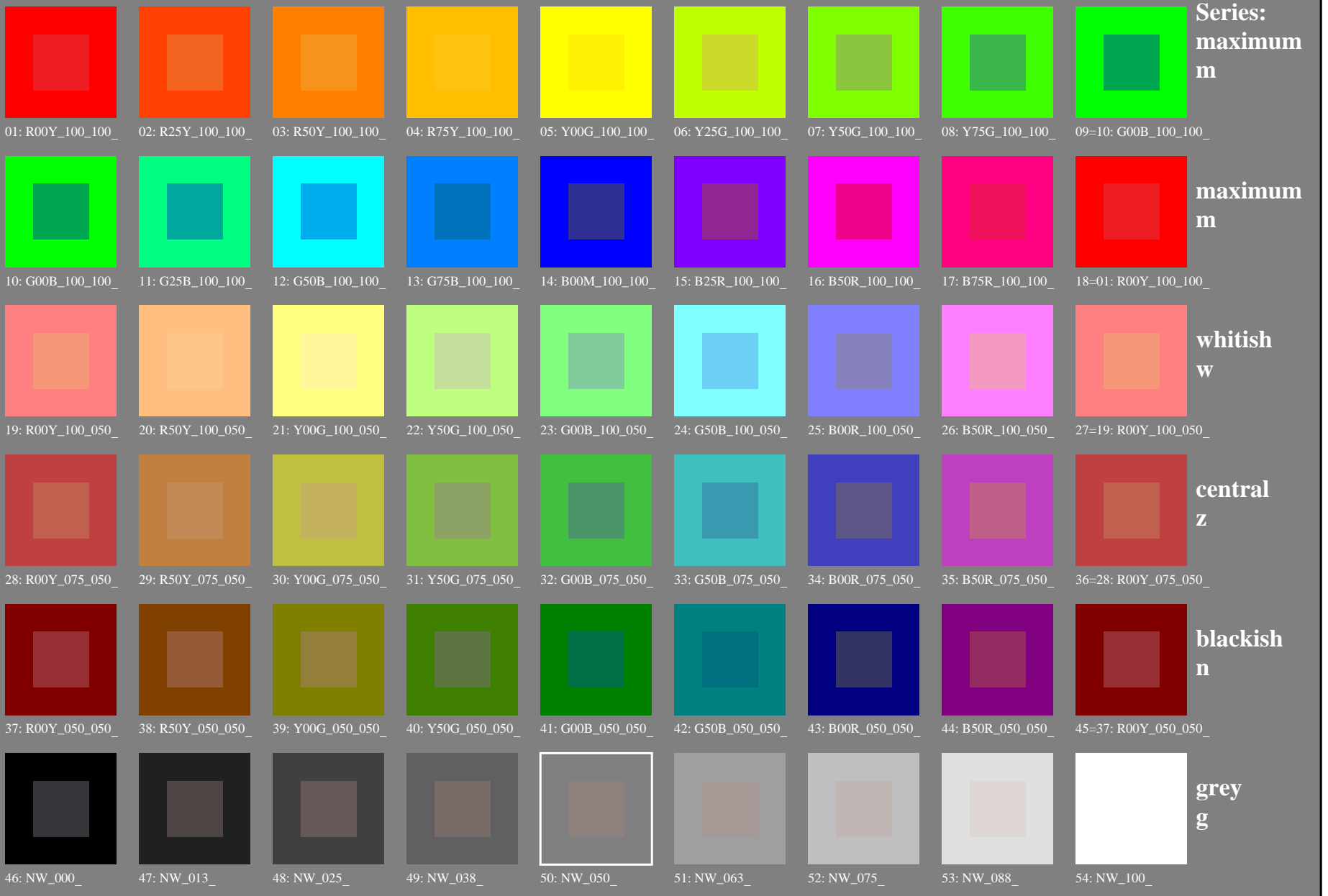


Test chart 1 for color rendering: 54 standard colours for D65; standard display (sRGB)



see similar files: <http://130.149.60.45/~farbmetrik/PE09/PE09.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

