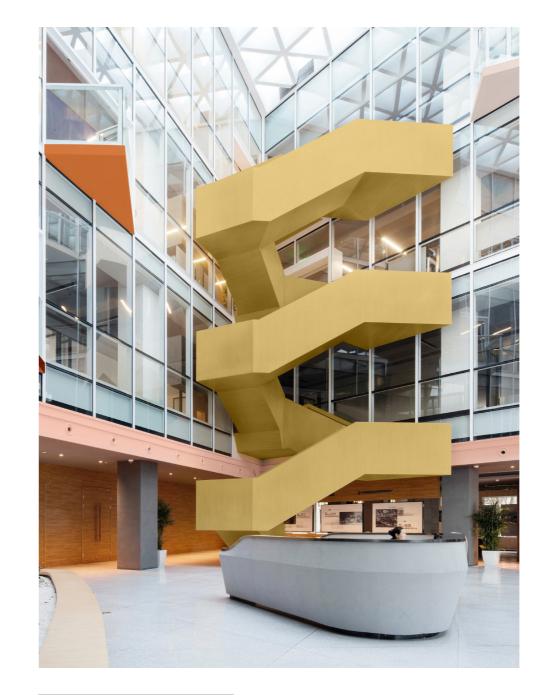


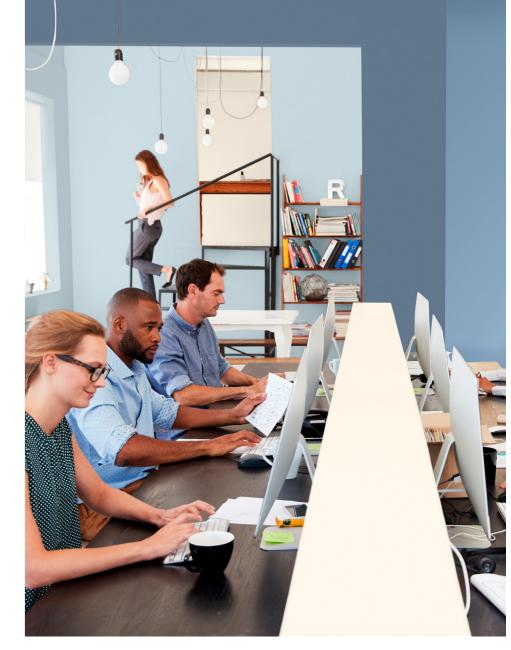
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DESIGNING FOR OFFICES







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DESIGNING FOR OFFICES

CHALLENGE

We spend much of our day in workplaces designed to let our minds thrive. Well-being in an office environment often stems from employee satisfaction as well as working together with others and being part of a team. In the past the well-being and health of employees in context of the office environment were, hardly considered. Now more and more business managers recognize that the conditions in the workplace influence the people who work there. Several studies statistically show that office environments affect our well-being, motivation, job satisfaction and operational productivity.

Source: BRE. Biophilic Office

COLOR SOLUTION

Lighting, climate, natural elements, acoustics, flooring, visual ergonomics and floor space efficiency, have to be considered in relation to color. Health and wellbeing gains can be achieved through expert application of color and design and use of products that reduce VOC emissions. Where it comes to color-design in office environments, there are options to consider. Tonal color combinations tend to be more tranquil, compared to combining two different hues. Muted colors create comfortable environments. Lighter shades make spaces appear bigger. Matt finishing avoids reflected glare and uncontrolled brightness. Rhythmic color arrangements produce variety in large open spaces. We designed color palettes to illustrate this, identify the type of space and use the color options of the Offices Color Palette for ideas and inspiration.

Color design can be used as an image factor. First impressions count! Overal appearance and the way a company presents itself can has an impact on visitors.



Use color in corridors —
this can be particularly
helpful for wayfinding, especially as the trend continues to rent office space in large shared buildings.



Identify what you want to improve, the type of space and use the color options of the Offices Color Palette for ideas and inspiration.

Education



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OFFICES **COMMUNAL SPACES**

ceiling & wall





Public spaces are not only designed for communal activities, but also as a first impression to visitors. These areas include meeting and conference rooms, as well as receptions, cafeterias and lounges. Colors should be inviting & welcoming, complemented with colors reflecting the workplace's culture & identity. Different colors can be helpful in defining separate departments, floors and to differentiate various facilities. Bold colors attract attention and can provide visual directions and focus in corridors.

