

Cosmos Sublimation Color Chart

Free independent print-and-press reference | Print at 100% / Actual Size

USE THIS AS A TEST CHART

Print with your normal production settings, press onto a compatible sublimation substrate, then choose colors from the pressed result. Do not judge color from the monitor or transfer paper alone.

C01 True Red #FF0000 RGB 255,0,0 CMYK 0/100/100/0 ref.	C02 Deep Red #C62828 RGB 198,40,40 CMYK 0/80/80/22 ref.	C03 Warm Red #E53935 RGB 229,57,53 CMYK 0/75/77/10 ref.	C04 Coral #FF6B6B RGB 255,107,107 CMYK 0/58/58/0 ref.	C05 Orange Red #FF7043 RGB 255,112,67 CMYK 0/56/74/0 ref.	C06 Orange #FF8A00 RGB 255,138,0 CMYK 0/46/100/0 ref.
C07 Amber #FFB300 RGB 255,179,0 CMYK 0/30/100/0 ref.	C08 Bright Yellow #FFD600 RGB 255,214,0 CMYK 0/16/100/0 ref.	C09 Soft Yellow #FFF176 RGB 255,241,118 CMYK 0/5/54/0 ref.	C10 Golden Yellow #FDD835 RGB 253,216,53 CMYK 0/15/79/1 ref.	C11 Lime #AEEA00 RGB 174,234,0 CMYK 26/0/100/8 ref.	C12 Leaf Green #7CB342 RGB 124,179,66 CMYK 31/0/63/30 ref.
C13 Green #43A047 RGB 67,160,71 CMYK 58/0/56/37 ref.	C14 Teal #00897B RGB 0,137,123 CMYK 100/0/10/46 ref.	C15 Cyan Teal #00ACC1 RGB 0,172,193 CMYK 100/11/0/24 ref.	C16 Cyan #00BCD4 RGB 0,188,212 CMYK 100/11/0/17 ref.	C17 Sky Blue #039BE5 RGB 3,155,229 CMYK 99/32/0/10 ref.	C18 Blue #1E88E5 RGB 30,136,229 CMYK 87/41/0/10 ref.
C19 Deep Blue #0D47A1 RGB 13,71,161 CMYK 92/56/0/37 ref.	C20 Indigo #3F51B5 RGB 63,81,181 CMYK 65/55/0/29 ref.	C21 Violet #5E35B1 RGB 94,53,177 CMYK 47/70/0/31 ref.	C22 Purple #8E24AA RGB 142,36,170 CMYK 16/79/0/33 ref.	C23 Orchid #AB47BC RGB 171,71,188 CMYK 9/62/0/26 ref.	C24 Magenta #D81B60 RGB 216,27,96 CMYK 0/88/56/15 ref.
C25 Pink #EC407A RGB 236,64,122 CMYK 0/73/48/7 ref.	C26 Light Pink #F48FB1 RGB 244,143,177 CMYK 0/41/27/4 ref.	C27 Brown #795548 RGB 121,85,72 CMYK 0/30/40/53 ref.	C28 Dark Brown #5D4037 RGB 93,64,55 CMYK 0/31/41/64 ref.	C29 Taupe #A1887F RGB 161,136,127 CMYK 0/16/21/37 ref.	C30 Warm Neutral #BCAAA4 RGB 188,170,164 CMYK 0/10/13/26 ref.
C31 Cream #F5E6D3 RGB 245,230,211 CMYK 0/6/14/4 ref.	C32 Light Gray #E0E0E0 RGB 224,224,224 CMYK 0/0/0/12 ref.	C33 Mid Gray #9E9E9E RGB 158,158,158 CMYK 0/0/0/38 ref.	C34 Dark Gray #616161 RGB 97,97,97 CMYK 0/0/0/62 ref.	C35 Near Black #212121 RGB 33,33,33 CMYK 0/0/0/87 ref.	C36 Black #000000 RGB 0,0,0 CMYK 0/0/0/100 ref.
C37 White #FFFFFF RGB 255,255,255 CMYK 0/0/0/0 ref.	C38 Off White #F5F5F5 RGB 245,245,245 CMYK 0/0/0/4 ref.	C39 Peach Cream #FFF3E0 RGB 255,243,224 CMYK 0/5/12/0 ref.	C40 Peach #FFCCBC RGB 255,204,188 CMYK 0/20/26/0 ref.	C41 Beige #D7CCC8 RGB 215,204,200 CMYK 0/5/7/16 ref.	C42 Cool Gray #B0BEC5 RGB 176,190,197 CMYK 11/4/0/23 ref.

Cosmos Color Diagnostics

Expanded reds, grayscale, and black tests

Expanded Red / Pink Range

Use the pressed swatch ID when a design red shifts orange, pink, brown, or too warm.

R01

Bright Red

#FF0000 RGB 255,0,0

CMYK 0/100/100/0 ref.

R02

Clean Red

#F50000 RGB 245,0,0

CMYK 0/100/100/4 ref.

R03

Scarlet

#E60012 RGB 230,0,18

CMYK 0/100/92/10 ref.

R04

Strong Red

#D50000 RGB 213,0,0

CMYK 0/100/100/16 ref.

R05

Deep Crimson

#C4001D RGB 196,0,29

CMYK 0/100/85/23 ref.

R06

Dark Crimson

#B00020 RGB 176,0,32

CMYK 0/100/82/31 ref.

R07

Vivid Red

#FF1744 RGB 255,23,68

CMYK 0/91/73/0 ref.

R08

Warm Red

#FF3B30 RGB 255,59,48

CMYK 0/77/81/0 ref.

