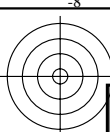


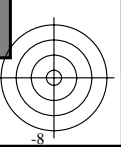
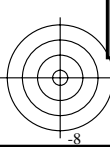
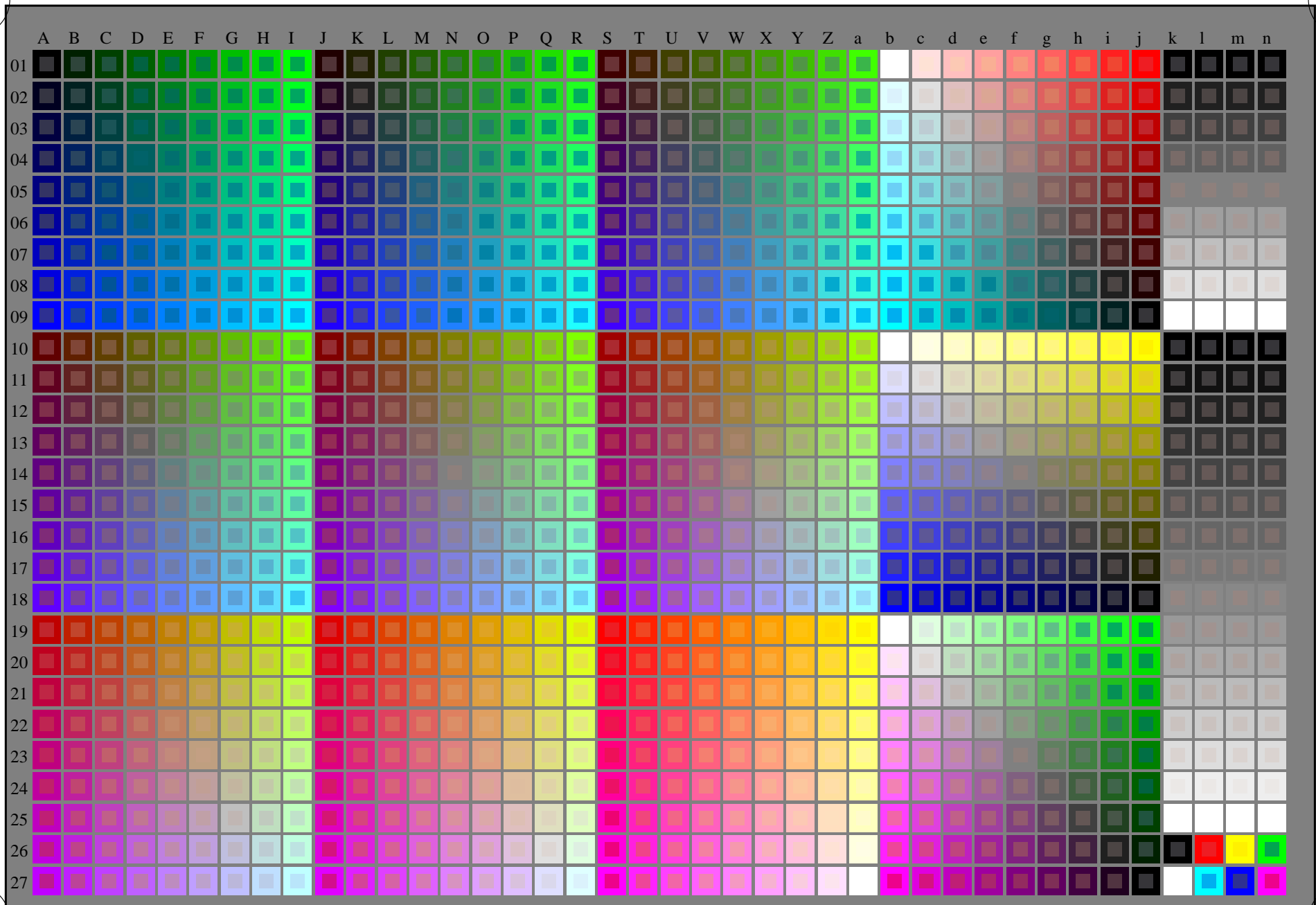
http://130.149.60.45/~farbmetrik/RE51/RE51L0NP.PDF /.PS; start output  
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/29



see similar files: <http://130.149.60.45/~farbmetrik/RE51/RE51.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta



1-003030-L0 RE510-7N

Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n):  $rgb + cmy0 (A_j + k26_{n27}), 000n (k), w (l), nnn0 (m), www (n), 3D = 0$

TUB-test chart RE51; 1080 standard colours  
Test chart according to DIN 33872, 3D=0, de=0, sRGB

input:  $rgb/cmyk \rightarrow rgb/cmyk$   
output: no change

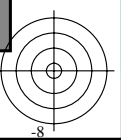
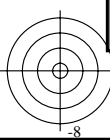
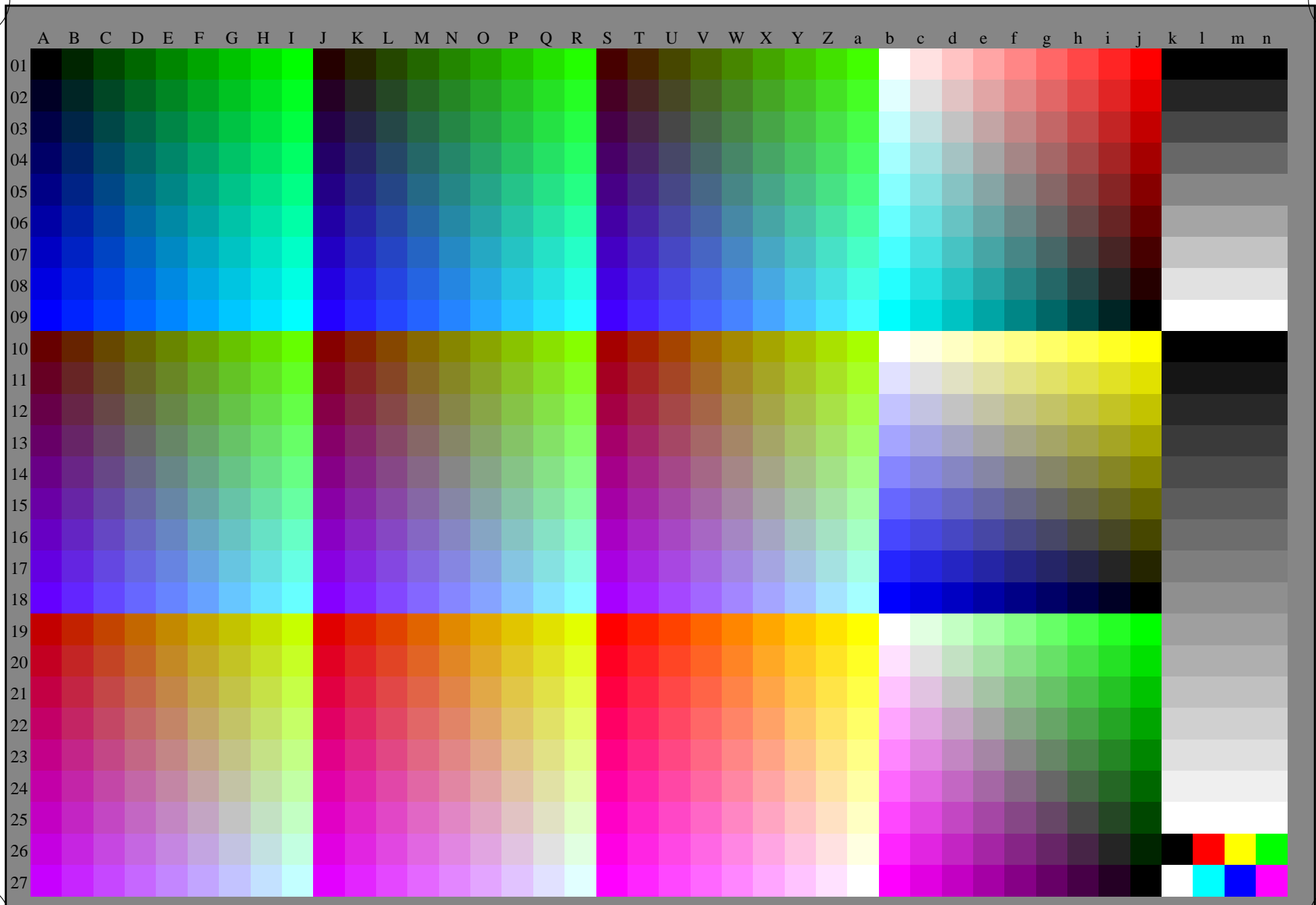




see similar files: <http://130.149.60.45/~farbmetrik/RE51/RE51.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS  
application for measurement of display output, no separation

