






















































































Color extensions with the xcolor package — various examples






















































































Dr. Uwe Kern











v2.11 (2007/01/21) *











The purpose of this file is to demonstrate a variety of capabilities including the logging facilities of the xcolor package. By playing around with different values of `\tracingcolors`, one can observe the different behavior in the log file.

1 Predefined colors

color	rgb	cmym	hsb	HTML	gray
red	 <u>1 0 0</u>	 <u>0 1 1 0</u>	 <u>0 1 1</u>	 FF0000	 0.3
green	 <u>0 1 0</u>	 <u>1 0 1 0</u>	 0.33333 1 1	 00FF00	 0.59
blue	 <u>0 0 1</u>	 <u>1 1 0 0</u>	 0.66667 1 1	 0000FF	 0.11
cyan	 <u>0 1 1</u>	 <u>1 0 0 0</u>	 0.5 1 1	 00FFFF	 0.7
magenta	 <u>1 0 1</u>	 <u>0 1 0 0</u>	 0.83333 1 1	 FF00FF	 0.41
yellow	 <u>1 1 0</u>	 <u>0 0 1 0</u>	 0.16667 1 1	 FFFF00	 0.89
orange	 <u>1 0.5 0</u>	 <u>0 0.5 1 0</u>	 0.08333 1 1	 FF8000	 0.595
violet	 <u>0.5 0 0.5</u>	 <u>0 0.5 0 0.5</u>	 0.83333 1 0.5	 800080	 0.205
purple	 <u>0.75 0 0.25</u>	 <u>0 0.75 0.5 0.25</u>	 0.94444 1 0.75	 BF0040	 0.2525
brown	 <u>0.75 0.5 0.25</u>	 <u>0 0.25 0.5 0.25</u>	 0.08333 0.66667 0.75	 BF8040	 0.5475
pink	 <u>1 0.75 0.75</u>	 <u>0 0.25 0.25 0</u>	 0 0.25 1	 FFBFBF	 0.825
olive	 <u>0.5 0.5 0</u>	 <u>0 0 1 0.5</u>	 0.16667 1 0.5	 808000	 0.39
black	 <u>0 0 0</u>	 <u>0 0 0 1</u>	 0 0 0	 000000	 0
darkgray	 <u>0.25 0.25 0.25</u>	 <u>0 0 0 0.75</u>	 0 0 0.25	 404040	 0.25
gray	 <u>0.5 0.5 0.5</u>	 <u>0 0 0 0.5</u>	 0 0 0.5	 808080	 0.5
lightgray	 <u>0.75 0.75 0.75</u>	 <u>0 0 0 0.25</u>	 0 0 0.75	 BFBFBF	 0.75
white	 <u>1 1 1</u>	 <u>0 0 0 0</u>	 0 0 1	 FFFFFFFF	 1

-red	 <u>0 1 1</u>	 <u>1 0 0 0</u>	 0.5 1 1	 00FFFF	 0.7
-green	 <u>1 0 1</u>	 <u>0 1 0 0</u>	 0.83333 1 1	 FF00FF	 0.41
-blue	 <u>1 1 0</u>	 <u>0 0 1 0</u>	 0.16667 1 1	 FFFF00	 0.89
-cyan	 <u>1 0 0</u>	 <u>0 1 1 0</u>	 0 1 1	 FF0000	 0.3
-magenta	 <u>0 1 0</u>	 <u>1 0 1 0</u>	 0.33333 1 1	 00FF00	 0.59
-yellow	 <u>0 0 1</u>	 <u>1 1 0 0</u>	 0.66667 1 1	 0000FF	 0.11
-orange	 <u>0 0.5 1</u>	 <u>1 0.5 0 0</u>	 0.58333 1 1	 0080FF	 0.405
-violet	 <u>0.5 1 0.5</u>	 <u>0.5 0 0.5 0</u>	 0.33333 0.5 1	 80FF80	 0.795
-purple	 <u>0.25 1 0.75</u>	 <u>0.75 0 0.25 0</u>	 0.44444 0.75 1	 40FFBF	 0.7475
-brown	 <u>0.25 0.5 0.75</u>	 <u>0.5 0.25 0 0.25</u>	 0.58333 0.66667 0.75	 4080BF	 0.4525
-pink	 <u>0 0.25 0.25</u>	 <u>0.25 0 0 0.75</u>	 0.5 1 0.25	 004040	 0.175
-olive	 <u>0.5 0.5 1</u>	 <u>0.5 0.5 0 0</u>	 0.66667 0.5 1	 8080FF	 0.555
-black	 <u>1 1 1</u>	 <u>0 0 0 0</u>	 0 0 1	 FFFFFFFF	 1
-darkgray	 <u>0.75 0.75 0.75</u>	 <u>0 0 0 0.25</u>	 0 0 0.75	 BFBFBF	 0.75
-gray	 <u>0.5 0.5 0.5</u>	 <u>0 0 0 0.5</u>	 0 0 0.5	 808080	 0.5
-lightgray	 <u>0.25 0.25 0.25</u>	 <u>0 0 0 0.75</u>	 0 0 0.25	 404040	 0.25
-white	 <u>0 0 0</u>	 <u>0 0 0 1</u>	 0 0 0	 000000	 0

