

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 96/360 = 0.26$

$H^*_ = Y00G_ -$

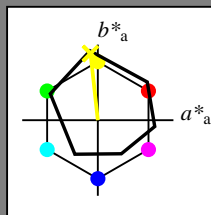
Data for any device (d) or elementary (e) colour:

$HIC^*_ -$

hue text for the colours of this page:

$H^*_ = Y00G_ -$

triangle lightness T^*



| ORS18a; adapted (a) CIELAB data | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| name | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| R _{-Ma} | 47.9 | 65.3 | 50.5 | 82.6 | 37 |
| Y _{-Ma} | 90.3 | -10.2 | 91.7 | 92.3 | 96 |
| G _{-Ma} | 50.9 | -62.8 | 34.9 | 71.9 | 150 |
| C _{-Ma} | 58.6 | -30.3 | -45.0 | 54.2 | 236 |
| B _{-Ma} | 25.7 | 31.0 | -44.4 | 54.2 | 305 |
| M _{-Ma} | 48.1 | 75.2 | -8.3 | 75.7 | 353 |
| N _{-Ma} | 18.0 | 0.0 | 0.0 | 0.0 | 0 |
| W _{-Ma} | 95.4 | 0.0 | 0.0 | 0.0 | 0 |
| R _{-CIE} | 39.9 | 58.7 | 27.9 | 65.0 | 25 |
| Y _{-CIE} | 81.2 | -2.8 | 71.5 | 71.6 | 92 |
| G _{-CIE} | 52.2 | -42.4 | 13.6 | 44.5 | 162 |
| B _{-CIE} | 30.5 | 1.4 | -46.4 | 46.4 | 271 |