TUB material: code=rh4ta



1-003130-L0 RE510-70

Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n):  $rgb(A_n, 3D=0)$

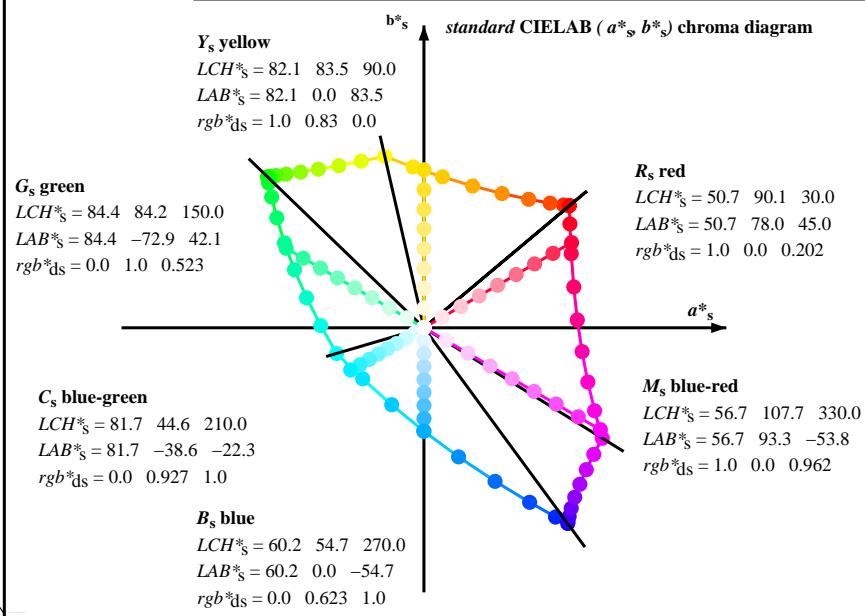
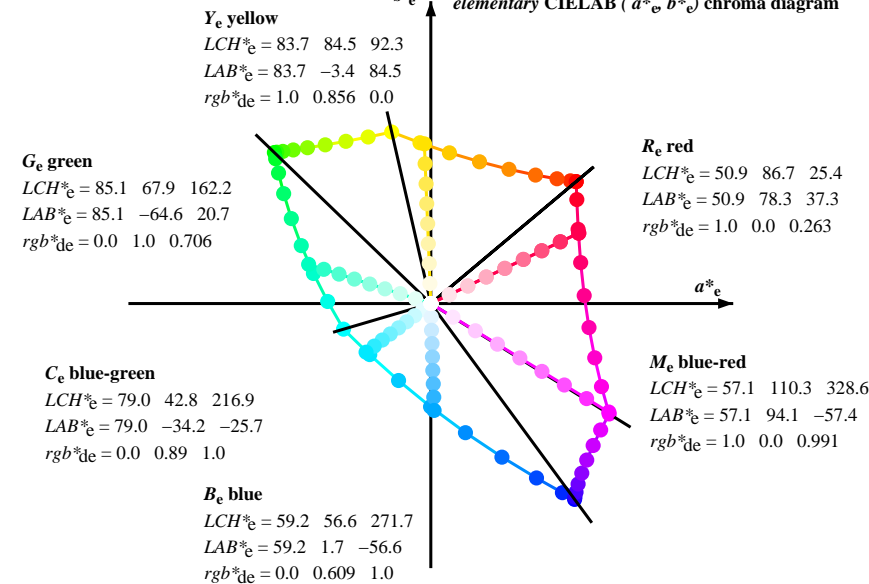
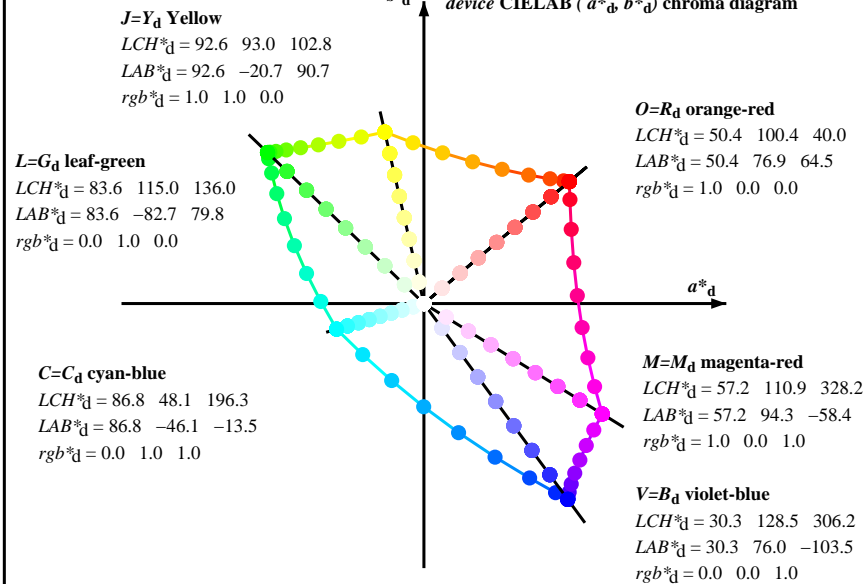
TUB-test chart RE51; 1080 standard colours  
Test chart according to DIN 33872, 3D=0, de=0, sRGB

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $rgb_d$

1-003130-F0



Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGCBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
 Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



**Notes to the CIELAB chroma diagrams ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )**

- For the  $rgb^*_e$ -input values the CIELAB data  $LCH^*_e$  and  $LAB^*_e$  have been calculated.
- For the calculation of the standard hue angle  $h_{ab,s}$  use for any device values  $rgb^*_d$  the equation:  

$$h_{ab,s} = atan [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ] \quad (1)$$
- For the 48 or 360 equally spaced standard hue angles  $h_{ab,s}$  of the colours of maximum chroma use the seven hue angles of the 60 degree colours  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) and the equations for a 48 and 360 step hue circle:  

$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$

$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- For the 48 or 360 elementary hue angles  $h_{ab,e}$  of the colours of maximum chroma use the seven hue angles of the elementary colours  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) and the equations for a 48 and 360 step elementary hue circle:  

$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$

$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- For any elementary hue angle  $h_{ab,e}$  there is a well defined device hue angle  $h_{ab,d}$  see the following tables, columns 1 to 5 or 1 to 4.
- The values  $rgb^*_{de}$  produce the output of the device-independent elementary hues

see similar files: http://130.149.60.45/~farbmetrik/RE51/RE51.HTM  
 technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS  
 application for measurement of display output, no separation

TUB material: code=rh4ta

Data of maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>s</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM<sub>d</sub>: h<sub>ab,d</sub> = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with 12 columns of colorimetric data (h<sub>ab,d</sub>, h<sub>ab,s</sub>, h<sub>ab,e</sub>, r<sub>gb</sub><sup>a</sup>, d<sub>64M</sub>, LAB\*, d<sub>dx361M</sub>, LAB\*, d<sub>dx361M</sub> (x=LabCh), r<sub>gb</sub><sup>a</sup>, d<sub>361M</sub>, LAB\*, d<sub>361M</sub> (x=LabCh), r<sub>gb</sub><sup>a</sup>, d<sub>361M</sub>, LAB\*, d<sub>361M</sub> (x=LabCh)) and 12 rows of colorimetric data (r<sub>gb</sub><sup>a</sup><sub>dd</sub>, r<sub>gb</sub><sup>a</sup><sub>ds</sub>, r<sub>gb</sub><sup>a</sup><sub>de</sub>) for 1080 standard colors.

1-003330-L0 RE510-70 LAB\*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB\*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 4/29

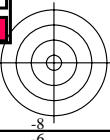
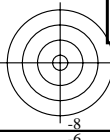
TUB-test chart RE51; 1080 standard colours  
Test chart according to DIN 33872, 3D=0, de=0, sRGB

input: rgb/cmyk -> r<sub>gb</sub><sub>d</sub>  
output: transfer to r<sub>gb</sub><sub>d</sub>

see similar files: http://130.149.60.45/~farbmetrik/RE51/RE51.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

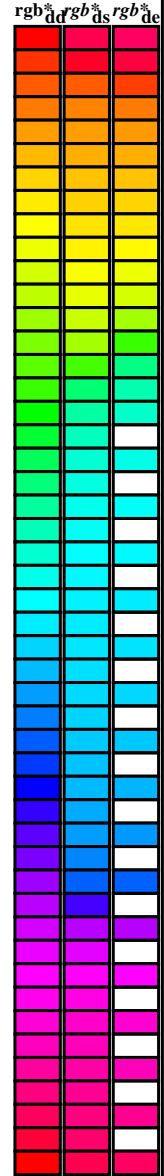
TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS  
application for measurement of display output, no separation

TUB material: code=rh4ta



Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>s</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM<sub>d</sub>: h<sub>ab,d</sub> = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb* dd64M	LAB* ddx64M (x=LabCh)	rgb* dex361M	LAB* dex361M
40.0	30.0	25.4	1.0 0.0 0.0	50.4 76.9 64.5 100.4 40.0	1.0 0.0 0.263 50.9	78.3 37.3 86.7 25
41.3	37.5	33.8	1.0 0.125 0.0	51.5 73.9 64.9 98.3 41.3	1.0 0.0 0.156 50.7	77.7 51.0 92.9 33
44.6	45.0	42.1	1.0 0.25 0.0	54.0 66.7 65.9 93.8 44.6	1.0 0.157 0.0	52.2 72.0 65.3 97.2 42
50.7	52.5	50.5	1.0 0.375 0.0	58.2 55.4 67.9 87.7 50.7	1.0 0.358 0.0	57.7 56.9 67.8 88.6 49
59.7	60.0	58.8	1.0 0.5 0.0	63.6 41.3 71.0 82.2 59.7	1.0 0.488 0.0	63.1 42.8 70.9 82.8 58
71.0	67.5	67.2	1.0 0.625 0.0	70.1 25.7 75.0 79.3 71.0	1.0 0.577 0.0	67.6 31.8 73.9 80.5 66
82.9	75.0	75.6	1.0 0.75 0.0	77.2 9.8 79.7 80.4 82.9	1.0 0.673 0.0	72.8 19.8 77.3 79.8 75
93.8	82.5	83.9	1.0 0.875 0.0	84.8 -5.7 85.0 85.2 93.8	1.0 0.755 0.0	77.5 9.3 80.1 80.6 83
102.8	90.0	92.3	1.0 1.0 0.0	92.6 -20.7 90.7 93.0 102.8	1.0 0.857 0.0	83.7 -3.3 84.5 84.6 92
110.5	97.5	101.0	0.875 1.0 0.0	90.4 -33.1 88.1 94.1 110.5	1.0 0.967 0.0	90.6 -16.4 89.5 91.0 100
117.6	105.0	109.7	0.75 1.0 0.0	88.5 -44.9 85.8 96.8 117.6	0.888 1.0 0.0	90.7 -31.7 88.5 94.0 109
123.6	112.5	118.5	0.625 1.0 0.0	86.9 -55.8 83.9 100.7 123.6	0.743 1.0 0.0	88.5 -45.4 85.8 97.1 117
128.3	120.0	127.2	0.5 1.0 0.0	85.7 -65.2 82.4 105.1 128.3	0.529 1.0 0.0	86.0 -62.9 82.9 104.1 127
131.8	127.5	136.0	0.375 1.0 0.0	84.7 -72.8 81.2 109.1 131.8	0.132 1.0 0.0	83.8 -81.2 80.1 114.1 135
134.1	135.0	144.7	0.25 1.0 0.0	84.1 -78.2 80.5 112.2 134.1	0.0 1.0 0.41	84.1 -76.8 54.3 94.1 144
135.5	142.5	153.4	0.125 1.0 0.0	83.7 -81.4 80.0 114.2 135.5	0.0 1.0 0.573	84.6 -70.9 36.3 79.8 152
136.0	150.0	162.2	0.0 1.0 0.0	83.6 -82.7 79.8 115.0 136.0	0.0 1.0 0.706	85.2 -64.6 20.7 67.9 162
137.0	157.5	169.0	0.0 1.0 0.125	83.6 -82.1 76.6 112.3 137.0	0.0 1.0 0.778	85.5 -60.6 12.2 61.9 168
139.3	165.0	175.9	0.0 1.0 0.25	83.8 -80.5 69.1 106.1 139.3	0.0 1.0 0.847	85.9 -56.4 4.0 56.7 175
143.2	172.5	182.7	0.0 1.0 0.375	84.0 -77.8 58.1 97.1 143.2	0.0 1.0 0.9	86.2 -53.2 -2.0 53.3 182
148.6	180.0	189.6	0.0 1.0 0.5	84.3 -73.7 44.9 86.4 148.6	0.0 1.0 0.952	86.6 -49.8 -8.3 50.6 189
155.8	187.5	196.4	0.0 1.0 0.625	84.7 -68.5 30.6 75.0 155.8	0.0 1.0 0.997	86.9 -46.3 -13.2 48.3 195
165.6	195.0	203.2	0.0 1.0 0.75	85.3 -62.0 15.9 64.0 165.6	0.0 0.963	1.0 84.3 -42.5 -18.2 46.4 203
178.8	202.5	210.1	0.0 1.0 0.875	86.0 -54.5 1.0 54.5 178.8	0.0 0.929	1.0 81.8 -38.8 -22.1 44.7 209
196.3	210.0	216.9	0.0 1.0 1.0	86.8 -46.1 -13.5 48.1 196.3	0.0 0.89	1.0 79.1 -34.2 -25.7 42.9 216
219.8	217.5	223.8	0.0 0.875 1.0	77.9 -32.3 -27.0 42.1 219.8	0.0 0.859	1.0 76.9 -30.7 -29.0 42.4 223
247.2	225.0	230.6	0.0 0.75 1.0	69.1 -17.0 -40.7 44.1 247.2	0.0 0.826	1.0 74.5 -27.1 -33.1 43.0 230
269.8	232.5	237.5	0.0 0.625 1.0	60.3 -0.1 -54.6 54.6 269.8	0.0 0.797	1.0 72.4 -23.5 -36.3 43.4 237
285.0	240.0	244.3	0.0 0.5 1.0	51.7 18.3 -68.3 70.7 285.0	0.0 0.763	1.0 70.1 -18.9 -39.5 44.0 244
294.8	247.5	251.2	0.0 0.375 1.0	43.8 37.6 -81.2 89.5 294.8	0.0 0.731	1.0 67.8 -15.0 -43.1 45.8 250
301.1	255.0	258.0	0.0 0.25 1.0	37.1 55.9 -92.3 107.9 301.1	0.0 0.69	1.0 64.9 -10.1 -48.0 49.2 258
304.8	262.5	264.8	0.0 0.125 1.0	32.4 69.5 -100.0 121.8 304.8	0.0 0.655	1.0 62.4 -5.0 -51.8 52.1 264
306.2	270.0	271.7	0.0 0.0 1.0	30.3 76.0 -103.5 128.5 306.2	0.0 0.609	1.0 59.3 1.7 -56.5 56.6 271
306.6	277.5	278.8	0.125 0.0 1.0	31.0 76.2 -102.4 127.7 306.6	0.0 0.555	1.0 55.5 9.3 -62.9 63.7 278
307.5	285.0	285.9	0.25 0.0 1.0	32.6 76.8 -99.8 125.9 307.5	0.0 0.488	1.0 51.0 19.9 -69.6 72.5 285
309.2	292.5	293.0	0.375 0.0 1.0	35.1 77.9 -95.5 123.3 309.2	0.0 0.404	1.0 45.7 32.7 -78.5 85.2 292
311.6	300.0	300.1	0.5 0.0 1.0	38.5 79.8 -89.7 120.0 311.6	0.0 0.27	1.0 38.2 52.8 -90.6 105.0 300
314.8	307.5	307.2	0.625 0.0 1.0	42.7 82.5 -82.7 116.8 314.8	0.0 0.146	0.0 31.3 76.4 -102.0 127.5 306
318.8	315.0	314.3	0.75 0.0 1.0	47.2 85.8 -75.1 114.0 318.8	0.0 0.605	0.0 42.1 82.1 -83.8 117.4 314
323.3	322.5	321.4	0.875 0.0 1.0	52.1 89.8 -66.9 112.0 323.3	0.0 0.811	0.0 49.7 87.9 -71.0 113.1 321
328.2	330.0	328.6	1.0 0.0 1.0	57.2 94.3 -58.4 110.9 328.2	0.0 0.992	0.0 57.2 94.2 -57.4 110.3 328
334.0	337.5	335.7	1.0 0.0 0.875	55.6 90.3 -43.9 100.4 334.0	0.0 0.856	0.0 55.4 89.9 -41.4 99.0 335
341.6	345.0	342.8	1.0 0.0 0.75	54.2 86.7 -28.6 91.3 341.6	1.0 0.0	0.0 735 54.1 86.5 -26.6 90.6 342
351.4	352.5	349.9	1.0 0.0 0.625	53.0 83.6 -12.6 84.6 351.4	1.0 0.0	0.0 665 53.3 84.5 -15.6 86.0 349
362.9	360.0	357.0	1.0 0.0 0.5	52.0 81.1 4.1 81.2 362.9	1.0 0.0	0.0 618 53.0 83.6 -11.6 84.4 352
375.2	367.5	364.1	1.0 0.0 0.375	51.3 79.2 21.6 82.1 375.2	1.0 0.0	0.0 533 52.3 82.2 -0.1 82.2 359
386.7	375.0	371.2	1.0 0.0 0.25	50.8 77.9 39.2 87.2 386.7	1.0 0.0	0.0 441 51.7 80.7 12.5 81.7 368
395.4	382.5	378.3	1.0 0.0 0.125	50.6 77.2 54.9 94.8 395.4	1.0 0.0	0.0 361 51.3 79.3 23.6 82.8 376
400.0	390.0	385.4	1.0 0.0 0.0	50.4 76.9 64.5 100.4 400.0	1.0 0.0	0.0 263 50.9 78.3 37.3 86.7 385