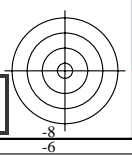
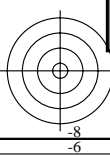
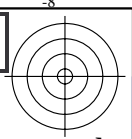
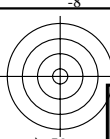
TUB registration: 20130201-PE09/PE09L0NP.PDF /.PS
application for measurement of display output

TUB material: code=rh4ta

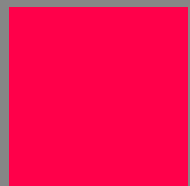
J-013030-L0 PE090-7N

TUB-test chart PE09; colour rendering; sRGB
54 standard colours; image technology

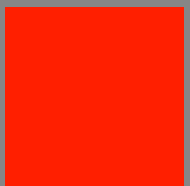
input: *rgb/cmyk* -> *rgb/cmyk*
output: no change



Test chart 1 for color rendering: 54 standard colours for D65; standard display (*sRGB*); *rgb*→*rgb*e*



01: R00Y_100_100_e



02: R25Y_100_100_e



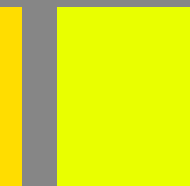
03: R50Y_100_100_e



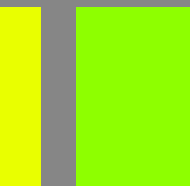
04: R75Y_100_100_e



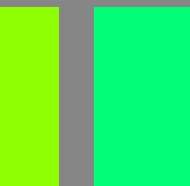
05: Y00G_100_100_e



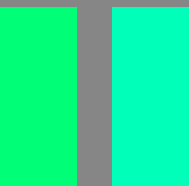
06: Y25G_100_100_e



07: Y50G_100_100_e



08: Y75G_100_100_e

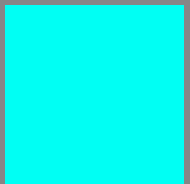


09=10: G00B_100_100_e

Series:
maximum
m



10: G00B_100_100_e



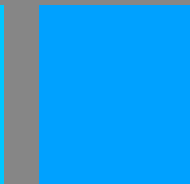
11: G25B_100_100_e



12: G50B_100_100_e



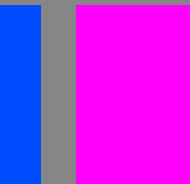
13: G75B_100_100_e



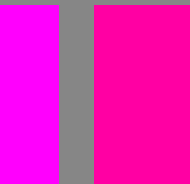
14: B00M_100_100_e



15: B25R_100_100_e



16: B50R_100_100_e

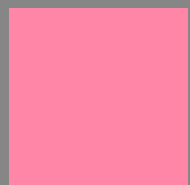


17: B75R_100_100_e

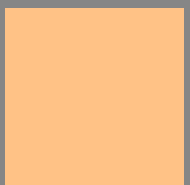


18=01: R00Y_100_100_e

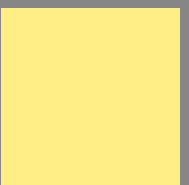
maximum
m



19: R00Y_100_050_e



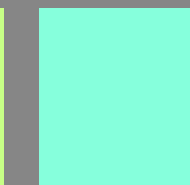
20: R50Y_100_050_e



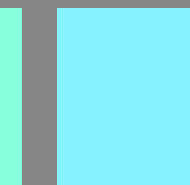
21: Y00G_100_050_e



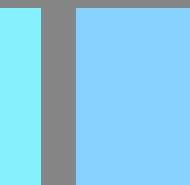
22: Y50G_100_050_e



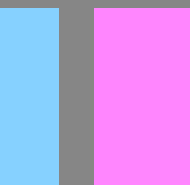
23: G00B_100_050_e



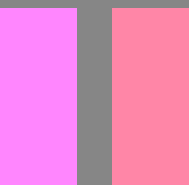
24: G50B_100_050_e



25: B00R_100_050_e



26: B50R_100_050_e

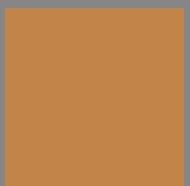


27=19: R00Y_100_050_e

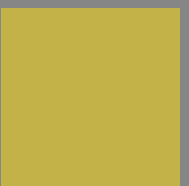
whitish
w



28: R00Y_075_050_e