OFFICES WORKSPACES

ceiling & wall





Space-efficient designs, colors, ergonomics & functionality are necessary for office workspaces. Yet the correct color balance is essential for standard workstations where intense focus is needed. Ideally, no more than two different hues should be combined. Paler colors, in general, are a good choice for workplaces. Soft yellow, sandstone, pale orange, soft green and blue green are always appropriate. Don't forget to use saturated accent colors though, they can help enliven plain workplaces as accents.

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OFFICES INDIVIDUAL WORKING SPACE

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JO.05.85 LN.02.77 SO.05.85 T5.04.81 ON.00.86 99YY 77/080 94GY 66/038 82BG 79/062 30BB 73/052 75GY 81/005 wall N6.08.70 SO.09.71 U1.06.71 ON.00.69 H1.21.68 68GG 53/098 83BG 55/097 50BB 54/079 49GG 52/001 90YY 48/255

accent & feature wall

H8.12.61 10GY 39/136

JO.50.50 21GY 28/472 0.50.40 8GG 19/378

S9.30.40 15BB 19/227

UO.20.20 52BB 08/128 T7.05.25 42BB 09/032

50.05.45 5BG 23/044



Private workplaces are where individuals have their privacy to concentrate on their tasks. These spaces require soft or mid-tone colors to encourage focus and concentration. Because of its tranquil, calm and natural qualities, green, especially pale green, along with blue green provides a good environment for tasks involving high concentration. In contrast, large amounts of vibrant colors should be avoided.

OFFICES **SUPPORT AREA**

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EO.60.50
76YR 27/558

H2.60.60
91YY 40/628

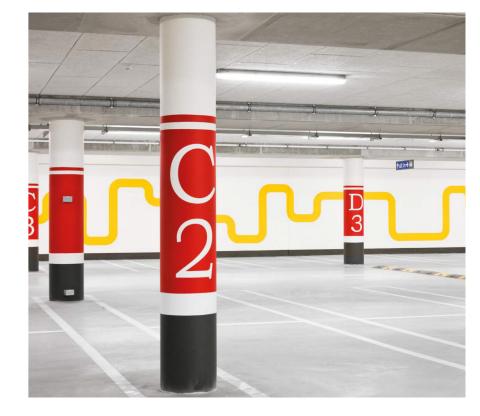
K2.60.40
59GY 20/482

Y1.22.29
90RB 12/225

ON.00.50
31BG 26/004

V3.34.18
91BB 07/263

ON.00.10
81YR 06/003



Support areas are often centrally located within work-places. Such areas should be easily identifiable & accessible to everyone in the workplace. This can be attained by high contrast in both lightness and color intensity. Bold colors can help with the navigation & organization of these spaces. The light, neutral colors help illuminate dim spaces such as archives and parking.

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DESIGNING FOR EDUCATION







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DESIGNING FOR EDUCATION

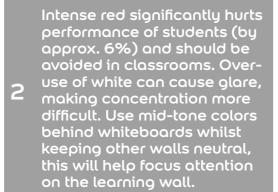
CHALLENGE

Schools, colleges and universities are unique places. They must support learning and stimulate the senses, yet allow for concentration. Increasingly, learning environments must additionally balance that requirement to be more robust and inspiring, with the need to provide safe and nurturing environments that are flexible enough to support complex behavioral needs and provide the sense of well-being.

COLOR SOLUTION

We aim to help students to thrive through the power of their environment. Well-designed schools influence the behavior, motivation and performance of their users and impacts feelings of happiness and excitement. We worked closely with the Sussex University to identify the impact of color on children's performance in school *6,*7. The outcome of this scientific study has been used to design our color schemes. For various spaces in education-environments. Hallways, classrooms as well as sports areas and even staff-rooms, they all have different color requirements to make them well performing spaces for their users to thrive. Next to easy to use color-palettes our products ensure durability and wash-ability, qualities that are an immediate priority for the hard-wearing common areas, such as atriums and corridors, that experience high foot traffic.

Use the Education Color Palette, identify the type of space, review the color and product options selected fo that space. Don't forget to involve the users.



Color provides an excellent element for way finding. Different corridors, classroom pods, clusters or wings of a building can be color-coded to help children develop a sense of location in a large school.