see similar files: http://130.149.60.45/~farbmetrik/RE51/RE51.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS  
application for measurement of display output, no separation  
TUB material: code=rh4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>s</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM<sub>d</sub>: h<sub>ab,d</sub> = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with columns for device colors (h<sub>ab,d</sub>, h<sub>ab,s</sub>, h<sub>ab,e</sub>, r<sub>gb</sub><sup>\*</sup>, d<sub>s</sub>361Mi, LAB<sup>\*</sup>, d<sub>sx</sub>361Mi (x=LabCh), R<sub>d</sub>, r<sub>gb</sub><sup>\*</sup>, d<sub>s</sub>361Mi, LAB<sup>\*</sup>, d<sub>sx</sub>361Mi (x=LabCh), R<sub>s</sub>, r<sub>gb</sub><sup>\*</sup>, d<sub>e</sub>361Mi, LAB<sup>\*</sup>, d<sub>ex</sub>361Mi (x=LabCh), R<sub>e</sub>, r<sub>gb</sub><sup>\*</sup>, d<sub>s</sub>361Mi, r<sub>gb</sub><sup>%</sup>, d<sub>s</sub>361Mi, r<sub>gb</sub><sup>%</sup>, d<sub>e</sub>361Mi, r<sub>gb</sub><sup>%</sup>, d<sub>s</sub>361Mi, r<sub>gb</sub><sup>%</sup>, d<sub>e</sub>361Mi) and rows 40-82.

see similar files: http://130.149.60.45/~farbmetrik/RE51/RE51.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS application for measurement of display output, no separation TUB material: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>s</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBCM<sub>d</sub>: h<sub>ab,d</sub> = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with columns for device and elementary color data, including hue angles and colorimetric values. The table is organized into three main sections: device colors (RYGBCM<sub>d</sub>), elementary colors (RYGBM<sub>e</sub>), and standard colors (RYGBM<sub>s</sub>).

1-003630-L0 RE510-70 LAB\*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB\*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 7/29

TUB-test chart RE51; 1080 standard colours  
48 step hue circles; rgb-LabCh\*tables

input: rgb/cmyk -> rgb<sub>d</sub>  
output: transfer to rgb<sub>d</sub>

1-003630-F0

see similar files: http://130.149.60.45/~farbmetrik/RE51/RE51.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS  
application for measurement of display output, no separation

TUB material: code=rh4t4





Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>s</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM<sub>d</sub>: h<sub>ab,d</sub> = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with 16 columns: h<sub>ab,d</sub>, h<sub>ab,s</sub>, h<sub>ab,e</sub>, r<sub>gb</sub>\*\_dd361M, LAB\*\_\*\_ddsx361Mi (x=LabCh), r<sub>gb</sub>\*\_\*\_ds361Mi, LAB\*\_\*\_dsx361Mi (x=LabCh), r<sub>gb</sub>\*\_\*\_dd361Mi, r<sub>gb</sub>\*\_\*\_de361Mi, LAB\*\_\*\_dex361Mi (x=LabCh), r<sub>gb</sub>\*\_\*\_dd361Mi, r<sub>gb</sub>\*\_\*\_ds361Mi, r<sub>gb</sub>\*\_\*\_ds361Mi, r<sub>gb</sub>\*\_\*\_ds361Mi, r<sub>gb</sub>\*\_\*\_ds361Mi, r<sub>gb</sub>\*\_\*\_ds361Mi. Rows 139-196.

see similar files: http://130.149.60.45/~farbmetrik/RE51/RE51.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS  
application for measurement of display output, no separation  
TUB material: code=rh4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>s</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM<sub>d</sub>: h<sub>ab,d</sub> = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with columns: h<sub>ab,d</sub>, h<sub>ab,s</sub>, h<sub>ab,e</sub>, r<sub>gb</sub><sup>\*</sup>dd361M, LAB<sup>\*</sup>ddx361Mi (x=LabCh), C<sub>d</sub>, r<sub>gb</sub><sup>\*</sup>ds361Mi, LAB<sup>\*</sup>dsx361Mi (x=LabCh), 210C<sub>s</sub>, r<sub>gb</sub><sup>\*</sup>de361Mi, LAB<sup>\*</sup>dex361Mi (x=LabCh), 216C<sub>c</sub>, r<sub>gb</sub><sup>\*</sup>dd361Mi, r<sub>gb</sub><sup>a</sup>dd, r<sub>gb</sub><sup>a</sup>ds, r<sub>gb</sub><sup>a</sup>de. Rows 196-301.

1-003930-L0 RE510-70 LAB\*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB\*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 10/29

TUB-test chart RE51; 1080 standard colours  
48 step hue circles; r<sub>gb</sub>-LabCh\*tables

input: r<sub>gb</sub>/cmyk -> r<sub>gb</sub><sub>d</sub>  
output: transfer to r<sub>gb</sub><sub>d</sub>

1-003930-F0

see similar files: http://130.149.60.45/~farbmetrik/RE51/RE51.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS  
application for measurement of display output, no separation  
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>s</sub>; h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM<sub>d</sub>; h<sub>ab,d</sub> = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM<sub>e</sub>; h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

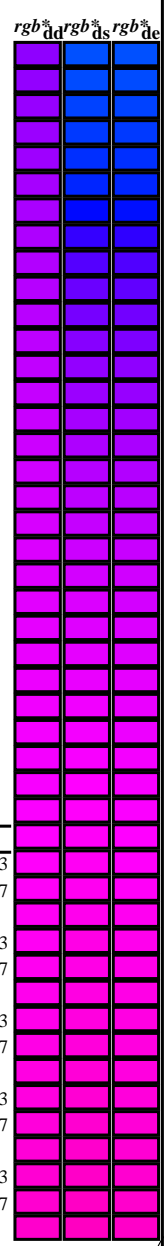
Table with columns for device and elementary color parameters (h<sub>ab</sub>, x, y, z, L, a, b) and rows for 311 different color samples.