JungleGreen	 0.01 1 0.48	 <u>0.99 0 0.52 0</u>	 0.41246 0.99 1	 03FF7A	 0.6458
DarkOrchid	 0.6 0.2 0.8	 <u>0.4 0.8 0.2 0</u>	 0.77779 0.75 0.8	 9933CC	 0.386

-JungleGreen	 0.99 0 0.52	 <u>0 0.99 0.47 0.01</u>	 0.91246 1 0.99	 FC0085	 0.3542
-DarkOrchid	 0.4 0.8 0.2	 <u>0.4 0 0.6 0.2</u>	 0.27779 0.75 0.8	 66CC33	 0.614

































*This file (`xcolor3.tex`) is part of the xcolor distribution which can be downloaded from the CTAN mirrors `CTAN/macros/latex/contrib/xcolor/` or the homepage `www.ukern.de/tex/xcolor.html`. Please send error reports and suggestions for improvements to `xcolor@ukern.de`.

2 Color definition and application

Test with `\definecolor`

Comma-separated and space-separated definitions:

identical = identical = identical = identical = identical = identical = identical identical

color	rgb	cmyk	hsb	HTML
c1	 0.7 0.6 0.5	 0 0.1 0.2 0.3	 0.08333 0.2857 0.7	 B29980
c2	 0.7 0.6 0.5	 0 0.1 0.2 0.3	 0.08333 0.2857 0.7	 B29980
c1a	 0.7 0.6 0.5	 0 0.1 0.2 0.3	 0.08333 0.2857 0.7	 B29980
c2a	 0.7 0.6 0.5	 0 0.1 0.2 0.3	 0.08333 0.2857 0.7	 B29980
[rgb].7,.6,.5	 0.7 0.6 0.5	 0 0.1 0.2 0.3	 0.08333 0.2857 0.7	 B29980
[rgb].7 .6 .5	 0.7 0.6 0.5	 0 0.1 0.2 0.3	 0.08333 0.2857 0.7	 B29980
rgb,10:red,7;green,6;blue,5	 0.7 0.6 0.5	 0 0.1 0.2 0.3	 0.08333 0.2857 0.7	 B29980
rgb,15:red,10.5;green,9;blue,7.5	 0.7 0.6 0.5	 0 0.1 0.2 0.3	 0.08333 0.2857 0.7	 B29980

Another extended color expression (rgb:red!50,4;green!25,2).

Test with named colors:

Test: JungleGreen; Test: JungleGreen; Test: JungleGreen!50!DarkOrchid; Test: green!50!red.

Test with `\color`

Current color application:

current, 50%, complement, mix and current, 50%, complement, mix,
TestTestTestTestTest and TestTestTestTestTest.

Current color test with `\definecolorseries`:

Test  Test

Test  Test

Test  Test

3 Color in tables

test	row 1
test	row 2
test	row 3
test	row 4
test	row 5
test	row 6
test	row 7
test	row 8
test	row 9

4 Color information

Type test: 1234