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}$: 90 -9 88 88 96

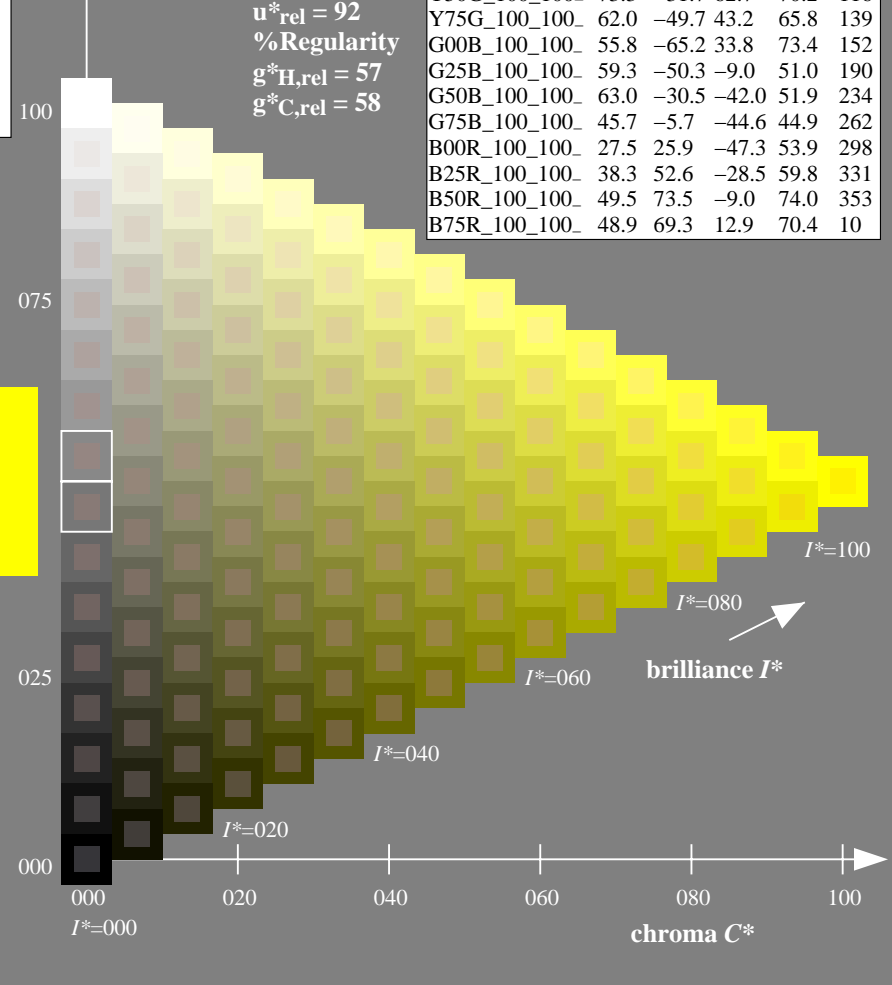
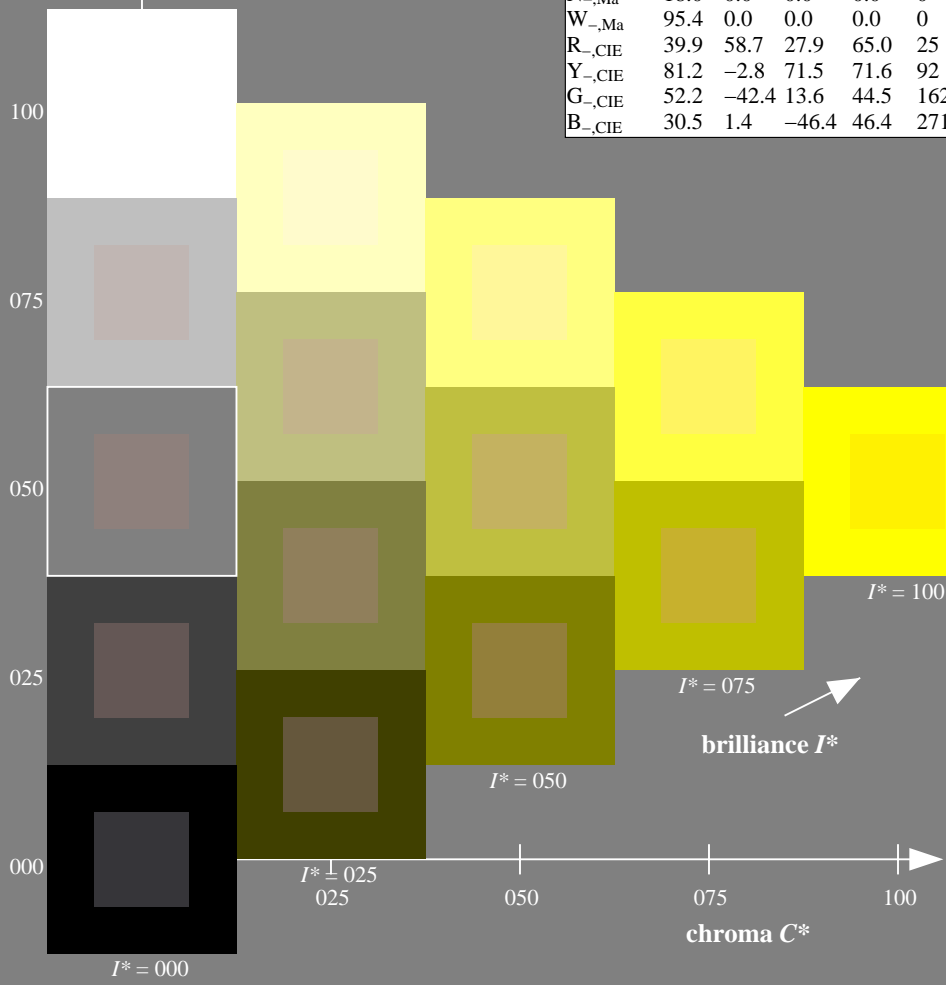
$HIC^*_{-,Ma}$: Y00G_100_100_

$rgbic^*_{-,Ma}$:

1.0 1.0 0.0 1.0 1.0

triangle lightness T^*

| ORS20a; adapted (a) CIELAB data | | | | | |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| $H^*_ -$ | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| R00Y_100_100_ | 48.4 | 66.1 | 40.2 | 77.3 | 31 |
| R25Y_100_100_ | 56.8 | 48.0 | 50.5 | 69.6 | 46 |
| R50Y_100_100_ | 68.6 | 25.0 | 63.9 | 68.6 | 68 |
| R75Y_100_100_ | 80.6 | 4.8 | 77.2 | 77.3 | 86 |
| Y00G_100_100_ | 90.2 | -9.6 | 88.2 | 88.7 | 96 |
| Y25G_100_100_ | 83.2 | -18.4 | 79.9 | 81.9 | 102 |
| Y50G_100_100_ | 73.3 | -31.7 | 62.7 | 70.2 | 116 |
| Y75G_100_100_ | 62.0 | -49.7 | 43.2 | 65.8 | 139 |
| G00B_100_100_ | 55.8 | -65.2 | 33.8 | 73.4 | 152 |
| G25B_100_100_ | 59.3 | -50.3 | -9.0 | 51.0 | 190 |
| G50B_100_100_ | 63.0 | -30.5 | -42.0 | 51.9 | 234 |
| G75B_100_100_ | 45.7 | -5.7 | -44.6 | 44.9 | 262 |
| B00R_100_100_ | 27.5 | 25.9 | -47.3 | 53.9 | 298 |
| B25R_100_100_ | 38.3 | 52.6 | -28.5 | 59.8 | 331 |
| B50R_100_100_ | 49.5 | 73.5 | -9.0 | 74.0 | 353 |
| B75R_100_100_ | 48.9 | 69.3 | 12.9 | 70.4 | 10 |