see similar files: http://130.149.60.45/~farbmetrik/RE51/RE51.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS application for measurement of display output, no separation TUB material: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>s</sub>;  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
 Six hue angles of the device colours RYGBCM<sub>d</sub>;  $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$ ; Six hue angles of the elementary colours RYGBM<sub>e</sub>;  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb* dd361M	LAB* ddx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	
311	300	300	0.5 0.0 1.0	38.5 79.8 -89.7 120.0 311	0.0 0.274 1.0	38.4 52.2 -90.4 104.5 300	0.5 0.0 1.0	0.0 0.27 1.0	38.2 52.8 -90.6 105.0 300	
312	301	301	0.516 0.0 1.0	39.1 80.2 -88.7 119.6 312	0.0 0.254 1.0	37.4 55.3 -91.9 107.4 301	0.517 0.0 1.0	0.0 0.251 1.0	37.2 55.7 -92.1 107.7 301	
312	302	302	0.533 0.0 1.0	39.6 80.6 -87.8 119.2 312	0.0 0.222 1.0	36.1 58.8 -94.1 111.0 302	0.533 0.0 1.0	0.0 0.22 1.0	36.0 59.1 -94.2 111.3 302	
312	303	303	0.55 0.0 1.0	40.2 80.9 -86.9 118.8 312	0.0 0.188 1.0	34.8 62.6 -96.3 114.9 303	0.55 0.0 1.0	0.0 0.187 1.0	34.8 62.6 -96.3 115.0 303	
313	304	304	0.566 0.0 1.0	40.7 81.3 -86.0 118.3 313	0.0 0.153 1.0	33.5 66.4 -98.4 118.8 304	0.567 0.0 1.0	0.0 0.154 1.0	33.6 66.3 -98.3 118.6 304	
313	305	305	0.583 0.0 1.0	41.3 81.6 -85.1 117.9 313	0.0 0.109 1.0	32.2 70.4 -100.422.7 305	0.583 0.0 1.0	0.0 0.117 1.0	32.4 70.0 -100.212.3 304	
314	306	305	0.6 0.0 1.0	41.8 82.0 -84.1 117.5 314	0.0 0.024 1.0	30.8 74.8 -102.8127.2 306	0.6 0.0 1.0	0.0 0.036 1.0	31.0 74.2 -102.5126.6 305	
314	307	306	0.616 0.0 1.0	42.4 82.3 -83.2 117.0 314	0.172 0.0 1.0	31.6 76.5 -101.427.1 307	0.617 0.0 1.0	0.146 0.0 1.0	31.3 76.4 -102.0127.5 306	
315	308	307	0.633 0.0 1.0	43.0 82.7 -82.2 116.6 315	0.282 0.0 1.0	33.2 77.2 -98.6 125.3 308	0.633 0.0 1.0	0.263 0.0 1.0	32.9 77.0 -99.3 125.7 307	
315	309	308	0.65 0.0 1.0	43.6 83.2 -81.2 116.3 315	0.357 0.0 1.0	34.8 77.8 -96.0 123.7 309	0.65 0.0 1.0	0.335 0.0 1.0	34.3 77.6 -96.8 124.2 308	
316	310	309	0.666 0.0 1.0	44.2 83.7 -80.2 115.9 316	0.414 0.0 1.0	36.2 78.6 -93.6 122.3 310	0.667 0.0 1.0	0.396 0.0 1.0	35.8 78.3 -94.4 122.8 309	
316	311	310	0.683 0.0 1.0	44.8 84.1 -79.2 115.5 316	0.465 0.0 1.0	37.6 79.4 -91.2 121.0 311	0.683 0.0 1.0	0.445 0.0 1.0	37.1 79.1 -92.2 121.5 310	
317	312	311	0.7 0.0 1.0	45.4 84.6 -78.1 115.2 317	0.513 0.0 1.0	39.0 80.1 -88.9 119.8 312	0.7 0.0 1.0	0.493 0.0 1.0	38.4 79.8 -89.9 120.3 311	
317	313	312	0.716 0.0 1.0	46.0 85.0 -77.1 114.8 317	0.551 0.0 1.0	40.3 81.0 -86.8 118.8 313	0.717 0.0 1.0	0.532 0.0 1.0	39.6 80.6 -87.9 119.3 312	
318	314	313	0.733 0.0 1.0	46.6 85.4 -76.1 114.4 318	0.59 0.0 1.0	41.6 81.8 -84.6 117.8 314	0.733 0.0 1.0	0.569 0.0 1.0	40.8 81.4 -85.8 118.3 313	
318	315	314	0.75 0.0 1.0	47.2 85.8 -75.1 114.0 318	0.628 0.0 1.0	42.8 82.6 -82.5 116.8 315	0.75 0.0 1.0	0.605 0.0 1.0	42.1 82.1 -83.8 117.4 314	
319	316	315	0.766 0.0 1.0	47.9 86.4 -74.0 113.8 319	0.66 0.0 1.0	44.0 83.5 -80.6 116.1 316	0.767 0.0 1.0	0.639 0.0 1.0	43.2 82.9 -81.8 116.6 315	
320	317	316	0.783 0.0 1.0	48.5 87.0 -72.9 113.5 320	0.692 0.0 1.0	45.2 84.4 -78.6 115.4 317	0.783 0.0 1.0	0.669 0.0 1.0	44.3 83.8 -80.0 115.9 316	
320	318	317	0.8 0.0 1.0	49.2 87.5 -71.8 113.2 320	0.724 0.0 1.0	46.3 85.2 -76.6 114.7 318	0.8 0.0 1.0	0.699 0.0 1.0	45.4 84.6 -78.1 115.2 317	
321	319	318	0.816 0.0 1.0	49.8 88.1 -70.7 113.0 321	0.755 0.0 1.0	47.5 86.0 -74.7 114.0 319	0.817 0.0 1.0	0.729 0.0 1.0	46.5 85.4 -76.3 114.5 318	
321	320	319	0.833 0.0 1.0	50.5 88.6 -69.6 112.7 321	0.783 0.0 1.0	48.6 87.0 -72.9 113.6 320	0.833 0.0 1.0	0.758 0.0 1.0	47.6 86.2 -74.5 114.0 319	
322	321	320	0.85 0.0 1.0	51.2 89.1 -68.5 112.4 322	0.81 0.0 1.0	49.7 87.9 -71.1 113.1 321	0.85 0.0 1.0	0.785 0.0 1.0	48.6 87.1 -72.8 113.5 320	
323	322	321	0.866 0.0 1.0	51.8 89.6 -67.4 112.1 323	0.838 0.0 1.0	50.7 88.8 -69.3 112.7 322	0.867 0.0 1.0	0.811 0.0 1.0	49.7 87.9 -71.0 113.1 321	
323	323	321	0.883 0.0 1.0	52.5 90.1 -66.3 111.9 323	0.866 0.0 1.0	51.8 89.6 -67.4 112.2 323	0.883 0.0 1.0	0.837 0.0 1.0	50.7 88.8 -69.3 112.7 321	
324	324	322	0.9 0.0 1.0	53.2 90.8 -65.2 111.8 324	0.892 0.0 1.0	52.9 90.5 -65.7 111.9 324	0.9 0.0 1.0	0.864 0.0 1.0	51.7 89.5 -67.6 112.2 322	
324	325	323	0.916 0.0 1.0	53.8 91.4 -64.1 111.6 324	0.918 0.0 1.0	53.9 91.5 -64.0 111.7 325	0.917 0.0 1.0	0.889 0.0 1.0	52.8 90.4 -65.9 111.9 323	
325	326	324	0.933 0.0 1.0	54.5 92.0 -62.9 111.5 325	0.943 0.0 1.0	55.0 92.4 -62.2 111.5 326	0.933 0.0 1.0	0.913 0.0 1.0	53.7 91.3 -64.3 111.7 324	
326	327	325	0.95 0.0 1.0	55.2 92.6 -61.8 111.4 326	0.969 0.0 1.0	56.0 93.3 -60.5 111.3 327	0.95 0.0 1.0	0.937 0.0 1.0	54.7 92.2 -62.6 111.5 325	
326	328	326	0.966 0.0 1.0	55.9 93.2 -60.7 111.2 326	0.994 0.0 1.0	57.1 94.2 -58.7 111.0 328	0.967 0.0 1.0	0.961 0.0 1.0	55.7 93.1 -61.0 111.3 326	
327	329	327	0.983 0.0 1.0	56.6 93.8 -59.5 111.1 327	1.0 0.0	0.984 57.1 93.9 -56.4 109.6 329	0.983 0.0 1.0	0.985 0.0 1.0	56.7 93.9 -59.3 111.1 327	
328	330	328	1.0 0.0 1.0	57.2 94.3 -58.4 110.9 328	$M_d$ 1.0 0.0	0.962 56.8 93.4 -53.8 107.8 330 $M_s$	1.0 0.0 1.0	1.0 0.0	0.992 57.2 94.2 -57.4 110.3 328 $M_e$	
329	331	329	1.0 0.0	0.983 57.0 93.9 -56.4 109.5 329	1.0 0.0	0.941 56.5 92.7 -51.3 106.0 331	1.0 0.0	0.983	1.0 0.0	0.972 56.9 93.6 -54.9 108.6 329
329	332	330	1.0 0.0	0.966 56.8 93.4 -54.4 108.1 329	1.0 0.0	0.919 56.2 92.0 -48.8 104.2 332	1.0 0.0	0.967	1.0 0.0	0.951 56.7 93.0 -52.5 106.9 330
330	333	331	1.0 0.0	0.95 56.6 92.9 -52.4 106.7 330	1.0 0.0	0.898 55.9 91.2 -46.4 102.4 333	1.0 0.0	0.95	1.0 0.0	0.931 56.4 92.4 -50.2 105.2 331
331	334	332	1.0 0.0	0.933 56.4 92.4 -50.5 105.3 331	1.0 0.0	0.876 55.7 90.4 -44.0 100.5 334	1.0 0.0	0.933	1.0 0.0	0.911 56.1 91.7 -47.8 103.4 332
332	335	333	1.0 0.0	0.916 56.1 91.8 -48.6 103.9 332	1.0 0.0	0.86 55.5 90.0 -41.9 99.3 335	1.0 0.0	0.917	1.0 0.0	0.89 55.8 90.9 -45.5 101.7 333
332	336	334	1.0 0.0	0.9 55.9 91.2 -46.7 102.5 332	1.0 0.0	0.843 55.3 89.6 -39.8 98.3 336	1.0 0.0	0.9	1.0 0.0	0.871 55.6 90.2 -43.3 100.2 334
333	337	335	1.0 0.0	0.883 55.7 90.6 -44.8 101.1 333	1.0 0.0	0.827 55.1 89.2 -37.8 96.9 337	1.0 0.0	0.883	1.0 0.0	0.856 55.4 89.9 -41.4 99.0 335
334	338	336	1.0 0.0	0.866 55.5 90.1 -42.8 99.8 334	1.0 0.0	0.811 54.9 88.8 -35.8 95.8 338	1.0 0.0	0.867	1.0 0.0	0.84 55.2 89.6 -39.4 97.9 336
335	339	337	1.0 0.0	0.85 55.3 89.8 -40.7 98.6 335	1.0 0.0	0.794 54.7 88.3 -33.8 94.6 339	1.0 0.0	0.85	1.0 0.0	0.825 55.1 89.2 -37.5 96.8 337
336	340	338	1.0 0.0	0.833 55.1 89.4 -38.6 97.4 336	1.0 0.0	0.778 54.5 87.7 -31.8 93.4 340	1.0 0.0	0.833	1.0 0.0	0.809 54.9 88.7 -35.6 95.7 338
337	341	339	1.0 0.0	0.816 54.9 88.9 -36.6 96.2 337	1.0 0.0	0.761 54.3 87.2 -29.9 92.2 341	1.0 0.0	0.817	1.0 0.0	0.794 54.7 88.3 -33.7 94.5 339
338	342	339	1.0 0.0	0.8 54.7 88.4 -34.5 94.9 338	1.0 0.0	0.746 54.2 86.7 -28.1 91.1 342	1.0 0.0	0.8	1.0 0.0	0.778 54.5 87.8 -31.9 93.4 339
339	343	340	1.0 0.0	0.783 54.5 87.9 -32.5 93.7 339	1.0 0.0	0.733 54.1 86.5 -26.3 90.5 343	1.0 0.0	0.783	1.0 0.0	0.763 54.4 87.2 -30.0 92.3 340
340	344	341	1.0 0.0	0.766 54.4 87.3 -30.6 92.5 340	1.0 0.0	0.72 53.9 86.3 -24.6 89.8 344	1.0 0.0	0.767	1.0 0.0	0.748 54.2 86.7 -28.3 91.2 341
341	345	342	1.0 0.0	0.75 54.2 86.7 -28.6 91.3 341	1.0 0.0	0.707 53.8 86.0 -23.0 89.1 345	1.0 0.0	0.75	1.0 0.0	0.735 54.1 86.5 -26.6 90.6 342



see similar files: http://130.149.60.45/~farbmetrik/RE51/RE51L0NP.PDF /.PS; transfer output  
 technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS  
 application for measurement of display output, no separation  
 TUB material: code=rh4ta

