

# PRODUCT OVERVIEW

RAL COLOURS –  
Innovation and Reliability. Worldwide.

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## MEMBERSHIPS

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DEUTSCHES FARBENZENTRUM



**Rat für Formgebung**  
German Design Council



Deutsches Mode-Institut

**DMI**  
WOMEN MEN INTERIOR



China National  
Coatings Industry  
Association



Deutsche  
Farbwissenschaftliche  
Gesellschaft



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## AWARDS

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German  
Design Award  
**WINNER 2015**



**GERMAN  
DESIGN  
AWARD  
WINNER  
2016**



**GERMAN  
DESIGN  
AWARD  
WINNER  
2017**



**GERMAN  
DESIGN  
AWARD  
WINNER  
2018**



reddot design award  
winner 2017



Design  
Intelligence  
Award  
中国设计智造大奖

**RAL**

COLOURS

# NEW. FANTASY BECOMES COLOUR.

RAL DESIGN SYSTEM *plus* –  
the plus in design freedom.



## MORE INSPIRATION

now with 200  
new trend colours

## VERSATILE COLOUR SYSTEM

1,825 perfectly  
coordinated colours

## DESIGN PERSUASIVELY, ADVISE SUCCESSFULLY

9 design tools for  
professional colour advice

## PROFESSIONAL KNOW-HOW IN COLOUR

4 design books – based on the  
RAL DESIGN SYSTEM *plus*

[www.raldesignplus.de](http://www.raldesignplus.de)

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The world's leading industrial colour collection

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The plus in design freedom

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# RAL CLASSIC

## THE WORLD'S LEADING INDUSTRIAL COLOUR COLLECTION

The RAL CLASSIC colour collection has for 90 years been indispensable in the clear communication of colours and a guarantee for obtaining exactly the same colours – worldwide.

### APPLICATION EXAMPLES

Steel sculpture by world famous sculptor Anish Kapoor and star architect Cecil Balmond is London's Olympic landmark. The ArcelorMittal Orbit glows in RAL 3003 Ruby Red.



Allmiljö – a leading premium brand manufacturer of high-quality kitchen furnishings – produces these kitchen models in RAL 1023 traffic yellow.



A design classic that is available in various colours. The picture shows a model in RAL 1004 Golden yellow.



Emergency exit signs have the colour RAL 6002 Leaf green.



Thonet produces the S 43 cantilever chair by Mart Stam in 11 RAL colours.



## RAL 840-HR

Primary standard with  
213 RAL CLASSIC colours

- ☑ Semi matt
- ☑ A5-sized 14.8 x 21.0 cm
- ☑ Colour illustration A6-sized 10.5 x 14.8 cm
- ☑ Binding colour samples for colour matching and quality control
- ☑ Including XYZ-values, colour distance from the original standard and reflectance curve
- ☑ Single cards available
- ☑ Inclusive protective box
- ☑ Box format 20 cm x 25.5 cm x 27 cm



## RAL 841-GL

Primary standard with  
196 RAL CLASSIC colours

- ☑ High gloss
- ☑ A5-sized 14.8 x 21.0 cm
- ☑ Colour illustration A6-sized 10.5 x 14.8 cm
- ☑ Binding colour samples for colour matching and quality control
- ☑ Including XYZ-values, colour distance from the original standard and reflectance curve
- ☑ Single cards available
- ☑ Inclusive protective box
- ☑ Box format 20 x 25.5 x 27 cm

## RAL K1

Booklet with  
213 RAL CLASSIC colours

- Booklet size 10.5 x 20.0 cm
- Colour illustration 5.2 x 1.5 cm
- Seven colours per page/  
14 colours at a glance
- Gloss



## RAL K1 INDIVIDUAL

Personalised company imprint

For further information:

- [ral-individual@ral-ggmbh.com](mailto:ral-individual@ral-ggmbh.com)







## RAL K5

Colour fan deck with  
213 RAL CLASSIC colours

- ❑ U-shaped protective cover
- ❑ Full-page colour illustration  
5.0 x 15.0 cm
- ❑ Well-suited for colour combinations  
and colour comparisons
- ❑ Semi matt or gloss
- ❑ In high quality protective cardboard  
packaging



## RAL K5 INDIVIDUAL

Personalised company imprint

For further information:

- ❑ [ral-individual@ral-ggmbh.com](mailto:ral-individual@ral-ggmbh.com)

## RAL K6

Ring binder with  
all 213 RAL CLASSIC colours

- A4-sized 21.0 x 29.7 cm
- Semi matt
- All 213 RAL CLASSIC colours  
available as single sheets



## RAL K7

Colour fan deck with  
213 RAL CLASSIC colours

- Fan deck size 5.0 x 15.0 cm
- Colour illustration 2.0 x 5.0 cm
- 5 colours per page
- Gloss
- In high quality protective cardboard  
packaging
- For quick colour comparisons  
and overviews







## RAL F9

Collection of German Bundeswehr camouflage colours

- ❑ A5-sized 14.8 x 21.0 cm, colour illustration A6-sized 10.5 x 14.8 cm
- ❑ Binding colour samples for colour matching and quality control
- ❑ With production and tolerance information from the German Bundeswehr



## RAL K7 INDIVIDUAL

Personalised company imprint

For further information:

- ❑ [ral-individual@ral-ggmbh.com](mailto:ral-individual@ral-ggmbh.com)

## RAL P1

The 100 most popular RAL CLASSIC colours as polypropylene colour plates in a protective case

- Binding colour sample for plastics in RAL CLASSIC colours
- Format 10.5 x 14.8 x 0.3 cm
- Three levels of thickness: 0.3 cm, 0.2 cm and 0.1 cm
- Three different surface textures: high gloss polished, VDI 24 and VDI 42
- Includes absolute values and colour distance from original plastic sample
- With reflectance curve
- Protective sleeve for each plastic plate



## RAL P1 SINGLE PLATES

100 RAL CLASSIC colours

- Binding colour sample for plastics in RAL CLASSIC colours
- Format 10.5 x 14.8 x 0.3 cm
- Three levels of thickness: 0.3 cm, 0.2 cm and 0.1 cm
- Three different surface textures: high gloss polished, VDI 24 and VDI 42
- Includes absolute values and colour distance from original plastic sample
- With reflectance curve
- Protective sleeve for each plastic plate



# RAL CLASSIC – Innovation and Reliability.

For more than 90 years.





# RAL DESIGN SYSTEM *plus*

## THE PLUS IN DESIGN FREEDOM

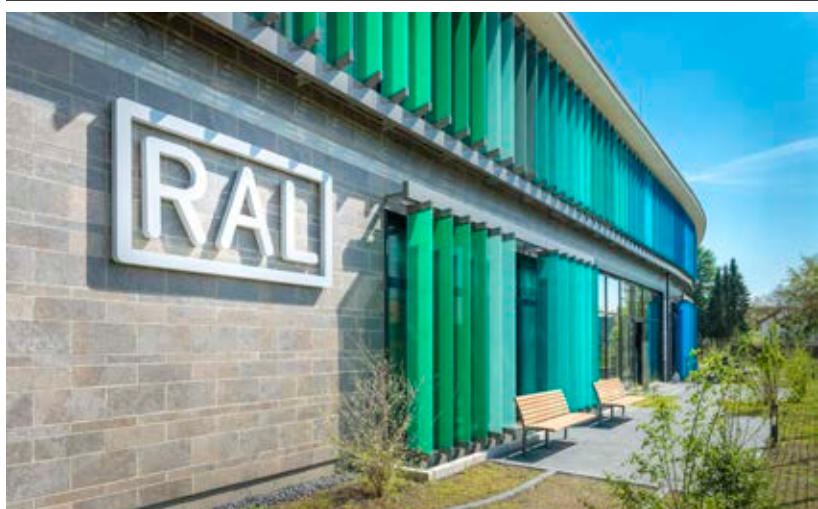
More design freedom for professional colour design –  
200 new imaginative trendy colours in new RAL DESIGN SYSTEM *plus*.

### APPLICATION EXAMPLES

BK Keramik – Central Saint Giles is the urban highlight in London's West End. For the façade designed by Renzo Piano, 140,000 ceramic elements were processed in six different colours: RAL 070 70 80, RAL 050 50 70, RAL 050 50 78, RAL 000 75 00, RAL 110 60 50 and RAL 7035 Light Grey.



The company LEICHT Küchen AG uses the colours from the RAL DESIGN SYSTEM *plus*.  
The colour Curcuma is RAL 070 60 60.



With its distinctive architecture and colours the RAL building has become a real feature in the Bonn region. It exudes what RAL stands for. Innovation & Tradition. This is visible in the awnings in RAL DESIGN SYSTEM *plus* colours.



## RAL D2

Colour fan deck with 1,825  
RAL DESIGN SYSTEM *plus* colours  
in protective box

- ❑ Fan deck size 29.0 x 5.0 cm
- ❑ 225 colour pages with a total of 1,825 shades
- ❑ Colour field size 2.5 x 5.0 cm
- ❑ Gloss level of colours semi matt
- ❑ Every shade with auxiliary designations in German
- ❑ Additional fan deck with auxiliary designations in EN, FR, RU, ZN
- ❑ Protective box covered with high quality, embossed glossy film



## RAL D2 INDIVIDUAL

Personalised company imprint

For further information:

- ❑ [ral-individual@ral-ggmbh.com](mailto:ral-individual@ral-ggmbh.com)



## RAL D3 COLOUR TOOLBOOK

Set with two ring binders, filled with removable colour chips in all 1,825 colour shades. Perfect for developing collages and colour communication

- Slipcase with two ring binders
- Format ring binder 38.2 x 45.0 cm
- Format slipcase 46.5 x 39.5 cm
- Content pages printed in 4-colours
- Colour chips in 4.0 x 3.5 cm format
- 3 removable chips per colour shade
- Colour chips printed on the rear with colour code and auxiliary designation in D / E
- Ring binder + slipcase covered with high quality, embossed glossy film
- With register to find specific colour shades quickly
- Gloss level of colour chips semi matt



## RAL D4

Colour atlas with all 1,825 RAL DESIGN SYSTEM *plus* shades.