%Gamut
 $u^*_{rel} = 92$
 %Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 58$

see similar files: <http://130.149.60.45/~farbmetrik/QE31/QE31L0FP.PDF> / .PS; start output
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE31/QE31L0FP.PDF / .PS
 application for measurement of display output

TUB material: code=rh4ta

1-103030-L0 QE310-7N

TUB-test chart QE31; hue code: $H^*_ = Y00G_ -$
 Test chart according to DIN 33872, 3D=1, de=0, sRGB*

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

Input and Output: Television Luminous System TLS00a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 102/360 = 0.28$

$H^*_d = Y00G_d$

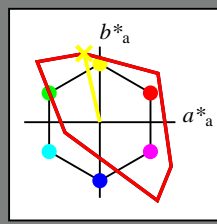
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = Y00G_d$

triangle lightness T^*



TLS00a; adapted (a) CIELAB data

| name | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| R _{d,Ma} | 50.4 | 76.9 | 64.5 | 100.4 | 40 |
| Y _{d,Ma} | 92.6 | -20.7 | 90.7 | 93.0 | 102 |
| G _{d,Ma} | 83.6 | -82.7 | 79.8 | 115.0 | 136 |
| C _{d,Ma} | 86.8 | -46.1 | -13.5 | 48.1 | 196 |
| B _{d,Ma} | 30.3 | 76.0 | -103.5 | 128.5 | 306 |
| M _{d,Ma} | 57.2 | 94.3 | -58.4 | 110.9 | 328 |
| N _{d,Ma} | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| W _{d,Ma} | 95.4 | 0.0 | 0.0 | 0.0 | 0 |
| R _{d,CIE} | 39.9 | 58.7 | 27.9 | 65.0 | 25 |
| Y _{d,CIE} | 81.2 | -2.8 | 71.5 | 71.6 | 92 |
| G _{d,CIE} | 52.2 | -42.4 | 13.6 | 44.5 | 162 |
| B _{d,CIE} | 30.5 | 1.4 | -46.4 | 46.4 | 271 |

Data for maximum colour (Ma):