R09

Soft Red

#FF5252 RGB 255,82,82

CMYK 0/68/68/0 ref.

R10

Coral Red

#FF6B6B RGB 255,107,107

CMYK 0/58/58/0 ref.

R11

Brick Red

#E53935 RGB 229,57,53

CMYK 0/75/77/10 ref.

R12

Deep Warm Red

#D32F2F RGB 211,47,47

CMYK 0/78/78/17 ref.

R13

Dark Red

#C62828 RGB 198,40,40

CMYK 0/80/80/22 ref.

R14

Very Dark Red

#B71C1C RGB 183,28,28

CMYK 0/85/85/28 ref.

R15

Berry Red

#A4133C RGB 164,19,60

CMYK 0/88/63/36 ref.

R16

Burgundy

#800020 RGB 128,0,32

CMYK 0/100/75/50 ref.

R17

Orange Red

#FF4F00 RGB 255,79,0

CMYK 0/69/100/0 ref.

R18

Red Orange

#FF4500 RGB 255,69,0

CMYK 0/73/100/0 ref.

P01

Hot Pink

#FF2D55 RGB 255,45,85

CMYK 0/82/67/0 ref.

P02

Pink Magenta

#E91E63 RGB 233,30,99

CMYK 0/87/58/9 ref.

P03

Magenta Pink

#D81B60 RGB 216,27,96

CMYK 0/88/56/15 ref.

P04

Deep Pink

#C2185B RGB 194,24,91

CMYK 0/88/53/24 ref.

P05

Dark Pink

#AD1457 RGB 173,20,87

CMYK 0/88/50/32 ref.

P06

Wine Pink

#880E4F RGB 136,14,79

CMYK 0/90/42/47 ref.

Neutral Gray Ladder

A repeated blue, green, or warm cast across several steps suggests a system-wide color issue.

K5

5% black

K10

10% black

K20

20% black

K30

30% black

K40

40% black

K50

50% black

K60

60% black

K70

70% black

K80

80% black

K90

90% black

Black / Near-Black Variants

K01

Pure Black

#000000 RGB 0,0,0

K02

Soft Black

#111111 RGB 17,17,17

K03

Neutral Dark

#1A1A1A RGB 26,26,26

K04

Cool Black

#141E30 RGB 20,30,48

K05

Warm Black

#211A1A RGB 33,26,26

K06

Blue Black

#1B1B24 RGB 27,27,36

K07

Purple Black

#201A23 RGB 32,26,35

K08

Green Black

#1F2321 RGB 31,35,33

CONTROLLED TESTING RULE

If you change settings, change one variable at a time and record the new swatch result.

Cosmos Color Diagnostics

Blue, green, and purple range + quick troubleshooting

Blue, Green & Purple Range

Compare neighboring pressed swatches before changing your entire ICC or printer color workflow.

B01 Electric Blue #0057FF RGB 0,87,255 CMYK 100/66/0/0 ref.	B02 Clean Blue #0066CC RGB 0,102,204 CMYK 100/50/0/20 ref.	B03 Strong Blue #0077CC RGB 0,119,204 CMYK 100/42/0/20 ref.	B04 Bright Blue #008CFF RGB 0,140,255 CMYK 100/45/0/0 ref.
B05 Sky Cyan #00A3FF RGB 0,163,255 CMYK 100/36/0/0 ref.	B06 Cyan Blue #00B8D4 RGB 0,184,212 CMYK 100/13/0/17 ref.	B07 Deep Navy #003B73 RGB 0,59,115 CMYK 100/49/0/55 ref.	B08 Indigo Blue #1A237E RGB 26,35,126 CMYK 79/72/0/51 ref.
G01 Emerald #00A651 RGB 0,166,81 CMYK 100/0/51/35 ref.	G02 Clean Green #00B050 RGB 0,176,80 CMYK 100/0/55/31 ref.	G03 Vivid Green #00C853 RGB 0,200,83 CMYK 100/0/59/22 ref.	G04 Forest Green #2E7D32 RGB 46,125,50 CMYK 63/0/60/51 ref.
G05 Leaf Green #43A047 RGB 67,160,71 CMYK 58/0/56/37 ref.	G06 Soft Green #66BB6A RGB 102,187,106 CMYK 45/0/43/27 ref.	G07 Teal Green #00897B RGB 0,137,123 CMYK 100/0/10/46 ref.	G08 Deep Teal #00695C RGB 0,105,92 CMYK 100/0/12/59 ref.
V01 Deep Purple #6A1B9A RGB 106,27,154 CMYK 31/82/0/40 ref.	V02 Purple #7B1FA2 RGB 123,31,162 CMYK 24/81/0/36 ref.	V03 Vivid Purple #8E24AA RGB 142,36,170 CMYK 16/79/0/33 ref.	V04 Bright Purple #9C27B0 RGB 156,39,176 CMYK 11/78/0/31 ref.
V05 Blue Violet #673AB7 RGB 103,58,183 CMYK 44/68/0/28 ref.	V06 Violet #5E35B1 RGB 94,53,177 CMYK 47/70/0/31 ref.	V07 Deep Violet #512DA8 RGB 81,45,168 CMYK 52/73/0/34 ref.	V08 Indigo Violet #4527A0 RGB 69,39,160 CMYK 57/76/0/37 ref.

Quick diagnostic

- | | |
|---------------------------------------|---|
| • Transfer looks dull before pressing | Press it first; sublimation color develops under heat. |
| • One color is wrong | Use neighboring pressed swatches before changing the whole system. |
| • All colors share a cast | Check nozzle pattern, profile/color management, paper/media setting, and ink setup. |
| • Banding or missing lines | Fix printer health before making color corrections. |