### Representation per shade:

- Colours run from dark to light shades
- Simultaneous increasing saturation

- Slipcase with 1 ring binder
- Format ring binder 36.4 x 31.5 cm
- Format slipcase 37.7 x 32.6 cm
- Ring binder + slipcase covered with high quality, embossed glossy film
- 1,825 colour chips in 1.7 x 1.7 cm format
- Gloss level of colours semi matt
- With register to find specific colour shades quickly





# RAL DESIGN SYSTEM *plus* SINGLE SHEET

Colour samples of all  
RAL DESIGN SYSTEM *plus* colours



## DIN A6

- A6-sized 10.5 x 14.8 cm
- Semi matt

## DIN A4

- A4-sized 21.0 x 29.7 cm
- Semi matt
- Available as complete set in ring binders



## RAL D6

Box with 1,825 individual sheets

- Box Format 30 x 21 x 33 cm
- All 1,825 RAL DESIGN SYSTEM *plus* colour shades
- Clearly arranged according to the CIE Lab colour circle
- Colour sheets A6-sized 10.5 x 14.8 cm
- Perfect for developing colour collages and product design

## RAL D8

Design box with 8 colour fan decks

- ❑ Box format 28.0 x 11.5 x 6.5 cm
- ❑ CIE Lab colour circle on the inside cover
- ❑ 1,825 colours
- ❑ Fan deck size 3.2 x 10 cm
- ❑ Gloss level of colours semi matt
- ❑ Clearly arranged system
- ❑ 5 shades per colour fan deck
- ❑ Box covered with high quality, embossed glossy film



## RAL P2

200 RAL DESIGN SYSTEM *plus* polypropylene colour plates in two protective cases for innovative product and building design

- ❑ Binding colour sample for plastics in RAL DESIGN SYSTEM *plus* colours
- ❑ 160 opaque plates
- ❑ 40 transparent plates
- ❑ Format 10.5 x 14.8 x 0.3 cm
- ❑ Three levels of thickness: 0.3 cm, 0.2 cm and 0.1 cm
- ❑ Three different surface textures: high gloss polished, VDI 24, VDI 42
- ❑ Includes absolute values and colour distance from original plastic sample
- ❑ With reflectance curve
- ❑ Protective sleeve for each plastic plate





## RAL P1 + P2 SET

All 300 RAL PLASTICS colours in three protective cases

## RAL P2 SINGLE PLATES

200 RAL DESIGN SYSTEM *plus* colours as plastic sample

RAL P1 + P2 SET | P2 SINGLE PLATES



- ❑ Binding colour sample for plastics in RAL DESIGN SYSTEM *plus* colours
- ❑ Format 10.5 x 14.8 x 0.3 cm
- ❑ Three levels of thickness: 0.3 cm, 0.2 cm and 0.1 cm
- ❑ Three different surface textures: high gloss polished, VDI 24 and VDI 42
- ❑ Includes absolute values and colour distance from original plastic sample
- ❑ With reflectance curve
- ❑ Protective sleeve for each plastic plate

# COLOURS FOR MIND, BODY & SOUL

Colour psychology in practice

- Hard cover 2018 edition
- 24 adjectives from the fields of well-being, health and recuperation
- Coded in RAL DESIGN SYSTEM *plus*
- Scientifically researched
- 320 pages filled with inspirations for design in practice
- 760 colour illustrations
- With draft template to develop your own colour collections
- Bilingual: German / English
- Available in a bundle with colour fan decks
- Fan deck size: 8.7 x 19.7 cm semi matt



The book is also available in a bundle with a colour fan deck which includes the main shades related to the fields of well-being, health and recuperation. The 120 shades, also in the form of removable colour chips, represent the result of a scientific study which was translated into the colour language of the RAL DESIGN SYSTEM *plus*.



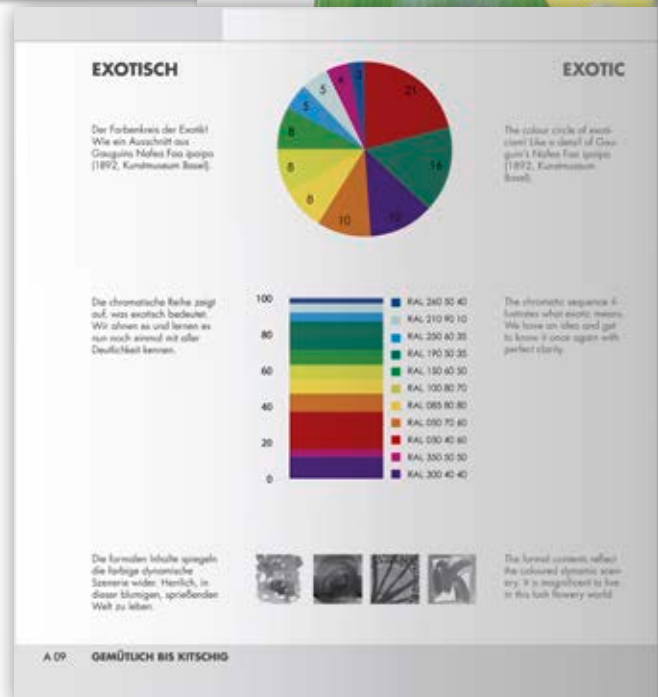
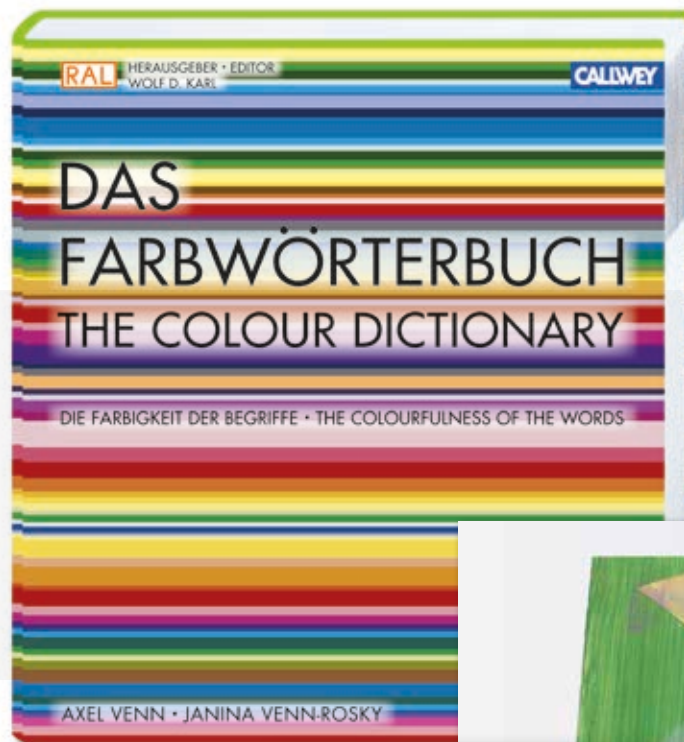




