

5 The PostScript color selection scheme

POSTSCRIPT provides 64 standard colors. All these colors are pre-defined in the `color.sty`. Each color has a pictorial name such as `Bittersweet` and a distinct composition, e.g. 0% cyan + 75% magenta + 100% yellow + 24% black—the so-called CMYK scheme. `TeXshade` enhances this color scheme by gray scales in 5% steps. The following colors and grays can be used in `TeXshade` by simply declaring the name of the color in the respective command, e.g. `\consensuscolors`:

<i>name</i>	<i>CMYK</i>	<i>name</i>	<i>CMYK</i>
● GreenYellow	0.15,0,0.69,0	● Yellow	0,0,1,0
● Goldenrod	0,0.10,0.84,0	● Dandelion	0,0.29,0.84,0
● Apricot	0,0.32,0.52,0	● Peach	0,0.50,0.70,0
● Melon	0,0.46,0.50,0	● YellowOrange	0,0.42,1,0
● Orange	0,0.61,0.87,0	● BurntOrange	0,0.51,1,0
● Bittersweet	0,0.75,1,0.24	● RedOrange	0,0.77,0.87,0
● Mahagony	0,0.85,0.87,0.35	● Maroon	0,0.87,0.68,0.32
● BrickRed	0,0.89,0.94,0.28	● Red	0,1,1,0
● OrangeRed	0,1,0.50,0	● RubineRed	0,1,0.13,0
● WildStrawberry	0,0.96,0.39,0	● Salmon	0,0.53,0.38,0
● CarnationPink	0,0.63,0,0	● Magenta	0,1,0,0
● VioletRed	0,0.81,0,0	● Rhodamine	0,0.82,0,0
● Mulberry	0.34,0.90,0,0.02	● RedViolet	0.07,0.90,0,0.34
● Fuchsia	0.47,0.91,0,0.08	● Lavender	0,0.48,0,0
● Thistle	0.12,0.59,0,0	● Orchid	0.32,0.64,0,0
● DarkOrchid	0.40,0.80,0.20,0	● Purple	0.45,0.86,0,0
● Plum	0.50,1,0,0	● Violet	0.79,0.88,0,0
● RoyalPurple	0.75,0.90,0,0	● BlueViolet	0.86,0.91,0,0.04
● Periwinkle	0.57,0.55,0,0	● CadetBlue	0.62,0.57,0.23,0
● CornflowerBlue	0.65,0.13,0,0	● MidnightBlue	0.98,0.13,0,0.43
● NavyBlue	0.94,0.54,0,0	● RoyalBlue	1,0.50,0,0
● Blue	1,1,0,0	● Cerulean	0.94,0.11,0,0
● Cyan	1,0,0,0	● ProcessBlue	0.96,0,0,0
● SkyBlue	0.62,0,0.12,0	● Turquoise	0.85,0,0.20,0
● TealBlue	0.86,0,0.34,0.02	● Aquamarine	0.82,0,0.30,0
● BlueGreen	0.85,0,0.33,0	● Emerald	1,0,0.50,0
● JungleGreen	0.99,0,0.52,0	● SeaGreen	0.69,0,0.50,0
● Green	1,0,1,0	● ForestGreen	0.91,0,0.88,0.12
● PineGreen	0.92,0,0.59,0.25	● LimeGreen	0.50,0,1,0
● YellowGreen	0.44,0,0.74,0	● SpringGreen	0.26,0,0.76,0
● OliveGreen	0.64,0,0.95,0.40	● RawSienna	0,0.72,1,0.45
● Sepia	0,0.83,1,0.70	● Brown	0,0.81,1,0.60
● Tan	0.14,0.42,0.56,0		
● White (Gray0)	0,0,0,0	● Black (Gray100)	0,0,0,1
● Gray5	0,0,0,0.05	● Gray10	0,0,0,0.10
● Gray15	0,0,0,0.15	● Gray20	0,0,0,0.20