$LabCh^*_d, Ma: 92 -20 90 93 102$

$HIC^*_d, Ma: Y00G_100_100_d$

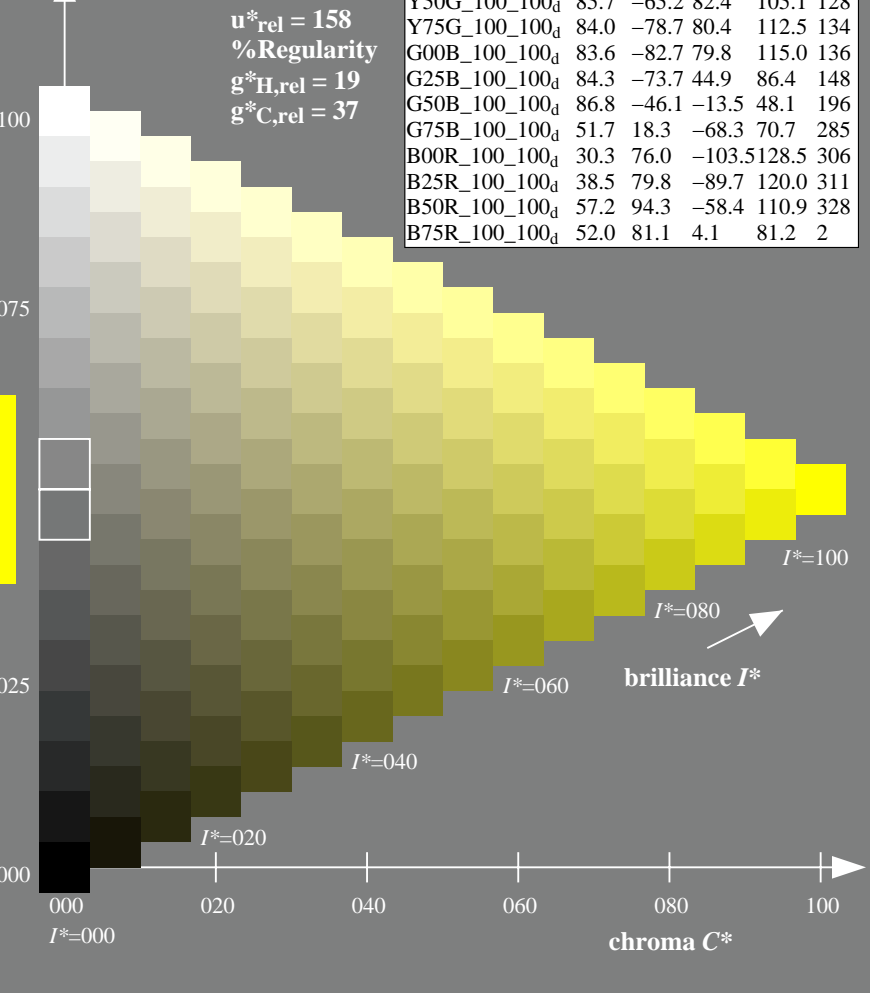
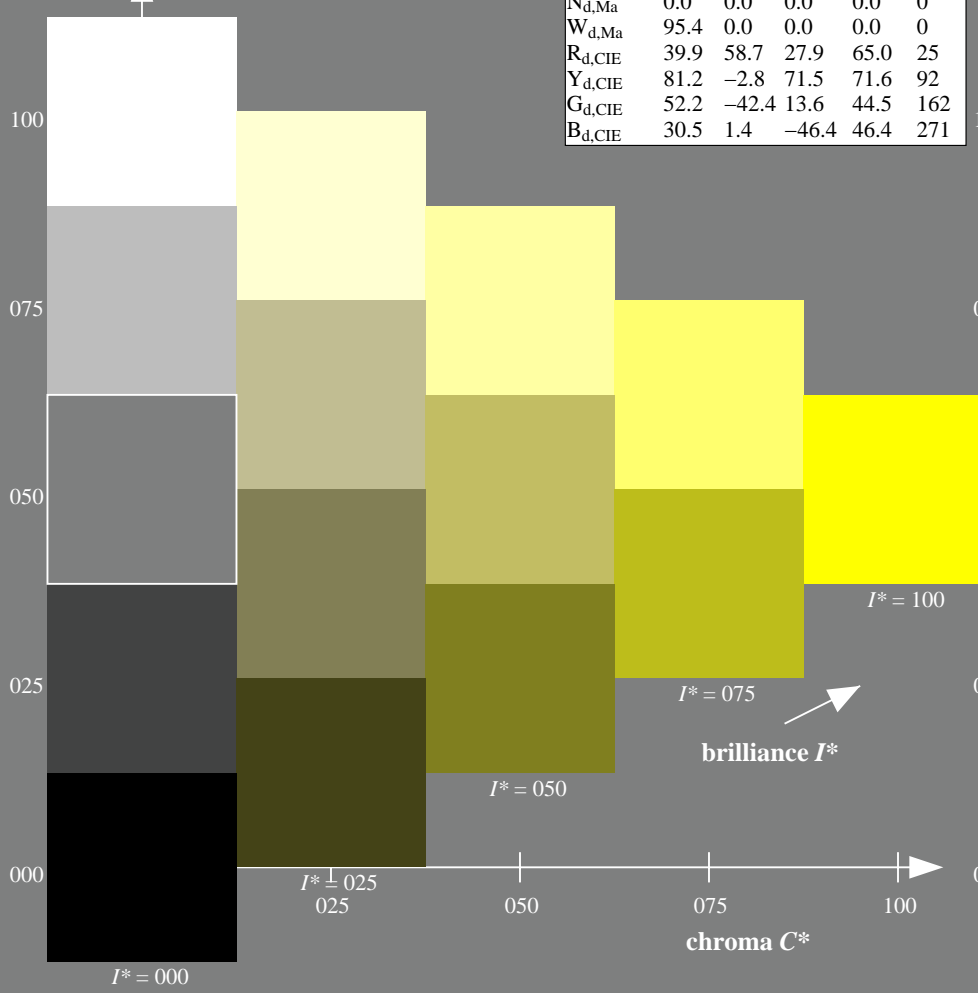
$rgbic^*_d, Ma:$