# THE COLOUR DICTIONARY

The reference work for interior design, advertising, design and teaching

- 360 adjectives and their translation into colour compositions
- Displayed in RAL DESIGN SYSTEM *plus* colours
- 864 pages
- Approx. 20,000 illustrations
- Format: 24 x 26 cm, hard cover
- Bilingual: German / English
- Including a large poster



360 adjectives and their translation into colour compositions.

Envy is green, love is red... We all know the typical colour associations, but can a term really be expressed by one colour alone?

This volume adds a new dimension to the familiar rules of colour theory. Over 60 subjects produced mood boards for 360 adjectives for this purpose and then the author assigned them to their corresponding RAL DESIGN SYSTEM *plus* colours.

42 expressive collages for selected concepts clarify the effects of the colours when they are used in practice.



## THE COLOUR DICTIONARY



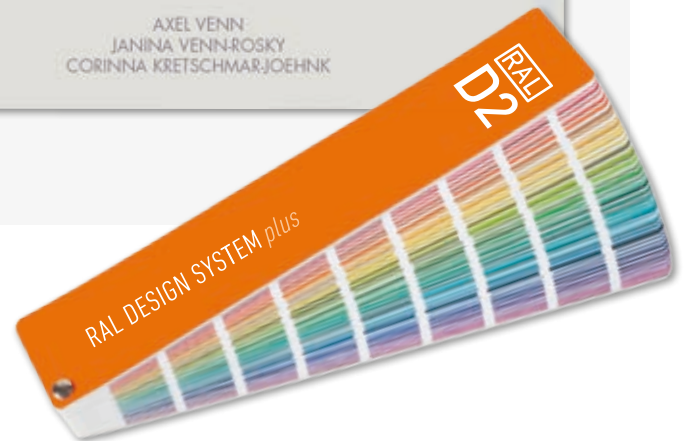
# COLOURS FOR HOTELS

The planning manual for designers  
in the hotel sector

- Adjectives with hotel reference,  
expressed in colour combinations
- Displayed in RAL DESIGN SYSTEM  
*plus* colours
- 416 pages
- Format: 24 x 26 cm, hard cover
- Bilingual: German / English
- With practically relevant design  
examples in hotels
- Template for colour combinations



German  
Design Award  
WINNER 2015



Hotels want to be places of comfort and relaxation for their guests. Sincere hospitality and first class service are a part of this. An appealing hotel ambience in the right professional colour combination provides a warm welcome and a comforting atmosphere. For these purposes, RAL has become the publisher of the book COLOURS FOR HOTELS. The team of authors Corinna Kretschmar-Joehnk, interior designer (Jol Design), and Axel Venn, colour scientist, have written this unique and scientifically-based reference book for colour design and a high quality hotel ambience. The colours from the RAL DESIGN SYSTEM *plus* serve as a creative basis.

bringen eine Botschaft, die tatsächlich mehr  
Wirkung jedoch eine optimistischere  
persönliche Seite haben kann. An anderer  
Stelle ist zu sehen, dass man auch eine

**M**an kann unmittelbar mit bedauern. Sie finden wir dort jenen Raum, der uns als Verlust gibt, als und zu dem schönen Traum vom Aufsteigsweltlichen in menschlichen. Denn eine Menge nicht notwendigen Raum ist uns heute zu haben, gehört zur schönen Welt des Überflusses.



**H**ierzu sollen weitere Indikatoren sich jedoch an einer höheren Marke und Wichtigkeit bewegen. Die Chinesen tragen Parapet, die Australier die Umkleekabine auf kleinen Grund, die Amerikaner einen kleinen Garten und den Indischen ein Bad aus Holz, und die Österreicher ein Bad aus Stein.

