RAL COLOUR PALETTES - OVERVIEW

	RAL CLASSIC	RAL DESIGN SYSTEM *plus*	RAL EFFECT
Number of shades	216 excl. 11 camouflage colours	1.825	490
Shade specifics	193 solid colours, 1 micaceous iron colour, 1 metallic colour, 6 daylight luminous colours , 15 pearlescent colours	1.825 solid colours	420 solid colours 70 metallic colours
Classification	Colour collection	Colour system: Orientation towards the CIELab system	Colour collection
Structure	9 hue rows	39 rows of hues sorted by colour wheel; fine gradations in brightness and chromaticity	70 colour families with 6 harmonious solid colours and one matching metallic shade each
RAL Code	4-digit; the first digit indicates the colour hue Ex.: RAL 3024 Luminous red	7-digit; first 3 digits: hue (position in the colour wheel); digits 4 and 5: lightness (0=black and 100=white); digits 6 and 7: chromaticity (0=grey and 100=pure chromaticity) Ex.: RAL 010 80 15 Ice hot pink	4-digit with hyphen between the 3rd and 4th digit; for metallic shades an M instead of the 4th digit Ex.: RAL 110-1 RAL 110-M
Colour names	Yes	Yes	No
Overlaps with other colour palettes?	100 shades can also be found in RAL EFFECT	No	100 shades can also be found in RAL CLASSIC
Fields of application	Especially in Craft, (Interior-) Architecture, Industrial Design and public affairs.	Especially in Interior Design, Interior Architecture, Product Design, Graphics and Colour Design	Especially in Industrial and Product Design

RAL COLOURS

PRODUCT RANGE

	RAL CLASSIC	RAL DESIGN SYSTEM *plus*	RAL EFFECT
Product name	All colour samples of the **RAL CLASSIC** colour palette are marked with a **K**	All colour samples of the **RAL DESIGN SYSTEM *plus*** colour palette are marked with a **D**	All colour samples of the **RAL EFFECT** colour palette are marked with an **E**
Colour fans	RAL K5 (semi-matt or gloss), RAL K7	RAL D2, RAL D8, Colours for Body, Mind & Soul	RAL E3, RAL E4
RAL INDIVIDUAL (personalised fans)	RAL K5 (semi-matt or gloss), RAL K7	RAL D2	RAL E3, RAL E4
Single sheets	RAL K4 (DIN A4), RAL K6 (DIN A6)	RAL D4 (DIN A4), RAL D6 (DIN A6), RAL D3 Single colour chips	RAL E6 (DIN A6)
Single sheet sets	RAL K4 Ring binder (DIN A4), RAL K6 Box (DIN A6)	RAL D4 Single sheet set (DIN A4), RAL D6 Design box (DIN A6), RAL Supplementary set	No
Colour register (binding colour template with technical colour values)	RAL 840-HR (semi-matt with 216 colours), RAL 841-GL (high gloss with 199 colours)	No; on request, the RAL Single sheets can be colourimetrically measured for an additional charge	RAL E1
Camouflage colours (binding colour template with technical colour values)	RAL F9 colour register card	No	No
Plastic colour samples (including three different surface types)	Yes, the100 most requested shades; RAL P1 as single samples	Yes, 160 selected shades; of which 160 opaque and additionally 40 transparent samples ; 200 samples in total; RAL P2 as single samples	No
Plastic colour sample sets	RAL P1 Plastic sample set (also as a set with P2)	RAL P2 Plastic sample set (also as a set with P1)	No
Books	No	Colours for Body, Mind & Soul	No
Design tools	No more	RAL D3 Colour toolbook, RAL D4 Colour atlas, RAL Starter-Kit Design box	No more
Trend products	No	RAL Trendbox, RAL Trend colour set A6, RAL Trend colour set A4	No
Digital Colour measurement tool	RAL COLOR READER	RAL COLOR READER	RAL COLOR READER
Digital colour values	RAL Digital colour libraries	RAL Digital colour libraries	RAL Digital colour libraries