Education











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^{*} Source 6: The effect of colour on children's cognitive performance. Brooker, A., & Franklin, A. University of Sussex (2015). http://www.sussex.ac.uk/psychology/col-

^{*} Source 7: A holistic, multi-level analysis identifying the impact of classroom design on pupils' learning, Building an Environment 59 678-689, P. Barret et. Al University of Salford, 2013

EDUCATION CORRIDORS

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DN.03.85 50YR 83/040 F9.04.83 53YY 77/064

LN.00.86 50GG 83/011 ON.01.86 50RB 83/005

GN.00.88 93YY 89/012

wall

G4.15.84 CO.04.78 21YR 67/074 63YY 79/219

M3.08.82 30GG 75/111

1.38.56

OGY 33/408

R6.11.74 70BG 59/124

S9.35.56

11BB 35/316

SN.00.76 30BB 62/004

accent & feature wall

45.27.27 70RR 10/250

9YY 52/691

8.58.54

6.60.70

H2.50.70 93YY 52/598

T4.36.27 30BB 11/244

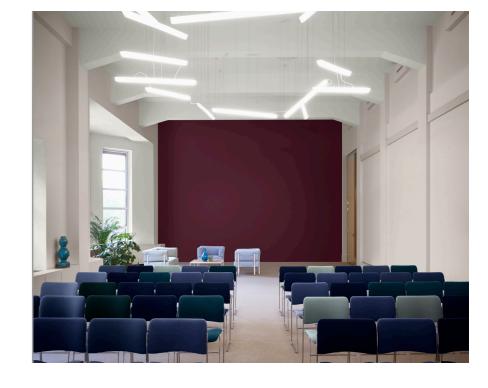
ON.00.31 87YR 12/005

In corridors, colors chosen must ease navigation and aid recognition. Colors used to differentiate critical surfaces should vary by at least 30 points in their light reflectance values for optimal clarity. Different corridors or wings of a building can be color-coded to help users develop a sense of location in a large school. At the same time, colors can give a school its distinctive personality and identity, especially at the entrance.

EDUCATION **AUDITORIUM**

ceiling & wall





School events, theatrical performances or presentations, the auditorium serves many functions and purposes. As assembly space for mass gatherings, the atmosphere in auditoriums needs to be warm, inviting and comfortable. Warm neutrals in combination with darker colors, such as purple, navy, dark red or green make the space look and feel more intimate. In addition, textures and materials in the auditorium, even the amount of glass used, help define the visual experience within the space.

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EDUCATION CLASSROOMS

ceiling & wall

DN.00.87 F6.03.86 HN.02.85 S1.05.81 UN.00.87 60YR 83/026 40YY 83/043 89YY 80/039 67GY 40/437 30BB 83/013 wall S1.12.72 E0.10.80 G1.13.79 KO.05.77 WN.01.77 86YR 70/136 54YY 71/171 50GY 65/084 90BG 56/125 30RB 64/030 8.40.60 F9.43.74 J3.23.69 TO.10.60 W2.04.59 04YY 39/480 50YY 60/538 30GY 51/294 10BB 39/100 30RB 36/055 accent & feature wall UO.24.39 V9.10.32 4.67.63 K5.38.62 50BB 18/21 ORB 13/107 67GY 40/437



Classrooms have to accommodate many students through their times of learning and reflecting. Such spaces have to encourage focus and concentration. For classrooms subdued colors work best. Warm, earthy tones reduce anxiety, while soft, muted cool colors enhance concentration. Avoid overuse of deeply saturated bright hues as this will create too much stimulation as children will have a hard time focusing. Use color behind white-boards whilst keeping other walls neutral. This will help focus attention on the learning wall.

EDUCATION ART CLASS

ceiling & wall





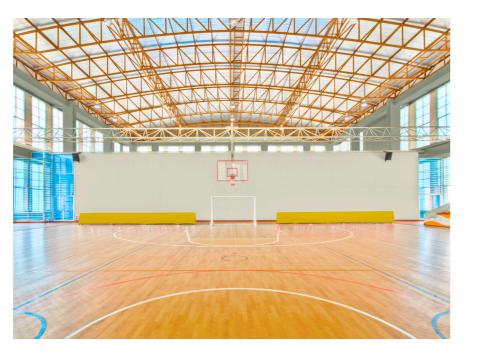
Academic research shows there is a tendency for blue and green to enhance creativity & originality. Light, minimal, neutral but inspiring colors work well since displays of students' artistic endeavors are what bring art rooms to life. Of all the rooms in a school, the art room should have the windows to the best view to inspire learning and creativity. Bright white walls are best avoided because they reflect light, which causes strain and fatigue on the eyes.

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EDUCATION **SPORTS FACILITIES**

ceiling & wall





Sports give students a balance between their physical health and intellectual development, at the same time stimulating students' determination and healthy competitive spirit. There are no hard and fast rules on color for sports facilities, however, avoid bright white in large areas which may lead to visual discomfort. Using cool, unobtrusive tones is one key tip. Large expanses of vivid color can be too distracting in such a hectic environment. Using split colors for the upper and lower sections of the walls helps with visibility.