[illegible]

Heatmap showing the relative abundance of 10 bacterial taxa across 10 samples. The taxa are listed on the right: B.A1.079.04, B.A2.080.04, B.A3.080.75, B.A4.082.04, B.A5.083.04, B.A6.083.04, B.A7.083.04, B.A8.083.04, B.A9.083.04, and B.A10.083.04. The samples are numbered 1 to 10 on the left. The color scale ranges from 0.00 (yellow) to 1.00 (dark red).



This is what nature would  
expect us all to do after  
the flood. One reason there  
is no flood yet is it  
isn't raining hard enough  
at nearly anywhere at

Dull black, white and pink and brown are more heavy. Lustrous deposits are glaucous and not necessarily on bright glaucous lustrous lustrous dots and all by 2200 gold but not covered by golden-brown and glaucous deposits.

1.9

# RAL COLOUR FEELING 2016+

The colour trend book for  
everyone dealing with trends.

- Four major colour trends: Immersive Experience, Exotic Movement, Man & Machine and Authentic Order
- Numerous examples of colour combinations
- Inspiring images and informative texts together with practical application examples
- Full-page coated swatch book 8.0 x 12.6 cm with all 32 trend colours
- 68 pages, 25.0 x 29.0 cm
- Book & Swatch book in a practical plastic slip case 28.0 x 32.0 cm
- Bilingual: German / English



RAL COLOUR FEELING 2016+ contains inspiring design tips and pioneering application examples. Four trends with eight colours each show which colourful direction mainly architects, designers, interior architects and interior designers, but also everyone else, will be going in from 2016. The 32 colours are taken from the colour collections RAL CLASSIC and RAL EFFECT as well as the RAL DESIGN SYSTEM *plus*.





# RAL EFFECT

## THE INNOVATIVE EFFECT COLOURS

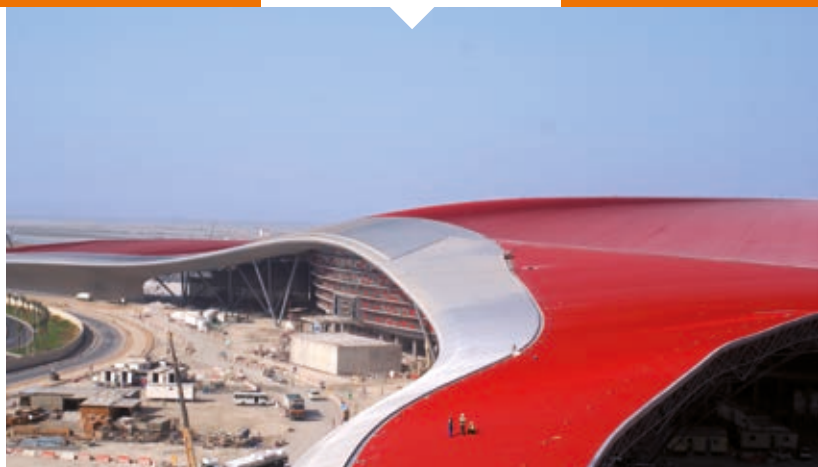
As a particular highlight, the RAL EFFECT colour collection contains 70 metallic colours that harmonise with the remaining 420 solid colours.

### APPLICATION EXAMPLES

Miele – The geometry of the designer range hoods in the DA 7000 line is orientated on the ellipse. As a purpose-built variant, the top and bottom surfaces can be powder-coated in many RAL colours.



Roundboard is a small storage hotspot. For the coating of this piece of furniture, only RAL colours are applied, for example the RAL EFFECT colour shades RAL 120-2 (PAPER), RAL 690-1 (AZURE) and RAL 690-5 (PETROL).



Ferrari World Abu Dhabi – One of the largest metal roofs in the world was coated in RAL 9006.



Müller Möbelfabrikanten Mobile Line – Hand-crafted designer furniture made of metal, available in many RAL colours.



## RAL E1

Primary standards of all 490  
RAL EFFECT colours in a protective case

RAL E1



- ❑ Box format 49.0 x 26.0 x 17.5 cm
- ❑ 420 solid colours and 70 metallic colours
- ❑ Based on water-borne paint system
- ❑ A6-sized 10.5 x 14.8 cm
- ❑ Colour illustration 10.5 x 13.8 cm
- ❑ Binding colour samples for colour matching and quality control
- ❑ Solid colours semi matt
- ❑ Metallic colours high gloss

## RAL E3

Colour fan deck with 490 RAL EFFECT colours

- 420 solid colours and 70 metallic colours
- Each page displays the metallic colour that harmonises with the six solid colours
- Solid colours based on water-borne paint system, metallic colours based on acrylic paint system
- Colour fan deck size 5.0 x 21.0 cm
- Solid colours 5.0 x 2.0 cm, metallic colours 5.0 x 3.8 cm
- Solid colours semi matt
- Metallic colours high gloss
- Also available with personalized company print
- [ral-individual@ral-ggmbh.com](mailto:ral-individual@ral-ggmbh.com)



## RAL E4

Colour fan deck with 70 Metallic RAL EFFECT colours

- Full-page colour illustration 5.0 x 13.0 cm
- High gloss
- Also available with personalised company print
- [ral-individual@ral-ggmbh.com](mailto:ral-individual@ral-ggmbh.com)