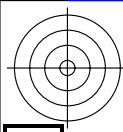
Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>s</sub>; h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Six hue angles of the device colours RYGBM<sub>d</sub>; h<sub>ab,d</sub> = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM<sub>e</sub>; h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb* dd361M	LAB* ddx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	rgb* dd	rgb* ds	rgb* de
341	345	342	1.0	0.0	0.75	54.2	86.7	-28.6	91.3	341	1.0	0.0	0.75	
342	346	343	1.0	0.0	0.733	54.0	86.5	-26.4	90.4	342	1.0	0.0	0.733	
344	347	344	1.0	0.0	0.716	53.8	86.2	-24.2	89.5	344	1.0	0.0	0.717	
345	348	345	1.0	0.0	0.7	53.7	85.8	-22.0	88.6	345	1.0	0.0	0.7	
346	349	346	1.0	0.0	0.683	53.5	85.4	-19.9	87.7	346	1.0	0.0	0.683	
348	350	347	1.0	0.0	0.666	53.4	85.0	-17.8	86.8	348	1.0	0.0	0.667	
349	351	348	1.0	0.0	0.65	53.2	84.5	-15.7	85.9	349	1.0	0.0	0.65	
350	352	349	1.0	0.0	0.633	53.0	83.9	-13.6	85.0	350	1.0	0.0	0.633	
352	353	350	1.0	0.0	0.616	52.9	83.6	-11.4	84.3	352	1.0	0.0	0.617	
353	354	351	1.0	0.0	0.6	52.8	83.4	-9.1	83.9	353	1.0	0.0	0.6	
355	355	352	1.0	0.0	0.583	52.7	83.2	-6.9	83.5	355	1.0	0.0	0.583	
356	356	353	1.0	0.0	0.566	52.5	82.9	-4.6	83.0	356	1.0	0.0	0.567	
358	357	354	1.0	0.0	0.55	52.4	82.5	-2.4	82.6	358	1.0	0.0	0.55	
359	358	355	1.0	0.0	0.533	52.3	82.1	-0.1	82.1	359	1.0	0.0	0.533	
361	359	356	1.0	0.0	0.516	52.1	81.6	2.0	81.7	361	1.0	0.0	0.517	
362	360	352	1.0	0.0	0.5	52.0	81.1	4.1	81.2	362	1.0	0.0	0.5	
364	361	353	1.0	0.0	0.483	51.9	81.1	6.5	81.3	364	1.0	0.0	0.483	
366	362	354	1.0	0.0	0.466	51.8	81.0	8.8	81.5	366	1.0	0.0	0.467	
367	363	355	1.0	0.0	0.45	51.7	80.8	11.1	81.6	367	1.0	0.0	0.45	
369	364	356	1.0	0.0	0.433	51.6	80.6	13.5	81.7	369	1.0	0.0	0.433	
371	365	357	1.0	0.0	0.416	51.5	80.3	15.8	81.8	371	1.0	0.0	0.417	
372	366	358	1.0	0.0	0.4	51.4	79.9	18.1	81.9	372	1.0	0.0	0.4	
374	367	359	1.0	0.0	0.383	51.4	79.5	20.4	82.1	374	1.0	0.0	0.383	
376	368	360	1.0	0.0	0.366	51.3	79.3	22.7	82.5	376	1.0	0.0	0.367	
377	369	362	1.0	0.0	0.35	51.2	79.3	25.1	83.2	377	1.0	0.0	0.35	
379	370	363	1.0	0.0	0.333	51.1	79.2	27.4	83.8	379	1.0	0.0	0.333	
380	371	364	1.0	0.0	0.316	51.1	79.1	29.7	84.5	380	1.0	0.0	0.317	
382	372	365	1.0	0.0	0.3	51.0	78.9	32.1	85.2	382	1.0	0.0	0.3	
383	373	366	1.0	0.0	0.283	51.0	78.7	34.4	85.9	383	1.0	0.0	0.283	
385	374	367	1.0	0.0	0.266	50.9	78.3	36.8	86.6	385	1.0	0.0	0.267	
386	375	368	1.0	0.0	0.25	50.8	77.9	39.2	87.2	386	1.0	0.0	0.25	
387	376	369	1.0	0.0	0.233	50.8	78.0	41.2	88.2	387	1.0	0.0	0.233	
389	377	370	1.0	0.0	0.216	50.8	78.0	43.3	89.2	389	1.0	0.0	0.217	
390	378	372	1.0	0.0	0.2	50.7	78.0	45.4	90.2	390	1.0	0.0	0.2	
391	379	373	1.0	0.0	0.183	50.7	77.9	47.5	91.2	391	1.0	0.0	0.183	
392	380	374	1.0	0.0	0.166	50.6	77.8	49.6	92.2	392	1.0	0.0	0.167	
393	381	375	1.0	0.0	0.15	50.6	77.6	51.9	93.3	393	1.0	0.0	0.15	
394	382	376	1.0	0.0	0.133	50.6	77.3	53.9	94.3	394	1.0	0.0	0.133	
395	383	377	1.0	0.0	0.116	50.5	77.2	55.6	95.1	395	1.0	0.0	0.117	
396	384	378	1.0	0.0	0.1	50.5	77.2	56.8	95.9	396	1.0	0.0	0.1	
396	385	379	1.0	0.0	0.083	50.5	77.2	58.1	96.6	396	1.0	0.0	0.083	
397	386	381	1.0	0.0	0.066	50.5	77.2	59.4	97.4	397	1.0	0.0	0.067	
398	387	382	1.0	0.0	0.049	50.5	77.1	60.6	98.1	398	1.0	0.0	0.05	
398	388	383	1.0	0.0	0.033	50.5	77.1	61.9	98.9	398	1.0	0.0	0.033	
399	389	384	1.0	0.0	0.016	50.5	77.0	63.2	99.6	399	1.0	0.0	0.017	
400	390	385	1.0	0.0	0.0	50.4	76.9	64.5	100.4	400	1.0	0.0	0.0	

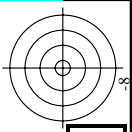
see similar files: http://130.149.60.45/~farbmetrik/RE51/RE51.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS  
application for measurement of display output, no separation  
TUB material: code=rha4ta



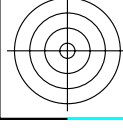
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 application for measurement of display output, no separation