EDUCATION **STAFF ROOM**







When class ends, not only do students need their space for rest & play, teachers need their own space too. Relaxing, restful and uplifting colors in staff rooms keep teachers motivated to see students through their learning journeys. Accent colors help spark a sense of energy in spaces within staff rooms. By managing contrast in lighting and color you can create a space that stands apart from other spaces, giving teachers the opportunity to step out their daily environment for a while.

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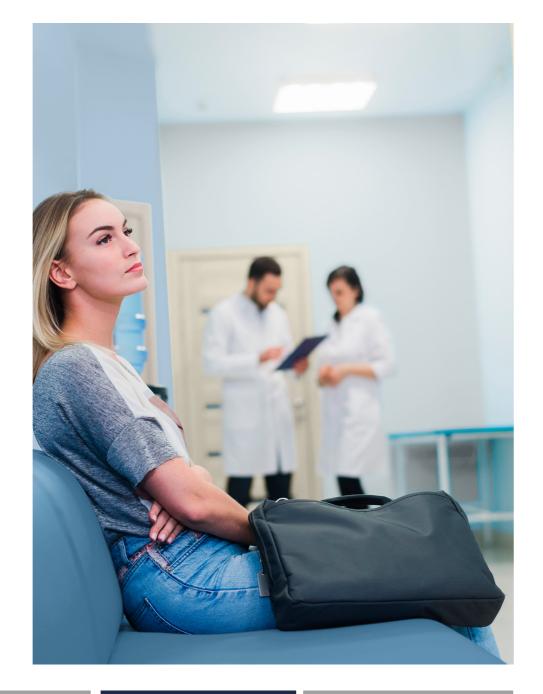
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DESIGNING FOR HEALTHCARE





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DESIGNING FOR HEALTHCARE

CHALLENGE

The past years a lot of research has been done to the hospital's visual environment in order to find solutions for problems related to the quality of healthcare facilities. Think of the growing healthcare consumption (partly due to aging), patient recovery as well as the motivation, recruitment and retention of hospital staff. Aesthetics and environment quality are considered to be increasingly important. Cold, formal, inaccessible antiseptic hospital environments are more and more replaced by more friendly and welcoming, attractive areas with color, variety and interest for patients, staff and visitors.

COLOR SOLUTION

When applied with the users' needs in mind, color can improve patient's quality of life, reduce feelings of stress and anxiety aiding recovery. In more practical ways color can be an invaluable tool, aiding wayfinding and navigation *8,*9. Optimal and appropriate color design, but also lighting, materials, art, planting, interior climate and acoustics can contribute to an environment that promotes a sense of well-being for all users of the building. Healthcare spaces need to be friendly and visually attractive, where the well-being of patients is enhanced, staff feel more motivated and visitors are greeted with a warm welcome.

* Source 8: Color and Lighting in hospital design, Hilary Dalke e.o. Color and Lighting in hospital design, article Optics & Laser Technology 38, Elsevier Science, 2006 article Optics & Laser Technology 38, Elsevier Science, 2006

* Source 9: Color Communication in architectural space, G. Meerwein, B. Rodeck and F.H. Mahnke, Birkhäuser Verslag AG, Basel, Switserland, 2007

* Source 10: https://www.duluxtradepaintexpert.co.uk/en/advice/knowledge/creating-colour-contrast-line-equality-act-quidelines

Using the Healthcare
Color Palette, identify
the type of space, review
the color and product
options selected for that
space. Don't forget to
involve users.

Colors can be used to differentiate between facilities. Clear colors with contrast, such as red, blue and yellow, are useful for zoning between different levels and spaces. Use a strong color at the reception to help guests identify it as a prominent point in the facility.

Elderly may have eyesight difficulty in differentiating between green and blue. Create contrast, a minimum of 30 points difference in light reflectance values is especially helpful for theelderly and visually impaired *10.