## RAL EFFECT SINGLE SHEET

Colour samples of all  
490 RAL EFFECT colours

- 420 solid colours and  
70 metallic colours
- Solid colours semi matt,  
metallic colours high gloss
- A6-sized 10.5 x 14.8 cm



# COLOUR MASTER

The inspiring, interactive design book with endless possibilities for creative people

Book with RAL EFFECT E3 fan deck

- 328 pages of colourfulness in shapes, patterns and pictures
- 12 colour templates
- Encoded in RAL EFFECT colours
- Format: 32.6 x 29.6 cm, hard cover
- Bilingual: German / English
- Every single page of the book represents an individual experimental field for endless possibilities
- Fundamental information about colour perception and various colour perception

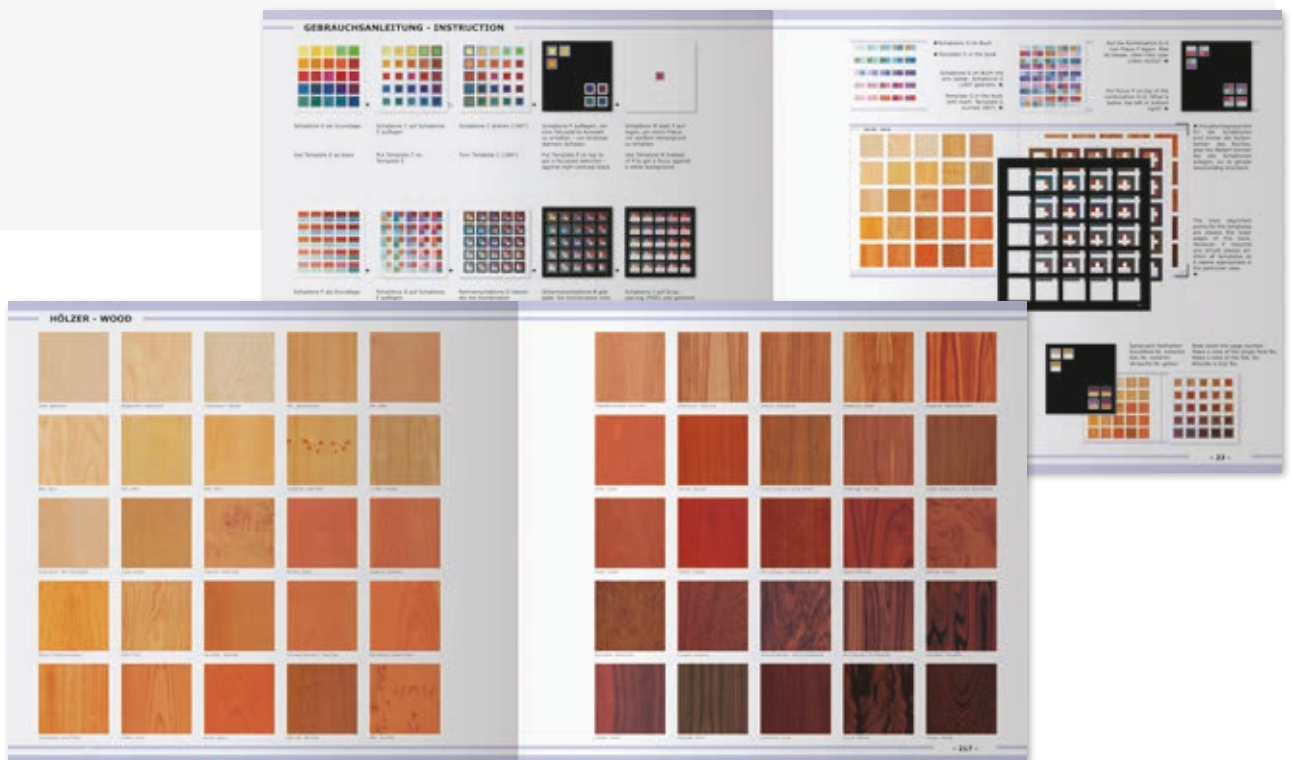


On 328 pages, the book provides inspiration with different shapes and patterns for designers, architects, artists and other creative people. It is an experimental tool, filled with endless design opportunities. COLOUR MASTER provides colour and material images in front of graphical, scenic and art historical backgrounds.

At the same time, it shows colours and shapes of the past and the future, such as the latest wallpaper art collections from contemporary designers, historical ornaments and décors, colours from fashion, sports, electronics, technology, music, but also colours of health and care, fabrics, woods, stones and surface products from interior construction and from surface design, also for the luxury sector.