TUB material: code=rha4ta

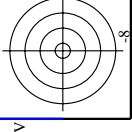


nif	HC*Fd	rgb_Fd	icr_Fd	hsa_Fd	rgb*Fd	LabCH*Fd	LabCH*Fd	DF*Fd	hsa*Fd	rgb*Fd	LabCH*Fd	LabCH*Fd	
0/648	RO0Y_100_100a	1.0	0.0	0.0	0.0	50.4	76.9	64.5	100.4	40.0	50.4	76.9	
1/657	R13Y_100_100a	1.0	0.0	0.5	37	1.0	0.116	0.0	98.5	41.2	51.4	74.1	
2/666	R25Y_100_100a	1.0	0.25	0.0	1.0	0.233	0.0	64.9	98.3	0.2	3.9	64.9	
3/675	R38Y_100_100a	1.0	0.375	0.0	1.0	0.366	0.0	67.6	65.8	0.4	4.2	67.6	
4/684	R50Y_100_100a	1.0	0.5	0.0	1.0	0.5	0.0	54.0	66.7	0.9	5.7	54.0	
5/693	R63Y_100_100a	1.0	0.625	0.0	1.0	0.625	0.0	67.9	88.1	0.7	5.1	67.9	
6/702	R75Y_100_100a	1.0	0.75	0.0	1.0	0.75	0.0	63.6	41.3	71.0	82.2	63.6	
7/711	R88Y_100_100a	1.0	0.875	0.0	1.0	0.875	0.0	75.0	82.9	71.0	1.2	75.0	
8/720	Y00G_100_100a	1.0	1.0	0.0	0.0	0.0	0.0	90.7	93.0	102.8	0.0	90.7	
9/639	Y13G_100_100a	0.875	1.0	0.0	0.0	0.875	1.0	33.0	88.1	110.5	0.8	33.0	
10/558	Y25G_100_100a	0.75	1.0	0.0	0.0	0.75	1.0	44.9	85.8	117.6	1.6	44.9	
11/477	Y38G_100_100a	0.625	1.0	0.0	0.0	0.625	1.0	55.7	83.9	100.7	2.3	55.7	
12/396	Y50G_100_100a	0.5	1.0	0.0	0.0	0.5	1.0	65.2	82.4	105.1	3.1	65.2	
13/315	Y63G_100_100a	0.375	1.0	0.0	0.0	0.375	1.0	72.8	81.2	109.3	3.8	72.8	
14/234	Y75G_100_100a	0.25	1.0	0.0	0.0	0.25	1.0	80.4	102.1	134.1	4.4	80.4	
15/153	Y88G_100_100a	0.125	1.0	0.0	0.0	0.125	1.0	88.0	114.2	135.5	5.1	88.0	
16/72	G00C_100_100a	0.0	1.0	0.0	0.0	0.0	0.0	83.6	82.7	79.8	11.0	83.6	
17/73	G13C_100_100a	0.0	1.0	0.05	157	0.0	0.116	0.0	85.6	82.1	76.8	11.2	85.6
18/74	G25C_100_100a	0.0	1.0	0.25	1.0	0.233	0.0	83.7	80.8	70.1	10.6	83.7	
19/75	G38C_100_100a	0.0	1.0	0.375	1.0	0.366	0.0	77.7	58.1	97.1	14.3	77.7	
20/76	G50C_100_100a	0.0	1.0	0.5	1.0	0.5	0.0	84.3	73.7	44.9	86.4	84.3	
21/77	G63C_100_100a	0.0	1.0	0.625	1.0	0.625	0.0	84.7	68.5	30.6	135.9	84.7	
22/78	G75C_100_100a	0.0	1.0	0.75	1.0	0.75	0.0	85.3	62.0	15.8	164.9	85.3	
23/79	G88C_100_100a	0.0	1.0	0.875	1.0	0.875	0.0	86.0	54.5	1.0	180.0	86.0	
24/80	C00B_100_100a	0.0	1.0	0.0	0.0	0.0	0.0	86.8	46.1	196.3	0.0	86.8	
25/71	C13B_100_100a	0.0	1.0	0.05	217	0.0	0.883	1.0	77.9	32.3	27.0	42.1	77.9
26/62	C25B_100_100a	0.0	1.0	0.25	224	0.0	0.766	1.0	60.1	40.7	24.2	3.0	60.1
27/53	C38B_100_100a	0.0	1.0	0.375	232	0.0	0.633	1.0	49.3	33.9	26.8	3.7	49.3
28/44	C50B_100_100a	0.0	1.0	0.5	240	0.0	0.5	1.0	38.5	29.8	20.5	3.0	38.5
29/35	C63B_100_100a	0.0	1.0	0.625	248	0.0	0.366	1.0	43.4	18.3	6.3	0.7	43.4
30/26	C75B_100_100a	0.0	1.0	0.75	256	0.0	0.233	1.0	36.5	57.6	30.6	0.7	36.5
31/17	C88B_100_100a	0.0	1.0	0.875	263	0.0	0.116	1.0	32.3	70.0	32.3	0.0	32.3
32/8	B00M_100_100a	0.0	1.0	0.0	270	0.0	0.0	1.0	30.3	76.0	30.3	0.0	30.3
33/89	B13M_100_100a	0.125	1.0	0.05	277	0.0	0.116	1.0	30.9	76.2	30.9	0.0	30.9
34/170	B25M_100_100a	0.25	1.0	0.25	284	0.233	0.0	1.0	32.3	76.7	32.3	0.0	32.3
35/251	B38M_100_100a	0.375	1.0	0.375	292	0.366	0.0	1.0	34.9	77.9	34.9	0.0	34.9
36/332	B50M_100_100a	0.5	1.0	0.5	300	0.5	0.0	1.0	38.5	79.8	38.5	0.0	38.5
37/413	B63M_100_100a	0.625	1.0	0.625	308	0.633	0.0	1.0	43.0	82.7	43.0	0.0	43.0
38/494	B75M_100_100a	0.75	1.0	0.75	316	0.766	0.0	1.0	47.2	85.8	47.2	0.0	47.2
39/575	B88M_100_100a	0.875	1.0	0.875	323	0.883	0.0	1.0	52.5	90.1	52.5	0.0	52.5
40/656	M00R_100_100a	1.0	0.0	1.0	330	1.0	0.0	1.0	57.2	94.3	57.2	0.0	57.2
41/655	M13R_100_100a	1.0	0.0	0.875	337	1.0	0.0	0.883	55.6	90.3	55.6	0.0	55.6
42/654	M25R_100_100a	1.0	0.0	0.75	344	1.0	0.0	0.766	54.4	87.3	54.4	0.0	54.4
43/653	M38R_100_100a	1.0	0.0	0.625	352	1.0	0.0	0.633	53.0	83.9	53.0	0.0	53.0
44/652	M50R_100_100a	1.0	0.0	0.5	360	1.0	0.0	0.5	52.0	81.1	52.0	0.0	52.0
45/651	M63R_100_100a	1.0	0.0	0.375	368	1.0	0.0	0.366	51.3	79.3	51.3	0.0	51.3
46/650	M75R_100_100a	1.0	0.0	0.25	376	1.0	0.0	0.233	50.8	77.2	50.8	0.0	50.8
47/649	M88R_100_100a	1.0	0.0	0.125	383	1.0	0.0	0.116	50.5	74.2	50.5	0.0	50.5
48/648	R00Y_100_100a	1.0	0.0	0.0	390	1.0	0.0	0.0	50.4	76.9	50.4	0.0	50.4
49/0	NV_000a	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50/91	NV_013a	0.125	0.0	0.0	360	0.125	0.125	0.125	0.0	0.0	0.0	0.0	0.0
51/182	NV_025a	0.25	0.0	0.25	360	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0
52/273	NV_038a	0.375	0.0	0.375	360	0.375	0.375	0.375	0.0	0.0	0.0	0.0	0.0
53/364	NV_050a	0.5	0.0	0.5	360	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
54/455	NV_063a	0.625	0.0	0.625	360	0.625	0.625	0.625	0.0	0.0	0.0	0.0	0.0
55/546	NV_075a	0.75	0.0	0.75	360	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0
56/637	NV_088a	0.875	0.0	0.875	360	0.875	0.875	0.875	0.0	0.0	0.0	0.0	0.0
57/728	NV_100a	1.0	0.0	1.0	360	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0

Mean color difference of this page:  $\Delta E^* = 0.9$



see similar files: <http://130.149.60.45/~farbmetrik/RE51/RE51.HTM>  
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



input: *rgb/cmyk* -> *rgbd*  
 output: transfer to *rgbd*

TUB-test chart RE51; 1080 standard colours  
 colors and differences,  $\Delta E^*$



nif	HC*Fd	rgb*Fd	ie1*Fd	hs1*Fd	rgb*Fd	LabCH*Fd	LabCH*Fd	rgb*Fd	DF*Fd	hsAMd	rgb*Md	LabCH*Md	LabCH*Md
0/668	ROXY_100_100a	1.0	0.0	0.0	0.0	0.0	0.0	0.0	39.9	389	1.0	0.0	0.0
1/648	R25Y_100_100a	0.0	0.5	0.5	0.0	50.4	64.5	0.0	64.5	64.5	0.0	50.4	64.5
2/684	R50Y_100_100a	0.0	0.5	0.5	0.0	53.7	65.8	0.0	65.8	65.8	0.0	53.7	65.8
3/702	R75Y_100_100a	0.0	0.5	0.5	0.0	67.6	81.0	0.0	81.0	81.0	0.0	67.6	81.0
4/720	R100Y_100_100a	0.0	0.5	0.5	0.0	82.2	94.4	0.0	94.4	94.4	0.0	82.2	94.4
5/558	Y25C_100_100a	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6/396	Y50C_100_100a	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7/234	Y75C_100_100a	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8/72	COBE_100_100a	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9/72	COBE_100_100b	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10/76	G25B_100_100a	0.0	0.0	0.0	0.5	83.6	79.8	0.0	79.8	79.8	0.0	83.6	79.8
11/440	G50B_100_100a	0.0	0.0	0.0	0.5	83.6	79.8	0.0	79.8	79.8	0.0	83.6	79.8
12/880	G75B_100_100a	0.0	0.0	0.0	0.5	83.6	79.8	0.0	79.8	79.8	0.0	83.6	79.8
13/8	B00M_100_100a	0.0	0.0	0.0	0.5	83.6	79.8	0.0	79.8	79.8	0.0	83.6	79.8
14/332	B25R_100_100a	0.0	0.0	0.0	0.5	83.6	79.8	0.0	79.8	79.8	0.0	83.6	79.8
15/656	B50R_100_100a	0.0	0.0	0.0	0.5	83.6	79.8	0.0	79.8	79.8	0.0	83.6	79.8
16/652	B75R_100_100a	0.0	0.0	0.0	0.5	83.6	79.8	0.0	79.8	79.8	0.0	83.6	79.8
17/648	ROXY_100_100a	0.0	0.0	0.0	0.5	50.4	64.5	0.0	64.5	64.5	0.0	50.4	64.5
18/688	ROXY_100_050a	0.0	0.0	0.0	0.5	50.4	64.5	0.0	64.5	64.5	0.0	50.4	64.5
19/706	ROXY_100_025a	0.0	0.0	0.0	0.5	50.4	64.5	0.0	64.5	64.5	0.0	50.4	64.5
20/724	Y00C_100_050a	0.0	0.0	0.0	0.5	50.4	64.5	0.0	64.5	64.5	0.0	50.4	64.5
21/400	Y00C_100_025a	0.0	0.0	0.0	0.5	50.4	64.5	0.0	64.5	64.5	0.0	50.4	64.5
22/400	G00B_100_050a	0.0	0.0	0.0	0.5	50.4	64.5	0.0	64.5	64.5	0.0	50.4	64.5
23/400	G00B_100_025a	0.0	0.0	0.0	0.5	50.4	64.5	0.0	64.5	64.5	0.0	50.4	64.5
24/688	ROXY_100_050a	0.0	0.0	0.0	0.5	50.4	64.5	0.0	64.5	64.5	0.0	50.4	64.5
25/692	ROXY_100_025a	0.0	0.0	0.0	0.5	50.4	64.5	0.0	64.5	64.5	0.0	50.4	64.5
26/688	ROXY_100_050a	0.0	0.0	0.0	0.5	50.4	64.5	0.0	64.5	64.5	0.0	50.4	64.5
27/506	ROXY_075_050a	0.75	0.25	0.25	0.75	49.0	38.4	0.25	38.4	32.2	0.25	49.0	38.4
28/524	ROXY_075_025a	0.75	0.25	0.25	0.75	49.0	38.4	0.25	38.4	32.2	0.25	49.0	38.4
29/542	Y00C_075_050a	0.75	0.25	0.25	0.75	49.0	38.4	0.25	38.4	32.2	0.25	49.0	38.4
30/380	Y00C_075_025a	0.75	0.25	0.25	0.75	49.0	38.4	0.25	38.4	32.2	0.25	49.0	38.4
31/218	G00B_075_050a	0.25	0.75	0.25	0.75	65.6	65.6	0.25	65.6	65.6	0.25	65.6	65.6
32/222	G50B_075_050a	0.25	0.75	0.25	0.75	67.2	67.2	0.25	67.2	67.2	0.25	67.2	67.2
33/186	B00R_075_050a	0.25	0.75	0.25	0.75	39.0	38.0	0.25	38.0	38.0	0.25	39.0	38.0
34/510	B50R_075_050a	0.75	0.25	0.25	0.75	47.1	47.1	0.75	47.1	47.1	0.75	47.1	47.1
35/506	ROXY_075_050a	0.75	0.25	0.25	0.75	49.0	38.4	0.25	38.4	32.2	0.25	49.0	38.4
36/324	ROXY_050_050a	0.5	0.0	0.0	0.5	25.2	38.4	0.0	38.4	32.2	0.0	25.2	38.4
37/342	ROXY_050_025a	0.5	0.0	0.0	0.5	25.2	38.4	0.0	38.4	32.2	0.0	25.2	38.4
38/360	Y00C_050_050a	0.5	0.0	0.0	0.5	25.2	38.4	0.0	38.4	32.2	0.0	25.2	38.4
39/198	Y00C_050_025a	0.5	0.0	0.0	0.5	25.2	38.4	0.0	38.4	32.2	0.0	25.2	38.4
40/36	G00B_050_050a	0.0	0.5	0.25	0.5	41.8	39.9	0.0	39.9	37.5	0.0	41.8	39.9
41/40	G50B_050_050a	0.0	0.5	0.25	0.5	43.4	43.4	0.0	43.4	43.4	0.0	43.4	43.4
42/4	B00R_050_050a	0.0	0.5	0.25	0.5	15.1	38.0	0.0	38.0	38.0	0.0	15.1	38.0
43/328	B50R_050_050a	0.5	0.0	0.5	0.5	28.6	47.1	0.5	47.1	47.1	0.5	28.6	47.1
44/324	ROXY_050_050a	0.5	0.0	0.5	0.5	25.2	38.4	0.0	38.4	32.2	0.0	25.2	38.4
45/0	NW_000a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46/91	NW_013a	0.125	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.0	11.9	0.0
47/182	NW_025a	0.25	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.0	23.8	0.0
48/273	NW_050a	0.375	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.0	35.7	0.0
49/364	NW_075a	0.5	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.0	47.7	0.0
50/455	NW_090a	0.625	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.0	59.6	0.0
51/546	NW_105a	0.75	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.0	71.5	0.0
52/637	NW_080a	0.875	0.875	0.875	0.875	83.7	0.0	0.0	0.0	0.0	0.0	83.7	0.0
53/728	NW_100a	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	95.4	0.0