●Gray25	0,0,0,0.25	●Gray30	0,0,0,0.30
●LightGray	0,0,0,0.33	●Gray35	0,0,0,0.35
●Gray40	0,0,0,0.40	●Gray45	0,0,0,0.45
●Gray50	0,0,0,0.50	●Gray	0,0,0,0.50
●Gray55	0,0,0,0.55	●Gray60	0,0,0,0.60
●Gray65	0,0,0,0.65	●DarkGray	0,0,0,0.66
●Gray70	0,0,0,0.70	●Gray75	0,0,0,0.75
●Gray80	0,0,0,0.80	●Gray85	0,0,0,0.85
●Gray90	0,0,0,0.90	●Gray95	0,0,0,0.95
●LightGreenYellow	0.08,0,0.35,0	●LightYellow	0,0,0.50,0
●LightGoldenrod	0,0.05,0.42,0	●LightDandelion	0,0.15,0.42,0
●LightApricot	0,0.16,0.26,0	●LightPeach	0,0.25,0.35,0
●LightMelon	0,0.23,0.25,0	●LightYellowOrange	0,0.21,0.50,0
●LightOrange	0,0.31,0.44,0	●LightBurntOrange	0,0.26,0.50,0
●LightBittersweet	0,0.38,0.50,0.12	●LightRedOrange	0,0.39,0.44,0
●LightMahogany	0,0.43,0.44,0.18	●LightMaroon	0,0.44,0.34,0.16
●LightBrickRed	0,0.45,0.47,0.14	●LightRed	0,0.50,0.50,0
●LightOrangeRed	0,0.50,0.25,0	●LightRubineRed	0,0.50,0.07,0
●LightWildStrawberry	0,0.48,0.20,0	●LightSalmon	0,0.27,0.19,0
●LightCarnationPink	0,0.32,0,0	●LightMagenta	0,0.50,0,0
●LightVioletRed	0,0.40,0,0	●LightRhodamine	0,0.41,0,0
●LightMulberry	0.17,0.45,0,0.01	●LightRedViolet	0.04,0.45,0,0.17
●LightFuchsia	0.24,0.46,0,0.04	●LightLavender	0,0.24,0,0
●LightThistle	0.06,0.30,0,0	●LightOrchid	0.16,0.32,0,0
●LightDarkOrchid	0.20,0.40,0.10,0	●LightPurple	0.23,0.43,0,0
●LightPlum	0.25,0.50,0,0	●LightViolet	0.40,0.44,0,0
●LightRoyalPurple	0.38,0.45,0,0	●LightBlueViolet	0.43,0.46,0,0.02
●LightPeriwinkle	0.29,0.28,0,0	●LightCadetBlue	0.31,0.29,0.12,0
●LightCornflowerBlue	0.33,0.07,0,0	●LightMidnightBlue	0.49,0.07,0,0.22
●LightNavyBlue	0.47,0.27,0,0	●LightRoyalBlue	0.50,0.25,0,0
●LightBlue	0.50,0.50,0,0	●LightCerulean	0.47,0.06,0,0
●LightCyan	0.50,0,0,0	●LightProcessBlue	0.48,0,0,0
●LightSkyBlue	0.31,0,0.06,0	●LightTurquoise	0.43,0,0.10,0
●LightTealBlue	0.43,0,0.17,0.01	●LightAquamarine	0.41,0,0.15,0
●LightBlueGreen	0.43,0,0.17,0	●LightEmerald	0.50,0,0.25,0
●LightJungleGreen	0.50,0,0.26,0	●LightSeaGreen	0.35,0,0.25,0
●LightGreen	0.50,0,0.50,0	●LightForestGreen	0.46,0,0.44,0.06
●LightPineGreen	0.46,0,0.30,0.13	●LightLimeGreen	0.25,0,0.50,0
●LightYellowGreen	0.22,0,0.37,0	●LightSpringGreen	0.13,0,0.38,0
●LightOliveGreen	0.32,0,0.48,0.20	●LightRawSienna	0,0.36,0.50,0.23
●LightSepia	0,0.44,0.50,0.35	●LightBrown	0,0.41,0.50,0.30
●LightTan	0.07,0.21,0.28,0		

LightLight- and LightLightLight-versions were derived by dividing all values from Light-color definitions by 2 and 4, respectively.