1.0 1.0 0.0 1.0 1.0

triangle lightness T^*

TLS00a; adapted (a) CIELAB data

| H^*_d | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------|-------------|---------|---------|--------------|--------------|
| R00Y_100_100 _d | 50.4 | 76.9 | 64.5 | 100.4 | 40 |
| R25Y_100_100 _d | 53.7 | 67.6 | 65.8 | 94.4 | 44 |
| R50Y_100_100 _d | 63.6 | 41.3 | 71.0 | 82.2 | 59 |
| R75Y_100_100 _d | 78.2 | 7.8 | 80.6 | 81.0 | 84 |
| Y00G_100_100 _d | 92.6 | -20.7 | 90.7 | 93.0 | 102 |
| Y25G_100_100 _d | 88.7 | -43.3 | 86.2 | 96.5 | 116 |
| Y50G_100_100 _d | 85.7 | -65.2 | 82.4 | 105.1 | 128 |
| Y75G_100_100 _d | 84.0 | -78.7 | 80.4 | 112.5 | 134 |
| G00B_100_100 _d | 83.6 | -82.7 | 79.8 | 115.0 | 136 |
| G25B_100_100 _d | 84.3 | -73.7 | 44.9 | 86.4 | 148 |
| G50B_100_100 _d | 86.8 | -46.1 | -13.5 | 48.1 | 196 |
| G75B_100_100 _d | 51.7 | 18.3 | -68.3 | 70.7 | 285 |
| B00R_100_100 _d | 30.3 | 76.0 | -103.5 | 128.5 | 306 |
| B25R_100_100 _d | 38.5 | 79.8 | -89.7 | 120.0 | 311 |
| B50R_100_100 _d | 57.2 | 94.3 | -58.4 | 110.9 | 328 |
| B75R_100_100 _d | 52.0 | 81.1 | 4.1 | 81.2 | 2 |



%Gamut
 $u^*_{rel} = 158$
 %Regularity
 $g^*_{H,rel} = 19$
 $g^*_{C,rel} = 37$

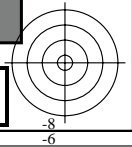
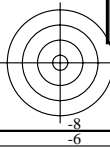
see similar files: <http://130.149.60.45/~farbmetrik/QE31/QE31L0FP.PDF> / .PS
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE31/QE31L0FP.PDF / .PS
 application for measurement of display output, no separation

TUB material: code=rh4ta

TUB-test chart QE31; hue code: $H^*_d=Y00G_d$
 Test chart according to DIN 33872, 3D=1, de=0, sRGB*

input: $rgb/cmyk \rightarrow rgb_{dd}$
 output: 3D-linearization to rgb^*_{dd}



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 $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

J=Y_d Yellow

$LCH^*_d = 92.6 \ 93.0 \ 102.8$
 $LAB^*_d = 92.6 \ -20.7 \ 90.7$
 $rgb^*_d = 1.0 \ 1.0 \ 0.0$

L=G_d leaf-green

$LCH^*_d = 83.6 \ 115.0 \ 136.0$
 $LAB^*_d = 83.6 \ -82.7 \ 79.8$
 $rgb^*_d = 0.0 \ 1.0 \ 0.0$

C=C_d cyan-blue

$LCH^*_d = 86.8 \ 48.1 \ 196.3$
 $LAB^*_d = 86.8 \ -46.1 \ -13.5$
 $rgb^*_d = 0.0 \ 1.0 \ 1.0$

O=R_d orange-red

$LCH^*_d = 50.4 \ 100.4 \ 40.0$
 $LAB^*_d = 50.4 \ 76.9 \ 64.5$
 $rgb^*_d = 1.0 \ 0.0 \ 0.0$

M=M_d magenta-red

$LCH^*_d = 57.2 \ 110.9 \ 328.2$
 $LAB^*_d = 57.2 \ 94.3 \ -58.4$
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

V=B_d violet-blue

$LCH^*_d = 30.3 \ 128.5 \ 306.2$
 $LAB^*_d = 30.3 \ 76.0 \ -103.5$
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

Y_e yellow

$LCH^*_e = 83.7 \ 84.5 \ 92.3$
 $LAB^*_e = 83.7 \ -3.4 \ 84.5$
 $rgb^*_{de} = 1.0 \ 0.856 \ 0.0$