Mean color difference of this page:  $\Delta E^* = 6.5$

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



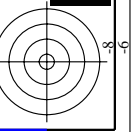
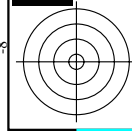
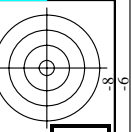
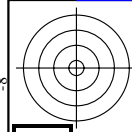


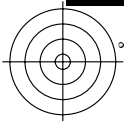
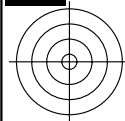
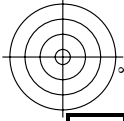
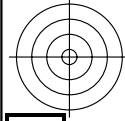
Table with 80 columns (M-F) and 80 rows (0-79). Each cell contains numerical values representing color differences between adjacent patches.

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

TUB-test chart RE51; 1080 standard colours colors and differences, ΔE\*

RES10-TN; Page 16/29-F





http://130.149.60.45/~farbmetrik/RE51/RE51LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 17/29

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

TUB-test chart RE51; 1080 standard colours colors and differences, ΔE\*

RES10-TN; Page 17/29-F

L-0031630-F0

Table with 161 rows and 16 columns of color data. Columns include: n, HHC\*Fd, rGb\*Fd, iEt\*Fd, iBs\*Fd, rGb\*Fd, LabCh\*Fd, LabCh\*Fd, rGb\*Fd, rGb\*Fd, LabCh\*Fd, LabCh\*Fd, rGb\*Fd, rGb\*Fd, LabCh\*Fd, LabCh\*Fd. Each row contains numerical values for these parameters.

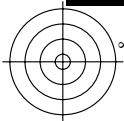
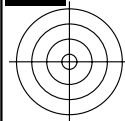
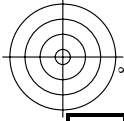
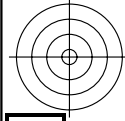
delta E\*\* = 8.3

Mean color difference of this page:

http://130.149.60.45/~farbmetrik/RE51/RE51LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/29

Table with 24 columns: n, HHC\*Fd, Rgb\*Fd, iCr\*Fd, iBs\*Fd, iRs\*Fd, LabCb\*Fd, LabCh\*Fd, Rgb\*Fd, Rgb\*Fd, LabCb\*Fd, LabCh\*Fd, Rgb\*Fd, Rgb\*Fd, LabCb\*Fd, LabCh\*Fd, Rgb\*Fd, Rgb\*Fd, LabCb\*Fd, LabCh\*Fd, Rgb\*Fd, Rgb\*Fd, LabCb\*Fd, LabCh\*Fd. Rows 162-242.

input: rgb/cmyk -> rgbd output: transfer to rgbd delta E\* = 10.2



http://130.149.60.45/~farbmetrik/RE51/RE51LONP.PDF /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 19/29

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

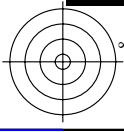
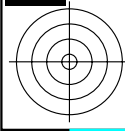
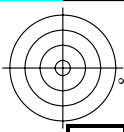
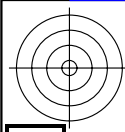
TUB-test chart RE51; 1080 standard colours colors and differences, AE\*

RES10-TN; Page 19/29-F

L-0031830-F0

Table with 323 rows and 10 columns: n, HHC\*Fd, rGb\*Fd, iEt\*Fd, iBs\*Fd, rGb\*Fd, LabCh\*Fd, LabCh\*Fd, rGb\*Fd, DF\*Fd. Each row contains numerical data for color calibration.

Mean color difference of this page: delta E\* = 10.5



http://130.149.60.45/~farbmetrik/RE51/RE51LONP.PDF /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/29

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

Mean color difference of this page: delta E\* = 10.1

Table with columns: n, HHC\*Fd, rpb\*Fd, iet\*Fd, ihs\*Fd, ias\*Fd, LabCh\*Fd, LabCh\*Pd, rpb\*Pd, LabCh\*Pd, DF\*Pd, ias\*Pd, rpb\*Pd, LabCh\*Pd. Rows 324-404.

TUB-test chart RE51; 1080 standard colours colors and differences, AE\*

http://130.149.60.45/~farbmetrik/RE51/RE51LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 21/29

Table with 10 columns: n, HHC\*Fd, rpb\*Fd, icr\*Fd, hsa\*Fd, rpb\*Fd, LabC\*Fd, LabC\*Fd, rpb\*Fd, LabC\*Fd. Each column contains numerical data for 485 rows.

input: rgb/cmyk -> rgbd output: transfer to rgbd delta E\* = 9.7

RES10-TN; Page 21/29-F

TUB-test chart RE51; 1080 standard colours colors and differences, ΔE\*

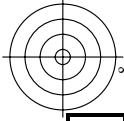
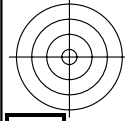


Table with 56 columns (n, HHC\*Fd, rpb\*Fd, icr\*Fd, hsa\*Fd, rpb\*Fd, LabCh\*Fd, LabCh\*Fd, rpb\*Fd, rpb\*Fd, LabCh\*Fd, DF\*Fd, hsa\*Fd, rpb\*Fd, LabCh\*Fd) and 56 rows of numerical data.

delta E\*\* = 9.4

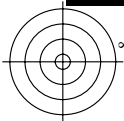
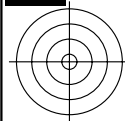
Mean color difference of this page:

http://130.149.60.45/~farbmetrik/RE51/RE51LONP.PDF /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 22/29

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

TUB-test chart RE51; 1080 standard colours colors and differences, ΔE\*

RE510-TN; Page 22/29-F



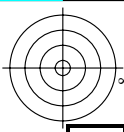
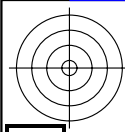


Table with 20 columns (n, HHC\*Fd, rpb\*Fd, icr\*Fd, hsa\*Fd, rpb\*Fd, LabCb\*Fd, LabCb\*Fd, rpb\*Fd, rpb\*Fd, LabCb\*Fd, LabCb\*Fd, rpb\*Fd, rpb\*Fd, LabCb\*Fd, LabCb\*Fd, rpb\*Fd, rpb\*Fd, LabCb\*Fd, LabCb\*Fd) and 647 rows of numerical data.

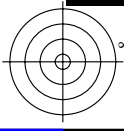
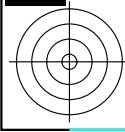
delta E\*\* = 9.2

Mean color difference of this page:

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

http://130.149.60.45/~farbmetrik/RE51/RE51LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 23/29

TUB-test chart RE51; 1080 standard colours colors and differences, AE\*



http://130.149.60.45/~farbmetrik/RE51/RE51L0NP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/29

Table with 728 rows and 10 columns: n, HHC\*Fd, rpb\*Fd, icr\*Fd, hsa\*Fd, rpb\*Fd, LabC\*Fd, LabCH\*Fd, DF\*Fd, hsa\*Fd, rpb\*Fd, LabCH\*Fd, LabCH\*Yd, rpb\*Yd, DF\*Yd, hsa\*Yd, rpb\*Yd. Each cell contains numerical values representing color differences and registration data.

Mean color difference of this page: delta E\*\* = 9.3

TUB-test chart RE51; 1080 standard colours colors and differences, AE\* input: rgb/cmlyk -> rrgb output: transfer to rrgb





Table with 30 columns: n, HHC\*Fd, rpb\*Fd, icr\*Fd, hsa\*Fd, rpb\*Fd, LabCH\*Fd, LabCH\*Pd, rpb\*Pd, DF\*Pd, hsa\*Pd, rpb\*Pd, LabCH\*Pd, LabCH\*Fd, DF\*Pd, hsa\*Pd, rpb\*Pd, LabCH\*Pd, LabCH\*Fd, DF\*Pd, hsa\*Pd, rpb\*Pd, LabCH\*Pd, LabCH\*Fd, DF\*Pd, hsa\*Pd, rpb\*Pd, LabCH\*Pd, LabCH\*Fd, DF\*Pd, hsa\*Pd, rpb\*Pd. The table contains numerical data for various color and grayscale patches.

http://130.149.60.45/~farbmetrik/RE51/RE51LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 26/29

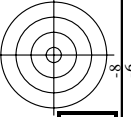
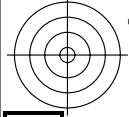
input: rgb/cmyk -> rgbd output: transfer to rgbd