COLOUR MASTER



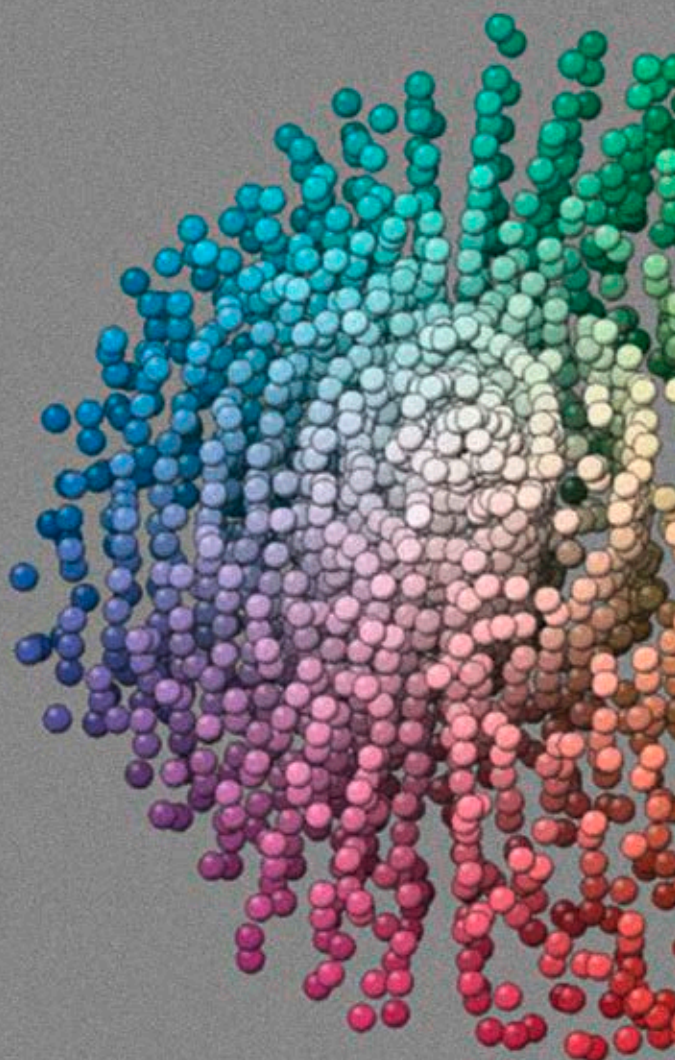


# RAL DIGITAL

## RAL COLOURS FOR THE COMPUTER

RAL DIGITAL products also open up the digital world of colours. The RAL DIGITAL 5.01 software contains all 2,528 RAL colours and allows you to navigate through the entire colour spectrum. All RAL colours can be exported and integrated into many well-known graphics and CAD programs.

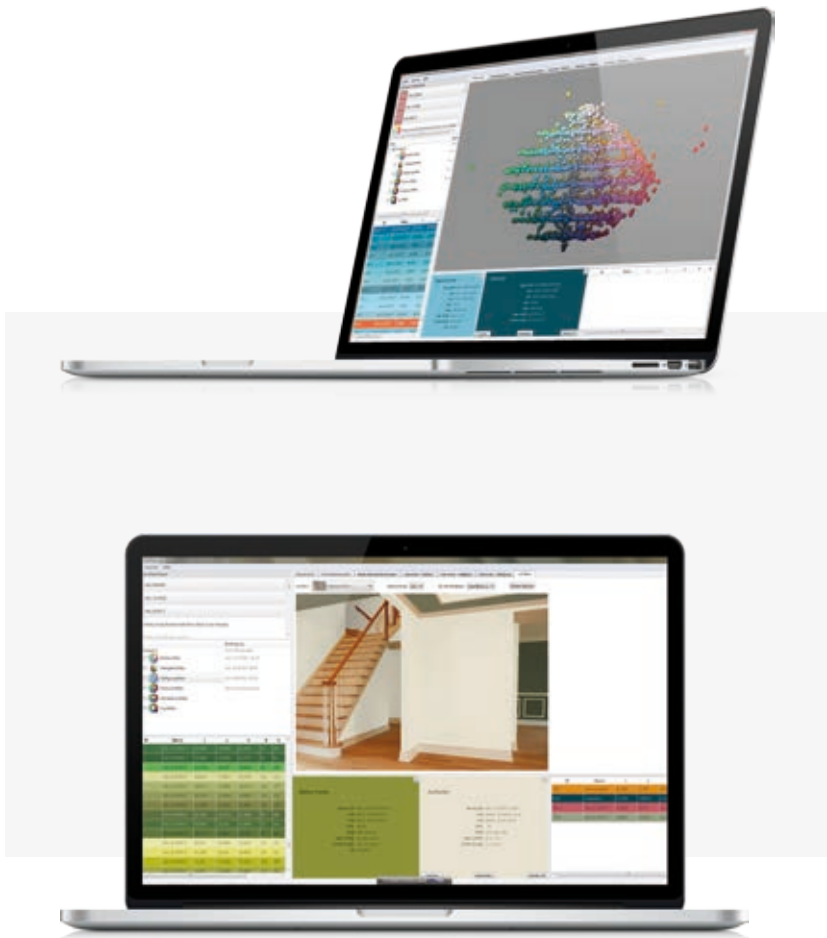
The 3D colour space shows different colour palettes.



RAL DIGITAL 5.01 enables you to try out colours on images and 3D objects under different lighting conditions, as well as to colour your own images.

RAL E1 EFFECT	60,7254	-11,5464	34,0495	142	152
RAL E1 EFFECT	51,6549	-9,20632	32,2807	122	127
RAL E1 EFFECT	43,5657	-14,7751	25,3688	89	109
RAL E1 EFFECT	42,6982	-21,761	27,4859	74	110
RAL E1 EFFECT	46,0118	-16,6672	29,8187	93	116
RAL E1 EFFECT	90,624	-6,93984	32,9131	233	231
RAL E1 EFFECT	87,2065	-10,341	54,6095	225	223
RAL E1 EFFECT	72,756	-13,0308	75,1055	183	184

The RAL DIGITAL 5.01 software contains all 2,528 RAL colours.