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HEALTHCARE **COMMUNAL SPACE**

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MN.02.87 36GG 87/038

HN.02.88 77YY 86/032

HO.09.80

G3.42.59

51YY 39/443

83YY 72/129

G3.04.83 67YY 82/072

F8.25.77

F6.60.70

39YY 52/691

45YY 65/334

LN.00.87

11GY 85/016

PO.04.83 95GG 78/054

accent & feature wall





13.30.60 95YY 39/329 F6.60.60 37YY 38/594

E0.03.83

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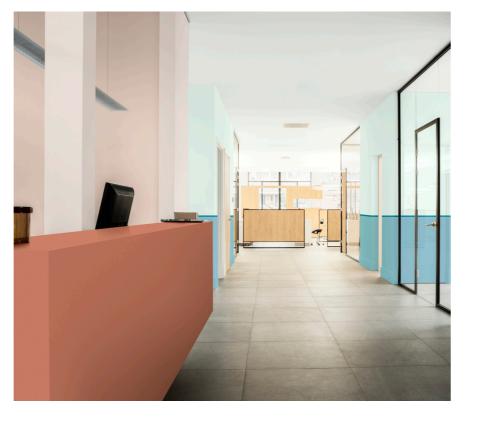
60YR 31/368

75YR 64/102

98YR 78/041

90GG 83/011 GO.05.70 46YY 53/062

GO.03.86



RECEPTION & CORRIDORS

Highly visible, welcoming entrance lobbies and receptions help put anxious patients and visitors at ease. A comfortable environment with a sense of open space that is easy to navigate. Clear wayfinding signs, with contrasting colors also help guests easily access different spaces within a healthcare facility. Accessibility can be improved by using high contrast in colors.

HEALTHCARE COMMUNAL SPACE

ceiling & wall





WAITING AREAS

When in physical discomfort and with tensions running high, comfortable and reassuring waiting rooms can help reduce anxiety and stress. Simple domestic colors, combined with neutrals and some lively effects and decorative ornaments, create a more intimate environment that makes visitors feel at ease.

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HEALTHCARE COMMUNAL SPACE

51GG 12/132

ceiling & wall



2YR 18/39



RESTAURANT

The restaurant in healthcare facilities should possess a different atmosphere compared to other areas in the building. An open and inviting restaurant attracts visitors. While its decor must complement the healthcare facility, soft lighting paired with brighter colors that are not too saturated are ideal. Since this is a place where visitors can relax and eat, the colors suport an air of warmth and informality.

HEALTHCARE PATIENT ROOMS

ceiling & wall





PATIENT ROOMS

Calm and comfortable patient rooms are a safe haven to retreat to for rest and recovery. Colors have to be carefully selected and light delicately positioned. In general, limit the use of high intensity hues on large areas to help accurate visual diagnosis and to avoid overwhelming visual stimulation. Minimize bright green in patient rooms because it causes an unflatteringly skin reflection. Soft tones combined with some color accents are ideal.

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HEALTHCARE PATIENT ROOMS

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N9.04.86 90GG 83/057

66YY 88/114

F2.05.87 23YY 86/081

LN.00.87 18YR 83/042 11GY 85/016

wall

N8.09.81 79GG 75/125

G3.46.83 62YY 78/618

G4.08.88

E1.12.76 90YR 64/166

B1.07.76 90RR 62/124

C3.41.53

AO.41.28

26YR 30/511

BN.03.87

GO.03.86 90GG 83/011

GO.05.70

46YY 53/062

Q0.20.73 17BG 60/228

H1.33.74 90YY 58/424

accent & feature wall

C4.75.30 16YR 13/558

09.47.54

80YR 31/508

55RR 11/401



PEDIATRY

Children often are fearful of medical treatments. Pediatric units have to breath an air of familiarity and comfort for children to cope with the unfamiliarity of their situation. Such an environment and, for example, a play area, can give children the comfort & security they need to calm their nerves and to soothe their ailments. Colors can either be clear and bright or warm and varied. Avoid using bright yellow for baby units since it reduces the ability to detect signs of jaundice.

HEALTHCARE PATIENT ROOMS

ceiling & wall





INTENSIVE CARE

Intensive Care Units need utmost care & attention. Soft lighting, controlled by dimmers, creates a restful area with minimal visual clutter. While wall colors should be kept neutral and light with either a flat or matt finishing, some color accents may be used sparingly in selected areas to avoid monotony. The environment must be kept clean, safe & restful for the patient, while also supporting advanced medical equipment to function smoothly. Avoid bright white since it could create glare.