G_e green

$LCH^*_e = 85.1 \ 67.9 \ 162.2$
 $LAB^*_e = 85.1 \ -64.6 \ 20.7$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.706$

C_e blue-green

$LCH^*_e = 79.0 \ 42.8 \ 216.9$
 $LAB^*_e = 79.0 \ -34.2 \ -25.7$
 $rgb^*_{de} = 0.0 \ 0.89 \ 1.0$

B_e blue

$LCH^*_e = 59.2 \ 56.6 \ 271.7$
 $LAB^*_e = 59.2 \ 1.7 \ -56.6$
 $rgb^*_{de} = 0.0 \ 0.609 \ 1.0$

R_e red

$LCH^*_e = 50.9 \ 86.7 \ 25.4$
 $LAB^*_e = 50.9 \ 78.3 \ 37.3$
 $rgb^*_{de} = 1.0 \ 0.0 \ 0.263$

M_e blue-red

$LCH^*_e = 57.1 \ 110.3 \ 328.6$
 $LAB^*_e = 57.1 \ 94.1 \ -57.4$
 $rgb^*_{de} = 1.0 \ 0.0 \ 0.991$

Y_s yellow standard CIELAB (a^*_s, b^*_s) chroma diagram

$LCH^*_s = 82.1 \ 83.5 \ 90.0$
 $LAB^*_s = 82.1 \ 0.0 \ 83.5$
 $rgb^*_{ds} = 1.0 \ 0.83 \ 0.0$

G_s green

$LCH^*_s = 84.4 \ 84.2 \ 150.0$
 $LAB^*_s = 84.4 \ -72.9 \ 42.1$
 $rgb^*_{ds} = 0.0 \ 1.0 \ 0.523$

R_s red

$LCH^*_s = 50.7 \ 90.1 \ 30.0$
 $LAB^*_s = 50.7 \ 78.0 \ 45.0$
 $rgb^*_{ds} = 1.0 \ 0.0 \ 0.202$

M_s blue-red

$LCH^*_s = 56.7 \ 107.7 \ 330.0$
 $LAB^*_s = 56.7 \ 93.3 \ -53.8$
 $rgb^*_{ds} = 1.0 \ 0.0 \ 0.962$

C_s blue-green

$LCH^*_s = 81.7 \ 44.6 \ 210.0$
 $LAB^*_s = 81.7 \ -38.6 \ -22.3$
 $rgb^*_{ds} = 0.0 \ 0.927 \ 1.0$

B_s blue

$LCH^*_s = 60.2 \ 54.7 \ 270.0$
 $LAB^*_s = 60.2 \ 0.0 \ -54.7$
 $rgb^*_{ds} = 0.0 \ 0.623 \ 1.0$

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

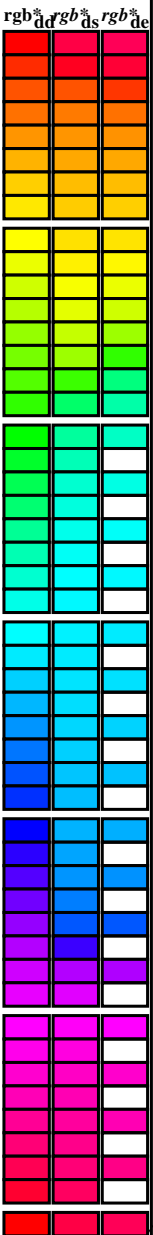
see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31.HTM
 technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE31/QE31L0FP.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_s; h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
Six hue angles of the device colours RYGBCM_d; h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBCM_e; h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with 4 main columns of data. Each column represents a different colorimetric system: LAB*ddx64M, LAB*ddx361M, LAB*dsx361M, and LAB*dex361M. Each column contains 60 rows of data, corresponding to hue angles from 0.0 to 330.0 degrees. Each row contains 12 numerical values representing color coordinates.