29: R50Y_075_050_e



30: Y00G_075_050_e



31: Y50G_075_050_e



32: G00B_075_050_e



33: G50B_075_050_e



34: B00R_075_050_e

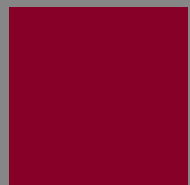


35: B50R_075_050_e

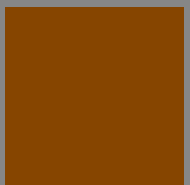


36=28: R00Y_075_050_e

central
z



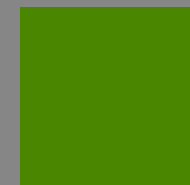
37: R00Y_050_050_e



38: R50Y_050_050_e



39: Y00G_050_050_e



40: Y50G_050_050_e



41: G00B_050_050_e



42: G50B_050_050_e



43: B00R_050_050_e

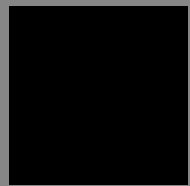


44: B50R_050_050_e

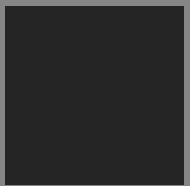


45=37: R00Y_050_050_e

blackish
n



46: NW_000_e



47: NW_013_e



48: NW_025_e



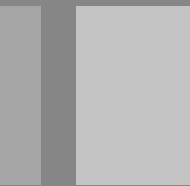
49: NW_038_e



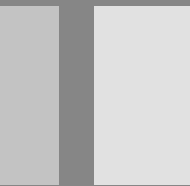
50: NW_050_e



51: NW_063_e



52: NW_075_e



53: NW_088_e



54: NW_100_e

grey
g

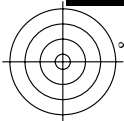
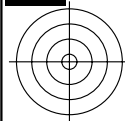
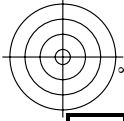
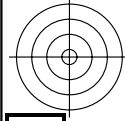
http://130.149.60.45/~farbmetrik/PE09/PE09LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 4/18

Table with columns: nif, HHC*Fe, rgb*Fe, iet*Fe, hsa*Fe, rgb*Fe, LabCH*Fe, LabCH*Fe, rgb*Fe, DF*Fe, hsa*Fe, rgb*Fe, LabCH*Fe, LabCH*Fe, rgb*Fe, DF*Fe, hsa*Fe, rgb*Fe. Rows include various color patches like 0/668 R00Y_100_100k, 1/668 R25Y_100_100k, etc.

Mean color difference of this page: delta E* = 21.3

input: rgb/cmyk -> rgbe output: transfer to rgbe

TUB-test chart PE09; colour rendering; sRGB colors and differences, AE*, 3D=0, de=L, sRGB



http://130.149.60.45/~farbmatrik/PE09/PE09LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 6/18

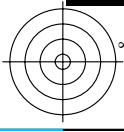
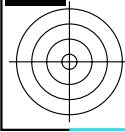
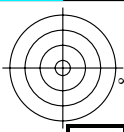
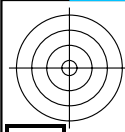
input: rgb/cmyk -> rgbe output: transfer to rgbe

Table with 16 columns: n, HHC*Fe, rGb*Fe, iEt*Fe, iBs*Fe, rGb*Fe, LabCH*Fe, LabCH*Fe, rGb*Fe, rGb*Fe, LabCH*Fe, DF*Fe, rGb*Fe, rGb*Fe, LabCH*Fe, LabCH*Fe. Rows 81-161.