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HEALTHCARE TREATMENT ROOMS

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UN.02.86 SN.00.86 GN.00.88 EN.00.87 LN.00.87 59BB 81/022 SOBG 83/009 93YY 89/012 GOVR 83/009 11GY 85/016 Wall

U5.06.67 F8.18.76 N7.04.73 E7.03.76 G0.05.70 70BB 49/082 45YY 63/251 74GG 60/059 10YY 64/048 46YY 53/062

accent & feature wall

JO.23.51 F8.31.69 50BB 27/232 45YY 51/365

59 P8. 51/365 10 12.61 3G 38/119 5 2/167 ON.OO.45 28GG 22/002



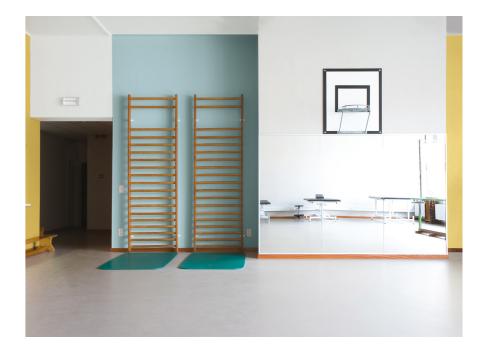
CONSULTATION ROOMS

The color choice for consultation rooms depends greatly on the purpose, function and type of treatment or therapy. Patients usually come for a short consultation or treatment. The space is often small. Hence, the use of light colors is recommended to make the room appear more spacious. Friendly, light and pale colors are generally a good choice for consultation rooms. However, apply bolder accents to uplift the mood, eliminate monotony and add some positivity for both patients and staff.

HEALTHCARE TREATMENT ROOMS

ceiling & wall





ACTIVE TREATMENT ROOM

The active therapy or treatment room should stimulate the patient to recover, by doing physical exercises. More saturated colors can be applied in active treatment rooms. Stimulating color-hues like intense red, orange and yellow will encourage patients to actively participate in their treatment's process and progress. In spaces were patients are in therapy to regain the ability to walk, floors could be divided into sections of different hues, which could activate, stimulate and show their daily progress.

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HEALTHCARE TREATMENT ROOMS

ceiling & wall

QN.02.82 MN.00.86 72BG 75/023 90GG 83/011

KN.02.86 90GY 83/033 H3.04.85 94YY 83/072

LN.00.87 11GY 85/016

wall

Q2.04.81 30BG 72/051

NO.03.77 50GG 63/042

L2.04.81 H6.05.78 90GY 73/059 16GY 66/078 G0.03.86 90GG 83/011

R6.06.73 N6.08.70 70BG 56/061 68GG 53/098

N6.08.70 K9.09.72 68GG 53/098 79GY 57/120

accent & feature wall

TO.20.40 18BB 19/153

P8.16.50 .OBG 26/134 L1.11.53 90GY 29/121 5.20.49 3GY 26/190

H9.09.69

13GY 52/120

ON.OO.45 28GG 22/002

GO.05.70

46YY 53/062



OPERATING ROOM

Operating theaters often are blue green, almost, everywhere in the world. There is a functional reason behind this. A monochromatic color scheme, made up primarily of either green or blue, reduces visual strain caused by prolonged visual concentration on the wound. Green colors are ideal because they neutralizes the afterimage caused by blood red and minimizes glare owing to the intense light emitted from operating lamps.

HEALTHCARE STAFF ROOM

ceiling & wall





STAFF ROOM

Not only do patients need their space for resting and recovering, staff too needs their space. Especially when performing under high pressure it is important to be able to withdraw from time to time. Relaxing, restful and uplifting staff rooms keep healthcare professionals motivated to see patients through their speedy recoveries. Contrast in color and lighting help staff differentiate between their work and rest places. Health matters for both patients and staff.

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DESIGNING FOR DEMENTIA & AGED CARE

CHALLENGE

Dementia is one of the major causes of disability and dependency among older people. Worldwide, around 50 million people have dementia and every year, there are nearly 10 million new cases. The estimated proportion of the general population, aged 60 and over, with dementia is between 5-8% *11. Dementia has a physical, psychological, social, and economic impact, not only on people with dementia, but also on their carers, families and society at large. With numbers set to rise to over 152 million people with dementia by 2050, there is an increasingly urgent need to provide living spaces that provide wellbeing and comfort for dementia-patients.

COLOR SOLUTION

It is important that interior designs are created which consider and embrace all users of the facility including staff. From the ambiance to functional use, good color design can create a comfortable and safer place and make a valuable contribution to the well-being of its users. In the palette, colors have been selected and combined to enable enough color and contrast of critical surfaces, minimizing the risk of trips and falls. The contemporary color-palettes reinforce a sense of dignity, instill positive personal connections and provide stimulation within the space *12,* 13.

Color can be used to improve how a space functions; use contrasting colors on the door and adjacent walls to help residents to identify spaces they can enter. Conversely, paint a door and the surrounding wall the same color to minimize stand-out discouraging access to restricted areas.

Use the Dementia Color Palette, identifu the tupe of space, review the color and product options selected for that space. Don't forget to involve the users.