Software for designers, architects, interior designers and anyone else who works creatively and professionally with colours. RAL DIGITAL enables:

- Navigation through the entire colour spectrum and the RAL colour space scale
- The perfect colour tone and harmonious colour combinations to be identified based on many different criteria and specifications
- The innovative depiction of colours in a movable 3D colour space
- The editing of image files: Your own images can be coloured, while colours from images can be analysed and recorded
- An image or colour to be viewed in different types of lighting thanks to the new, innovative light box

FROM NOVEMBER 2018

## RAL DIGITAL

VERSION 5.01

Software with all 2,528 RAL colours for **Win or Mac**

- Contains RGB, HEX, CMYK, LAB, HLC and lightness values for all RAL colours
- Shows inspirational colour harmony recommendations based on monochromatic, adjacent, analogous and complimentary combinations
- Colour search: Find RAL colours based on matches to current commonly used collections or compared to colorimetric values
- Generate and store or export your own colour data for integration into many design and CAD programs, or simple text format for document or spreadsheet analysis

**RAL colour palettes can be imported from the following programs among others:**

- AutoCAD Colour Book (\*.acb)
- Chromalyzer v1.x (\*.txt)
- Corel (\*.cpl)
- Excel (\*.csv)
- Illustrator (\*.ase)
- Palette Image (\*.png)
- Jpeg Format (\*.jpg)
- Photoshop (\*.aco)
- Windows Bitmap (\*.bmp)
- Vector Works [RGB] (\*.xml)
- Quark XPress (\*.qcl)
- Nemetscheck (\*.pal)

You can find a complete list at  
[www.ral-colours.com](http://www.ral-colours.com)

# RAL COLORCATCH NANO

Colorimeter

- Features an integrated calibration system
- Magnifies an image six times and measures the colour from just a few pixels
- Shadows or dirt particles are eliminated during measurement
- Indicates RGB, Lab and CMYK as well as the reflectance values of most selected colour fan decks
- Additional colour collections can be purchased from within the app
- Contains all 2,528 colours

**\*RAL COLORCATCH NANO works together with:**

- RAL iCOLOURS
- Download from the Apple Store (€ 8.99)
- Download Google Play (€ 9.99)



reddot design award  
winner 2017



Design  
Intelligence  
Award  
中国设计智造大奖



The colorimeter RAL COLORCATCH NANO measures up to five colours at the same time, regardless of surface and material, and finds the corresponding RAL colour shade. The shade is shown with digital colour values and - using the app RAL iCOLOURS\* - can be applied to an object directly and sent via email. During the colour measurement all non-dominating colour shades, shadows or dirt particles are eliminated automatically.



## RAL iCOLOURS

The app with all RAL colours for  
**iOS**- and **Android** devices

- Contains all 2,528 RAL colours (from September 2018)
- As well as the corresponding LAB, sRGB, CMYK and LRV values



Should the building façade be Lemon Yellow or Sun Yellow? Strawberry Red in the living room? RAL iCOLOURS will show you what it looks like. With the app for iOS and Android devices, you can quickly and easily colour your photos in any RAL colour.

See everything in a new colour with RAL iCOLOURS in three simple steps:

- Photograph an object
- Select the colour range RAL CLASSIC, RAL DESIGN SYSTEM *plus* or RAL EFFECT
- Transfer the selected colour shades into the photo



# RAL ACADEMY

## TRAINING AND DEVELOPMENT FOR COLOUR DESIGNERS

The seminars at the RAL ACADEMY on the subject of colour and colour design are aimed at all professional groups from the areas of architecture, design and trade who want to expand their knowledge of colour and be perceived by their customers as experts in this field.

Colour psychology and colour physiology.



Colour strategies and application.



Well-being and design: What effect colours have and why.



Colour trends and environments: Trend marketing





## RAL ACADEMY

- Training and development for professional colour users
- Workshops & seminars as well as shop and studio talks
- Getting to know and using RAL products
- Insights into colour design, theory & practical exercises
- Top-class speakers and course instructors

Specialists in colour design always keep their expertise up to date. RAL COLOURS is supporting them in this and connects modern scientific knowledge with long-term experience in training and development of colour designers at a very high level.

Through the close partnership with the Bergische Universität Wuppertal, Germany and the "Haus der Farbe" in Zurich, Switzerland, professional colour users are provided with the latest knowledge and benefit from decades of practical experience in theoretical and practical training about topics such as colour and light.

The courses range from one-day workshops and seminars to two-day workshops and shop and studio talks. Participants not only get to know and learn how to use the diverse world of RAL products but also gain profound insights into the world of colour design and connections between light and colour.

With the RAL ACADEMY events, the colour and design expertise of the participants will be expanded. At the same time, the academy will establish connections between different professional groups dealing with the topics of colour and colour design.

Further information about the topic of training and development at RAL COLOURS can be found at [www.ral-akademie.de](http://www.ral-akademie.de).

# RAL COLOURS WORLDWIDE



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### FINLAND

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#### **RAL ACADEMY** High quality communication of knowledge

At our seminars, workshops, presentations and talks, we pass on our specialist knowledge to interested parties and a variety of occupational groups. Further high quality training of colour designers is a key focus of the RAL ACADEMY.

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