<i>name</i>	<i>RGB</i>	<i>name</i>	<i>RGB</i>
●BlueRed5	0.15,0.17,0.55	●BlueRed10	0.20,0.23,0.57
●BlueRed15	0.24,0.29,0.60	●BlueRed20	0.33,0.35,0.64
●BlueRed25	0.43,0.43,0.68	●BlueRed30	0.52,0.52,0.73

•BlueRed35	0.60,0.60,0.78	•BlueRed40	0.70,0.70,0.84
•BlueRed45	0.80,0.80,0.85	•BlueRed50	0.86,0.82,0.82
•BlueRed55	0.87,0.73,0.73	•BlueRed60	0.89,0.64,0.64
•BlueRed65	0.90,0.55,0.55	•BlueRed70	0.91,0.47,0.46
•BlueRed75	0.91,0.39,0.37	•BlueRed80	0.90,0.33,0.28
•BlueRed85	0.89,0.25,0.20	•BlueRed90	0.88,0.23,0.14
•BlueRed95	0.87,0.21,0.09	•BlueRed100	0.87,0.16,0.04
•GreenRed5	0,1,0	•GreenRed10	0.05,0.95,0
•GreenRed15	0.10,0.90,0	•GreenRed20	0.15,0.85,0
•GreenRed25	0.20,0.80,0	•GreenRed30	0.25,0.75,0
•GreenRed35	0.30,0.70,0	•GreenRed40	0.35,0.65,0
•GreenRed45	0.40,0.60,0	•GreenRed50	0.45,0.55,0
•GreenRed55	0.50,0.50,0	•GreenRed60	0.55,0.45,0
•GreenRed65	0.60,0.40,0	•GreenRed70	0.65,0.35,0
•GreenRed75	0.70,0.30,0	•GreenRed80	0.75,0.25,0
•GreenRed85	0.80,0.20,0	•GreenRed90	0.85,0.15,0
•GreenRed95	0.90,0.10,0	•GreenRed100	0.95,0.05,0
•ColdHot5	0,0.08,1	•ColdHot10	0,0.29,1
•ColdHot15	0,0.49,1	•ColdHot20	0,0.70,1
•ColdHot25	0,0.90,1	•ColdHot30	0,1,0.87
•ColdHot35	0,1,0.68	•ColdHot40	0,1,0.46
•ColdHot45	0,1,0.25	•ColdHot50	0,1,0.04
•ColdHot55	0.16,1,0	•ColdHot60	0.35,1,0
•ColdHot65	0.56,1,0	•ColdHot70	0.79,1,0
•ColdHot75	0.98,1,0	•ColdHot80	1,0.82,0
•ColdHot85	1,0.60,0	•ColdHot90	1,0.40,0
•ColdHot95	1,0.20,0	•ColdHot100	0.91,0,0

and reverse definitions: RedBlue, RedGreen, HotCold.

Type the color names with the upper case letters exactly as described above. For the definition of new colors use one of the `color.sty` commands:

```
\definecolor{<name>}{cmyk}{<C,M,Y,K>}
```

```
\definecolor{<name>}{rgb}{<R,G,B>}
```

The `<name>` can be chosen freely, the values for the color composition must be in the range 0–1, i.e. 0–100% of the respective component (‘C’ – cyan, ‘M’ – magenta, ‘Y’ – yellow, ‘K’ – black; or ‘R’ – red, ‘G’ – green, ‘Blue’ – blue) separated by commas.

Examples:

```
\definecolor{Salmon}{cmyk}{0,0.53,0.38,0}
```

```
\definecolor{ColdHot15}{rgb}{0,0.49,1}
```