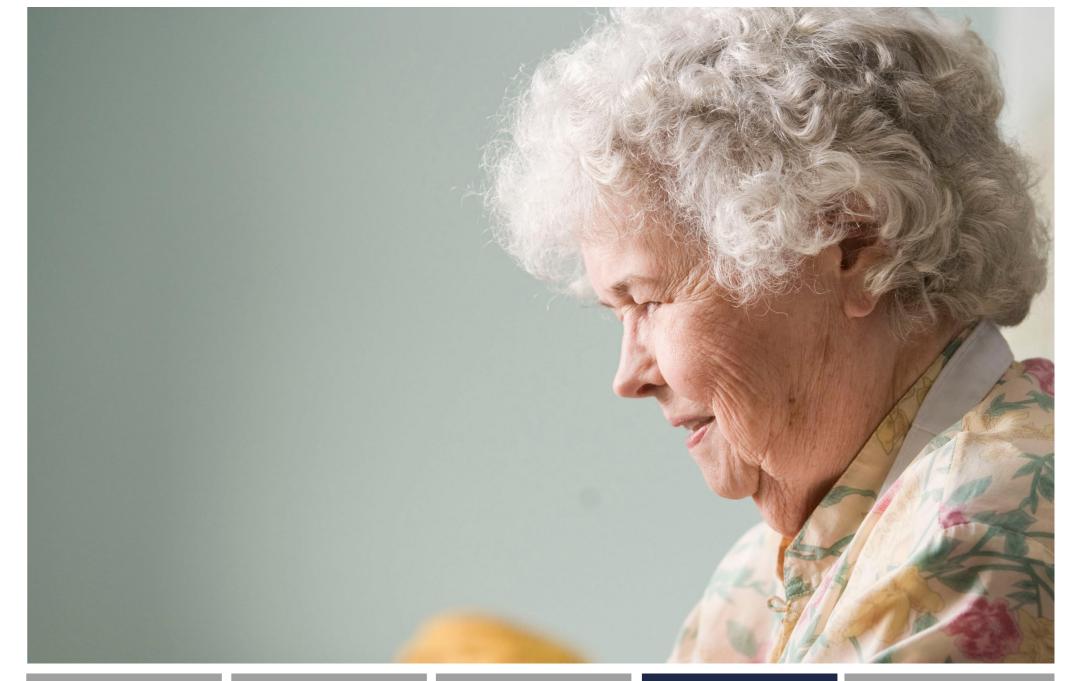
Very white or shiny flooring should be avoided because the reflected light can disturb or dazzle someone with dementia. Also avoid very dark flooring or mats which can look like a hole in the floor.











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^{*} Source 11: WHO, Sept 2021 https://www.who.int/news-room/fact-sheets/detail/

^{*} Source 12: https://www.alzheimers.org.uk/sites/default/files/migrate/downloads/ making_your_home_dementia_friendly.pdf

^{*} Source 13: Dulux Trade Dementia Friendly Colour Palette and Design Guide www.d uluxtradepaintexpert.co.uk/contact

HEALTHCARE **DEMENTIA**

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SN.02.85 ON.01.86 XN.01.84 FN.01.86 F3.04.86 50RB 83/005 74RR 76/023 20YY 83/063 02BB 81/030 40YY 83/021 wall B7.03.77 T5.07.77 WO.04.78 FO.10.80 FN.01.79 30BB 63/084 16RB 69/065 19YR 67/058 20YY 70/138 30YY 68/024

accent & feature wall

UO.2O.2O 52BB 08/128

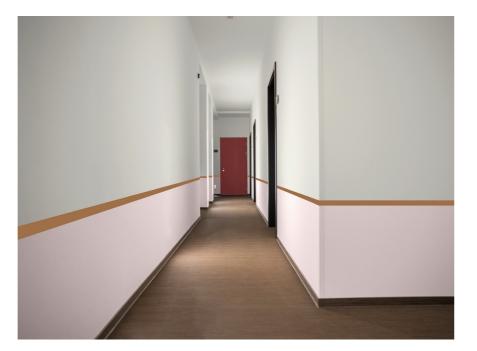
50BB 26/1C

AO.31.23 64RR 09/276 B9.42.20 O5YR 08/272

8.35.45

77 21/41 21/41

C3.13.14 18YR O5/072 F1.03.27 20YY 11/017



CORRIDORS

Design-for-all, "inclusive design" within any care-environment encourages the application of color and color-design that enables occupants to have greater confidence to move around independently within a space. Colors have been selected and combined to enable enough color and contrast of critical surfaces, minimizing the risk of trips and falls. Within a care home, critical surfaces (walls, floors and doors) should be defined and have contrast between them. The recommendation is a minimum of 30 points of light reflectance (LRV).