TUB-test chart RE51; 1080 standard colours colors and differences, ΔE\*

RES10-TN; Page 26/29-F

L-0032530-F0





n	HC*Fd	rgb_Fd	icr_Fd	hsa_Fd	rgb*Fd	LabC*H*Fd	LabCH*F*Fd	DF*Fd	hsa*Fd	rgb*H*Fd	LabCH*H*Fd	LabCH*H*Fd
972	NW_0004	0.125	0.125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
973	NW_0124	0.125	0.125	0.0	0.125	0.125	0.125	0.0	0.0	0.0	0.0	0.0
974	NW_0254	0.25	0.25	0.0	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0
975	NW_0374	0.375	0.375	0.0	0.375	0.375	0.375	0.0	0.0	0.0	0.0	0.0
976	NW_0504	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
977	NW_0624	0.625	0.625	0.0	0.625	0.625	0.625	0.0	0.0	0.0	0.0	0.0
978	NW_0754	0.75	0.75	0.0	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0
979	NW_0874	0.875	0.875	0.0	0.875	0.875	0.875	0.0	0.0	0.0	0.0	0.0
980	NW_1004	1.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
981	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
982	NW_0124	0.125	0.125	0.0	0.125	0.125	0.125	0.0	0.0	0.0	0.0	0.0
983	NW_0254	0.25	0.25	0.0	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0
984	NW_0374	0.375	0.375	0.0	0.375	0.375	0.375	0.0	0.0	0.0	0.0	0.0
985	NW_0504	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
986	NW_0624	0.625	0.625	0.0	0.625	0.625	0.625	0.0	0.0	0.0	0.0	0.0
987	NW_0754	0.75	0.75	0.0	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0
988	NW_0874	0.875	0.875	0.0	0.875	0.875	0.875	0.0	0.0	0.0	0.0	0.0
989	NW_1004	1.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
990	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
991	NW_0124	0.125	0.125	0.0	0.125	0.125	0.125	0.0	0.0	0.0	0.0	0.0
992	NW_0254	0.25	0.25	0.0	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0
993	NW_0374	0.375	0.375	0.0	0.375	0.375	0.375	0.0	0.0	0.0	0.0	0.0
994	NW_0504	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
995	NW_0624	0.625	0.625	0.0	0.625	0.625	0.625	0.0	0.0	0.0	0.0	0.0
996	NW_0754	0.75	0.75	0.0	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0
997	NW_0874	0.875	0.875	0.0	0.875	0.875	0.875	0.0	0.0	0.0	0.0	0.0
998	NW_1004	1.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
999	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1000	NW_0124	0.125	0.125	0.0	0.125	0.125	0.125	0.0	0.0	0.0	0.0	0.0
1001	NW_0254	0.25	0.25	0.0	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0
1002	NW_0374	0.375	0.375	0.0	0.375	0.375	0.375	0.0	0.0	0.0	0.0	0.0
1003	NW_0504	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
1004	NW_0624	0.625	0.625	0.0	0.625	0.625	0.625	0.0	0.0	0.0	0.0	0.0
1005	NW_0754	0.75	0.75	0.0	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0
1006	NW_0874	0.875	0.875	0.0	0.875	0.875	0.875	0.0	0.0	0.0	0.0	0.0
1007	NW_1004	1.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
1008	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1009	NW_0064	0.066	0.066	0.066	0.066	0.066	0.066	6.2	0.0	0.0	0.0	0.0
1010	NW_0134	0.133	0.133	0.133	0.133	0.133	0.133	12.6	0.0	0.0	0.0	0.0
1011	NW_0204	0.2	0.2	0.2	0.2	0.2	0.2	19.0	0.0	0.0	0.0	0.0
1012	NW_0264	0.266	0.266	0.266	0.266	0.266	0.266	27.0	0.0	0.0	0.0	0.0
1013	NW_0334	0.333	0.333	0.333	0.333	0.333	0.333	34.0	0.0	0.0	0.0	0.0
1014	NW_0404	0.4	0.4	0.4	0.4	0.4	0.4	40.8	0.0	0.0	0.0	0.0
1015	NW_0464	0.466	0.466	0.466	0.466	0.466	0.466	47.3	0.0	0.0	0.0	0.0
1016	NW_0534	0.533	0.533	0.533	0.533	0.533	0.533	53.7	0.0	0.0	0.0	0.0
1017	NW_0604	0.6	0.6	0.6	0.6	0.6	0.6	60.0	0.0	0.0	0.0	0.0
1018	NW_0664	0.666	0.666	0.666	0.666	0.666	0.666	66.1	0.0	0.0	0.0	0.0
1019	NW_0734	0.734	0.734	0.734	0.734	0.734	0.734	72.3	0.0	0.0	0.0	0.0
1020	NW_0804	0.8	0.8	0.8	0.8	0.8	0.8	78.1	0.0	0.0	0.0	0.0
1021	NW_0864	0.866	0.866	0.866	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0
1022	NW_0934	0.933	0.933	0.933	0.933	0.933	0.933	89.7	0.0	0.0	0.0	0.0
1023	NW_1004	1.0	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1024	NW_0004	0.066	0.066	0.066	0.066	0.066	0.066	6.2	0.0	0.0	0.0	0.0
1025	NW_0064	0.133	0.133	0.133	0.133	0.133	0.133	12.6	0.0	0.0	0.0	0.0
1026	NW_0134	0.2	0.2	0.2	0.2	0.2	0.2	19.0	0.0	0.0	0.0	0.0
1027	NW_0204	0.266	0.266	0.266	0.266	0.266	0.266	27.0	0.0	0.0	0.0	0.0
1028	NW_0264	0.333	0.333	0.333	0.333	0.333	0.333	34.0	0.0	0.0	0.0	0.0
1029	NW_0334	0.4	0.4	0.4	0.4	0.4	0.4	40.8	0.0	0.0	0.0	0.0
1030	NW_0404	0.466	0.466	0.466	0.466	0.466	0.466	47.3	0.0	0.0	0.0	0.0
1031	NW_0464	0.533	0.533	0.533	0.533	0.533	0.533	53.7	0.0	0.0	0.0	0.0
1032	NW_0534	0.6	0.6	0.6	0.6	0.6	0.6	60.0	0.0	0.0	0.0	0.0
1033	NW_0604	0.666	0.666	0.666	0.666	0.666	0.666	66.1	0.0	0.0	0.0	0.0
1034	NW_0664	0.734	0.734	0.734	0.734	0.734	0.734	72.3	0.0	0.0	0.0	0.0
1035	NW_0734	0.8	0.8	0.8	0.8	0.8	0.8	78.1	0.0	0.0	0.0	0.0
1036	NW_0804	0.866	0.866	0.866	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0
1037	NW_0864	0.933	0.933	0.933	0.933	0.933	0.933	89.7	0.0	0.0	0.0	0.0
1038	NW_0934	1.0	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1039	NW_1004	0.066	0.066	0.066	0.066	0.066	0.066	6.2	0.0	0.0	0.0	0.0
1040	NW_0064	0.133	0.133	0.133	0.133	0.133	0.133	12.6	0.0	0.0	0.0	0.0
1041	NW_0134	0.2	0.2	0.2	0.2	0.2	0.2	19.0	0.0	0.0	0.0	0.0
1042	NW_0204	0.266	0.266	0.266	0.266	0.266	0.266	27.0	0.0	0.0	0.0	0.0
1043	NW_0264	0.333	0.333	0.333	0.333	0.333	0.333	34.0	0.0	0.0	0.0	0.0
1044	NW_0334	0.4	0.4	0.4	0.4	0.4	0.4	40.8	0.0	0.0	0.0	0.0
1045	NW_0404	0.466	0.466	0.466	0.466	0.466	0.466	47.3	0.0	0.0	0.0	0.0
1046	NW_0464	0.533	0.533	0.533	0.533	0.533	0.533	53.7	0.0	0.0	0.0	0.0
1047	NW_0534	0.6	0.6	0.6	0.6	0.6	0.6	60.0	0.0	0.0	0.0	0.0
1048	NW_0604	0.666	0.666	0.666	0.666	0.666	0.666	66.1	0.0	0.0	0.0	0.0
1049	NW_0664	0.734	0.734	0.734	0.734	0.734	0.734	72.3	0.0	0.0	0.0	0.0
1050	NW_0734	0.8	0.8	0.8	0.8	0.8	0.8	78.1	0.0	0.0	0.0	0.0
1051	NW_0804	0.866	0.866	0.866	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0
1052	NW_0864	0.933	0.933	0.933	0.933	0.933	0.933	89.7	0.0	0.0	0.0	0.0

Mean color difference of this page:

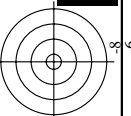
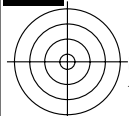
delta E\*<sub>uv</sub> = 1.6

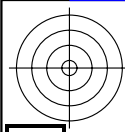
http://130.149.60.45/~farbmetrik/RE51/RE51L0NP.PDF /.PS; transfer output  
 N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/29

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

TUB-test chart RE51; 1080 standard colours  
 colors and differences, ΔE\*

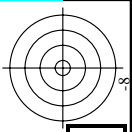
RE51-1N; Page 28/29-F





TUB registration: 20130201-RE51/RE51L0NP.PDF /.PS  
 application for measurement of display output, no separation

TUB material: code=rha4ta

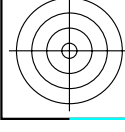


n	HC*Fd	rgb*Fd	icr*Fd	hsa*Fd	rgb**Fd	LabCH*Fd	LabCH**Fd	DF*Fd	hsaMd	rgb**Md	LabCH**Md	
1053	NW_0866d	0.866	0.866	0.866	0.866	0.866	0.866	0.0	360	1.0	95.4	0.0
1054	NW_0933d	0.933	0.933	0.933	0.933	0.933	0.933	0.0	360	1.0	95.4	0.0
1055	NW_1000d	1.0	1.0	1.0	1.0	1.0	1.0	0.0	360	1.0	95.4	0.0
1056	NW_0066d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4	0.0
1057	NW_0066d	0.066	0.066	0.066	0.066	0.066	0.066	0.0	360	1.0	95.4	0.0
1058	NW_0133d	0.133	0.133	0.133	0.133	0.133	0.133	0.0	360	1.0	95.4	0.0
1059	NW_0266d	0.266	0.266	0.266	0.266	0.266	0.266	0.0	360	1.0	95.4	0.0
1060	NW_0266d	0.266	0.266	0.266	0.266	0.266	0.266	0.0	360	1.0	95.4	0.0
1061	NW_0333d	0.333	0.333	0.333	0.333	0.333	0.333	0.0	360	1.0	95.4	0.0
1062	NW_0466d	0.4	0.4	0.4	0.4	0.4	0.4	0.0	360	1.0	95.4	0.0
1063	NW_0466d	0.466	0.466	0.466	0.466	0.466	0.466	0.0	360	1.0	95.4	0.0
1064	NW_0533d	0.533	0.533	0.533	0.533	0.533	0.533	0.0	360	1.0	95.4	0.0
1065	NW_0533d	0.533	0.533	0.533	0.533	0.533	0.533	0.0	360	1.0	95.4	0.0
1066	NW_0666d	0.6	0.6	0.6	0.6	0.6	0.6	0.0	360	1.0	95.4	0.0
1067	NW_0734d	0.734	0.734	0.734	0.734	0.734	0.734	0.0	360	1.0	95.4	0.0
1068	NW_0866d	0.8	0.8	0.8	0.8	0.8	0.8	0.0	360	1.0	95.4	0.0
1069	NW_0866d	0.866	0.866	0.866	0.866	0.866	0.866	0.0	360	1.0	95.4	0.0
1070	NW_0933d	0.933	0.933	0.933	0.933	0.933	0.933	0.0	360	1.0	95.4	0.0
1071	NW_1000d	1.0	1.0	1.0	1.0	1.0	1.0	0.0	360	1.0	95.4	0.0
1072	NW_0000d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4	0.0
1073	NW_1000d	1.0	1.0	1.0	1.0	1.0	1.0	0.0	360	1.0	95.4	0.0
1074	ROY_100_100d	1.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4	0.0
1075	G50B_100_100d	0.0	1.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4	0.0
1076	Y06C_100_100d	0.0	0.0	1.0	0.0	0.0	0.0	0.0	360	1.0	95.4	0.0
1077	B08_100_100d	0.0	0.0	0.0	1.0	0.0	0.0	0.0	360	1.0	95.4	0.0
1078	B08_100_100d	0.0	0.0	0.0	0.0	1.0	0.0	0.0	360	1.0	95.4	0.0
1079	B50R_100_100d	1.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4	0.0

Mean color difference of this page:  $\Delta E^* = 1.0$

http://130.149.60.45/~farbmetrik/RE51/RE51L0NP.PDF /.PS; transfer output  
 N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 29/29

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



see similar files: <http://130.149.60.45/~farbmetrik/RE51/RE51.HTM>  
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