delta E** = 36.3

Main color difference of this page:

TUB-test chart PE09; colour rendering; sRGB colors and differences, AE*, 3D=0, de=L, sRGB



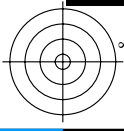
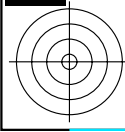
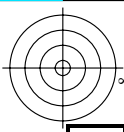
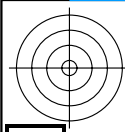
http://130.149.60.45/~farbmetrik/PE09/PE09LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 7/18

input: rgb/cmyk -> rgbe output: transfer to rgbe

Table with columns: n, HHC*Fe, rpb*Fe, iet*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, iet*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, DF*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, iet*Fe, hsa*Fe, rpb*Fe, LabCh*Fe. Rows 162-242.

Mean color difference of this page: delta E* = 30.9

TUB-test chart PE09; colour rendering; sRGB colors and differences, AE*, 3D=0, de=L, sRGB

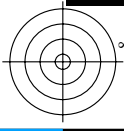
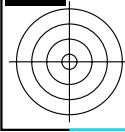
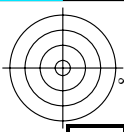
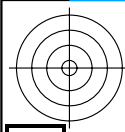


http://130.149.60.45/~farbmatrik/PE09/PE09LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 10/18

Table with columns: n, HHC*Fe, rpb*Fe, icr*Fe, HsL*Fe, rpb*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, DF*Fe, HsM*Fe, rpb*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe. Rows 405-485.

delta E* = 14.9 Mean color difference of this page:

TUB-test chart PE09; colour rendering; sRGB colors and differences, AE*, 3D=0, de=L, sRGB input: rgb/cmyk -> rgbe output: transfer to rgbe



http://130.149.60.45/~farbmetrik/PE09/PE09LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 11/18

input: rgb/cmyk -> rgbe output: transfer to rgbe

TUB-test chart PE09; colour rendering; sRGB colors and differences, AE*, 3D=0, de=L, sRGB

PE09-79N, Page 11/18-F

L-011030-F0

Table with 20 columns: n, HHC*Fe, rpb*Fe, iet*Fe, rpb*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, DF*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, DF*Fe, hsa*Fe, rpb*Fe, LabCh*Fe. Rows 486-566.

Mean color difference of this page: delta E* = 12.8

http://130.149.60.45/~farbmetrik/PE09/PE09LONP.PDF /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 12/18

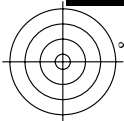
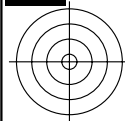
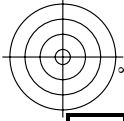
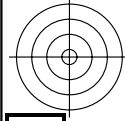
Table with 10 columns: n, HiC*Fe, Rgb*Fe, iEt*Fe, HsL*Fe, Rgb*Fe, LabC*Fe, LabM*Fe, DF*Fe, HsM*Fe, Rgb*Fe, LabC*Fe, LabM*Fe, and delta E*. Rows list various color patches from 567 to 647.

Mean color difference of this page: delta E* = 12.3

input: rgb/cmyk -> rgbe output: transfer to rgbe

TUB-test chart PE09; colour rendering; sRGB colors and differences, AE*, 3D=0, de=L, sRGB

PE090-TN, Page 12/18-F

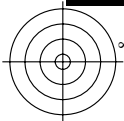
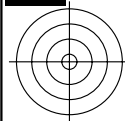
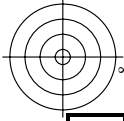
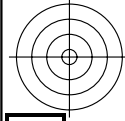


http://130.149.60.45/~farbmetrik/PE09/PE09LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 14/18

input: rgb/cmyk -> rgbe output: transfer to rgbe

Table with 10 columns: n, HiC*Fe, rpb*Fe, iet*Fe, ihs*Fe, rpb*Fe, LabC*Fe, LabC*Fe, rpb*Fe, LabC*Fe. It contains a large grid of numerical data for various color and grayscale patches.