HEALTHCARE **DEMENTIA**

ceiling & wall





BEDROOMS

Color can be used within the design-solution as way of reinforcing positive personal connections and to provide stimulation within the space. We all enjoy being in places that are interesting and vibrant and make us feel secure. Colors reduce feelings of stress or anxiety. For bedrooms the main wall colors should be kept soft and light. Feature wall colors are often used for aesthetic purposes, however they can also help with highlighting obstacles, i.e. pillars, handrails, radiators and can also aid with way finding. It is important to apply the color and contrast guidelines to these surfaces.

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HEALTHCARE **DEMENTIA**

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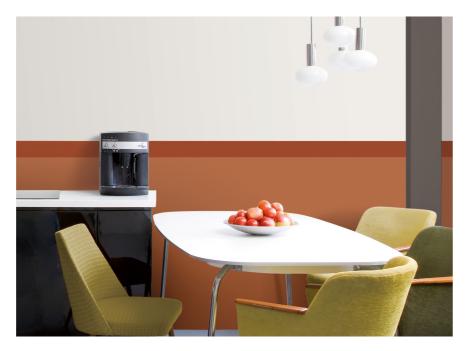
F8.03.85 G4.04.88 EN.02.88 CN.00.86 FN.01.86 43YY 81/051 11YY 85/042 10YR 83/015 40YY 83/021 57YY 86/073 wall G5.07.77 G2.16.81 E0.10.80 BN.02.77 FN.01.79 70YY 65/090 60YY 72/225 86YR 70/136 90RR 64/036 30YY 68/024





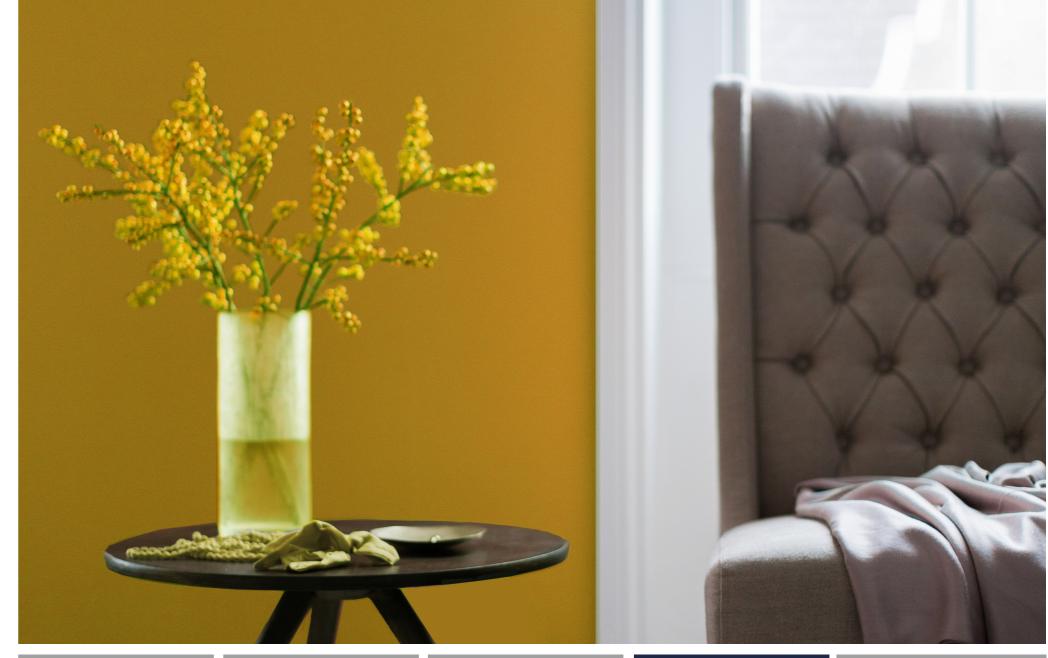
-8.37.27 45YY 11/200 DO.47.33 50YR 12406 Y7.12.21 10RR 08/100

F1.03.27 20YY 11/017



COMMUNAL SPACES

The communal area is the space where residents spend a large part of the day. A warm homely atmosphere where people feel comfortable and at ease is important. Try to include some materials that are soft, natural and textured, giving a comforting homely depth and softness to the space. Creating contrast to highlight critical surfaces remain the first priority, but another is to remember that furniture also needs to have contrast with the surrounding walls and floor. For example, use contrasing background or floor colors behind chairs and tables to avoid any confusion and to prevent trips and bumps occurring.



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