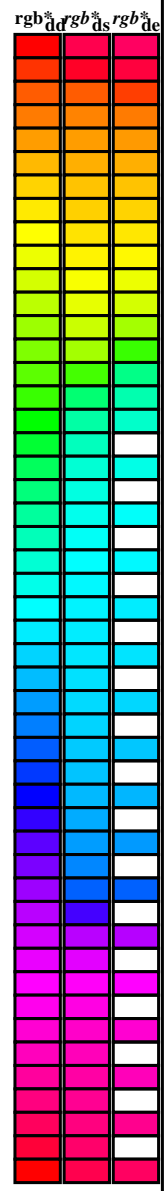
TUB registration: 20130201-QE31/QE31L0FP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rh4ta

see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

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_s: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
Six hue angles of the device colours RYGBM_d: h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

| h _{ab,d} | h _{ab,s} | h _{ab,e} | 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 | 1.0 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 63.3 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 | 0.605 0.0 1.0 | 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 | 0.811 0.0 1.0 | 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 0.0 | 0.992 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 0.0 | 0.856 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 | 0.735 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 | 0.65 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 | 0.618 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 | 0.533 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 | 0.441 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 | 0.361 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 | 0.263 50.9 78.3 37.3 86.7 385 |



see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

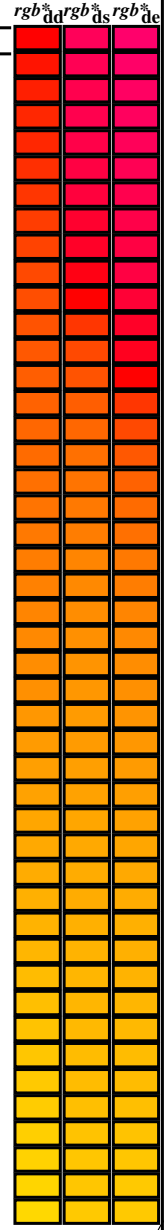
TUB registration: 20130201-QE31/QE31L0FP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rh4ta

see similar files: <http://130.149.60.45/~farbmetrik/QE31/QE31L0FP.PDF /.PS>
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE31/QE31L0FP.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_s: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
 Six hue angles of the device colours RYGBM_d: h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