Mean color difference of this page: delta E* = 11.2



http://130.149.60.45/~farbmetrik/PE09/PE09LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 15/18

input: rgb/cmyk -> rgbe output: transfer to rgbe

TUB-test chart PE09; colour rendering; sRGB colors and differences, ΔE^* , $3D=0$, $de=L$, sRGB

PE09-79N; Page 15/18-F

L-0131430-F0

Table with 30 columns: n, HhC*Fe, rpb*Fe, iet*Fe, Hs*Fe, rpb*Fe, LabC*Fe, LabCH*Fe, rpb*Fe, DF*Fe, Hs*Fe, rpb*Fe, LabC*Fe, LabCH*Fe, rpb*Fe, Hs*Fe, rpb*Fe, LabC*Fe, LabCH*Fe, rpb*Fe, DF*Fe, Hs*Fe, rpb*Fe, LabC*Fe, LabCH*Fe, rpb*Fe, Hs*Fe, rpb*Fe, LabC*Fe, LabCH*Fe, rpb*Fe. Each cell contains numerical values representing color differences and rendering metrics.

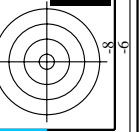
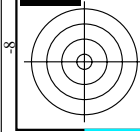
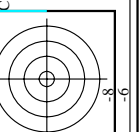
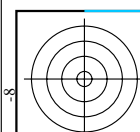


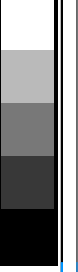
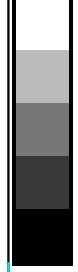
Table with 10 columns: n, H/C*Fe, r/gb*Fe, i/cr*Fe, Hs*Fe, r/gb*Fe, LabC*H*Fe, LabC*H*Fe, r/gb*Fe, LabC*H*Fe. The table contains numerical data for various color and grayscale patches, including a 'Mean color difference of this page' section at the bottom right.

input: rgb/cmyk -> rgbe
output: transfer to rgbe

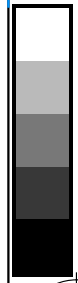
PE09-7N, Page 16/18-F

TUB-test chart PE09; colour rendering; sRGB
colors and differences, ΔE^* , 3D=0, de=L, sRGB

L-0131530-F0



http://130.149.60.45/~farbmetrik/PE09/PE09LONP.PDF /.PS; transfer output
 N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/18



n	HC*Fe	rgb*Fe	iet*Fe	hsa*Fe	rgb**Fe	LabCH*Fe	hsa**Fe	LabCH**Fe	DF**Fe	hsa**Fe	rgb**Fe	LabCH**Fe	DF**Fe	hsa**Fe	rgb**Fe	LabCH**Fe	DF**Fe	hsa**Fe	rgb**Fe	LabCH**Fe
1053	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	83.9	0.0	0.0	0.0	0.0	325.2	1.3	360	0.0	0.0	0.0	0.0	0.0
1054	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	89.7	0.0	0.0	0.0	0.0	325.2	0.6	360	0.0	0.0	0.0	0.0	0.0
1055	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	325.2	0.0	360	0.0	0.0	0.0	0.0	0.0
1056	NW_100b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0
1057	NW_100c	0.066	0.066	0.066	0.066	0.066	0.066	4.4	0.0	0.0	0.0	0.0	326.3	1.8	360	0.0	0.0	0.0	0.0	0.0
1058	NW_013e	0.133	0.133	0.133	0.133	0.133	0.133	12.0	0.0	0.0	0.0	0.0	325.5	0.6	360	0.0	0.0	0.0	0.0	0.0
1059	NW_020e	0.2	0.2	0.2	0.2	0.2	0.2	19.7	0.0	0.0	0.0	0.0	325.5	0.6	360	0.0	0.0	0.0	0.0	0.0
1060	NW_026e	0.266	0.266	0.266	0.266	0.266	0.266	27.0	0.0	0.0	0.0	0.0	325.4	1.6	360	0.0	0.0	0.0	0.0	0.0
1061	NW_033e	0.333	0.333	0.333	0.333	0.333	0.333	34.0	0.0	0.0	0.0	0.0	325.3	2.2	360	0.0	0.0	0.0	0.0	0.0
1062	NW_040e	0.4	0.4	0.4	0.4	0.4	0.4	40.8	0.0	0.0	0.0	0.0	325.3	2.6	360	0.0	0.0	0.0	0.0	0.0
1063	NW_046e	0.466	0.466	0.466	0.466	0.466	0.466	47.3	0.0	0.0	0.0	0.0	325.4	2.8	360	0.0	0.0	0.0	0.0	0.0
1064	NW_053e	0.533	0.533	0.533	0.533	0.533	0.533	53.7	0.0	0.0	0.0	0.0	325.3	2.9	360	0.0	0.0	0.0	0.0	0.0
1065	NW_060e	0.6	0.6	0.6	0.6	0.6	0.6	60.0	0.0	0.0	0.0	0.0	325.3	2.8	360	0.0	0.0	0.0	0.0	0.0
1066	NW_066e	0.666	0.666	0.666	0.666	0.666	0.666	66.1	0.0	0.0	0.0	0.0	325.2	2.6	360	0.0	0.0	0.0	0.0	0.0
1067	NW_073e	0.734	0.734	0.734	0.734	0.734	0.734	72.3	0.0	0.0	0.0	0.0	325.2	2.2	360	0.0	0.0	0.0	0.0	0.0
1068	NW_080e	0.8	0.8	0.8	0.8	0.8	0.8	78.1	0.0	0.0	0.0	0.0	325.2	1.8	360	0.0	0.0	0.0	0.0	0.0
1069	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	83.9	0.0	0.0	0.0	0.0	325.2	1.3	360	0.0	0.0	0.0	0.0	0.0
1070	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	89.7	0.0	0.0	0.0	0.0	325.2	0.6	360	0.0	0.0	0.0	0.0	0.0
1071	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	325.2	0.0	360	0.0	0.0	0.0	0.0	0.0
1072	NW_100b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0
1073	NW_100c	0.066	0.066	0.066	0.066	0.066	0.066	4.4	0.0	0.0	0.0	0.0	325.2	0.0	360	0.0	0.0	0.0	0.0	0.0
1074	ROY_100_100e	1.0	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	325.2	0.0	360	0.0	0.0	0.0	0.0	0.0
1075	G50B_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0
1076	Y06G_100_100e	0.0	1.0	1.0	1.0	1.0	0.889	1.0	1.0	0.889	1.0	1.0	1.0	1.0	0.889	1.0	0.889	1.0	0.889	1.0
1077	B08L_100_100e	0.0	0.0	1.0	1.0	1.0	0.866	0.0	0.0	0.866	0.0	0.0	0.0	0.0	0.866	0.0	0.866	0.0	0.866	0.0
1078	B08L_100_100e	0.0	1.0	1.0	1.0	1.0	0.609	1.0	1.0	0.609	1.0	1.0	1.0	1.0	0.609	1.0	0.609	1.0	0.609	1.0
1079	B50R_100_100e	0.0	1.0	1.0	1.0	1.0	0.706	1.0	1.0	0.706	1.0	1.0	1.0	1.0	0.706	1.0	0.706	1.0	0.706	1.0
1079	B50R_100_100e	1.0	0.0	1.0	1.0	1.0	0.991	57.1	94.1	-57.4	110.3	328.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Mean color difference of this page: $\Delta E^* = 9.3$

input: rgb/cmyk -> rgbe
 output: transfer to rgbe

TUB-test chart PE09; colour rendering; sRGB
 colors and differences, ΔE^* , 3D=0, de=L, sRGB