| h _{ab,d} | h _{ab,s} | h _{ab,e} | rgb* _{dd} 361Mi | LAB* _{ddx361Mi} (x=LabCh) | R _d | rgb* _{ds361Mi} | LAB* _{dsx361Mi} (x=LabCh) | R _s | rgb* _{dd361Mi} | LAB* _{dex361Mi} (x=LabCh) | R _e | rgb* _{dd361Mi} | rgb* _{ds} | rgb* _{de} | | | | | | | | |
|-------------------|-------------------|-------------------|--------------------------|------------------------------------|----------------|-------------------------|------------------------------------|----------------|-------------------------|------------------------------------|----------------|-------------------------|--------------------|--------------------|------|------|-------|------|-----|-------|-------|-----|
| 40 | 30 | 25 | 1.0 | 0.0 | 0.0 | 50.4 | 76.9 | 64.5 | 100.4 | 40 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | | | | |
| 40 | 31 | 26 | 1.0 | 0.016 | 0.0 | 50.6 | 76.5 | 64.6 | 100.1 | 40 | 1.0 | 0.0 | 0.189 | 50.7 | 78.0 | 46.9 | 91.0 | 31 | 1.0 | 0.017 | 0.0 | |
| 40 | 32 | 27 | 1.0 | 0.033 | 0.0 | 50.7 | 76.1 | 64.6 | 99.8 | 40 | 1.0 | 0.0 | 0.174 | 50.7 | 77.9 | 48.7 | 91.8 | 32 | 1.0 | 0.033 | 0.0 | |
| 40 | 33 | 28 | 1.0 | 0.05 | 0.0 | 50.9 | 75.7 | 64.7 | 99.6 | 40 | 1.0 | 0.0 | 0.16 | 50.7 | 77.7 | 50.5 | 92.7 | 33 | 1.0 | 0.05 | 0.0 | |
| 40 | 34 | 29 | 1.0 | 0.066 | 0.0 | 51.0 | 75.3 | 64.7 | 99.3 | 40 | 1.0 | 0.0 | 0.146 | 50.6 | 77.6 | 52.3 | 93.6 | 34 | 1.0 | 0.067 | 0.0 | |
| 40 | 35 | 31 | 1.0 | 0.083 | 0.0 | 51.1 | 74.9 | 64.8 | 99.0 | 40 | 1.0 | 0.0 | 0.131 | 50.6 | 77.3 | 54.2 | 94.4 | 35 | 1.0 | 0.083 | 0.0 | |
| 41 | 36 | 32 | 1.0 | 0.1 | 0.0 | 51.3 | 74.5 | 64.8 | 98.7 | 41 | 1.0 | 0.0 | 0.11 | 50.6 | 77.3 | 56.1 | 95.5 | 36 | 1.0 | 0.1 | 0.0 | |
| 41 | 37 | 33 | 1.0 | 0.116 | 0.0 | 51.4 | 74.1 | 64.9 | 98.5 | 41 | 1.0 | 0.0 | 0.082 | 50.6 | 77.2 | 58.2 | 96.7 | 37 | 1.0 | 0.117 | 0.0 | |
| 41 | 38 | 34 | 1.0 | 0.133 | 0.0 | 51.7 | 73.4 | 65.0 | 98.0 | 41 | 1.0 | 0.0 | 0.055 | 50.5 | 77.2 | 60.3 | 98.0 | 38 | 1.0 | 0.133 | 0.0 | |
| 41 | 39 | 35 | 1.0 | 0.15 | 0.0 | 52.0 | 72.4 | 65.2 | 97.4 | 41 | 1.0 | 0.0 | 0.028 | 50.5 | 77.1 | 62.4 | 99.2 | 39 | 1.0 | 0.15 | 0.0 | |
| 42 | 40 | 36 | 1.0 | 0.166 | 0.0 | 52.3 | 71.4 | 65.3 | 96.8 | 42 | 1.0 | 0.0 | 0.0 | 50.5 | 76.9 | 64.6 | 100.4 | 40 | 1.0 | 0.167 | 0.0 | |
| 42 | 41 | 37 | 1.0 | 0.183 | 0.0 | 52.7 | 70.5 | 65.5 | 96.2 | 42 | 1.0 | 0.0 | 0.095 | 0.0 | 51.3 | 74.6 | 64.9 | 98.9 | 41 | 1.0 | 0.183 | 0.0 |
| 43 | 42 | 38 | 1.0 | 0.2 | 0.0 | 53.0 | 69.5 | 65.6 | 95.6 | 43 | 1.0 | 0.0 | 0.151 | 0.0 | 52.1 | 72.4 | 65.2 | 97.5 | 42 | 1.0 | 0.2 | 0.0 |
| 43 | 43 | 39 | 1.0 | 0.216 | 0.0 | 53.4 | 68.6 | 65.7 | 95.0 | 43 | 1.0 | 0.0 | 0.188 | 0.0 | 52.8 | 70.3 | 65.5 | 96.1 | 43 | 1.0 | 0.217 | 0.0 |
| 44 | 44 | 41 | 1.0 | 0.233 | 0.0 | 53.7 | 67.6 | 65.8 | 94.4 | 44 | 1.0 | 0.0 | 0.225 | 0.0 | 53.6 | 68.2 | 65.8 | 94.8 | 44 | 1.0 | 0.233 | 0.0 |
| 44 | 45 | 42 | 1.0 | 0.25 | 0.0 | 54.0 | 66.7 | 65.9 | 93.8 | 44 | 1.0 | 0.0 | 0.256 | 0.0 | 54.3 | 66.1 | 66.1 | 93.5 | 45 | 1.0 | 0.25 | 0.0 |
| 45 | 46 | 43 | 1.0 | 0.266 | 0.0 | 54.6 | 65.1 | 66.3 | 93.0 | 45 | 1.0 | 0.0 | 0.277 | 0.0 | 55.0 | 64.3 | 66.6 | 92.5 | 46 | 1.0 | 0.267 | 0.0 |
| 46 | 47 | 44 | 1.0 | 0.283 | 0.0 | 55.1 | 63.6 | 66.6 | 92.2 | 46 | 1.0 | 0.0 | 0.297 | 0.0 | 55.6 | 62.4 | 66.9 | 91.5 | 47 | 1.0 | 0.283 | 0.0 |
| 47 | 48 | 45 | 1.0 | 0.3 | 0.0 | 55.7 | 62.1 | 66.9 | 91.3 | 47 | 1.0 | 0.0 | 0.318 | 0.0 | 56.3 | 60.6 | 67.3 | 90.5 | 48 | 1.0 | 0.3 | 0.0 |
| 47 | 49 | 46 | 1.0 | 0.316 | 0.0 | 56.2 | 60.6 | 67.2 | 90.5 | 47 | 1.0 | 0.0 | 0.338 | 0.0 | 57.0 | 58.7 | 67.6 | 89.5 | 49 | 1.0 | 0.317 | 0.0 |
| 48 | 50 | 47 | 1.0 | 0.333 | 0.0 | 56.8 | 59.1 | 67.5 | 89.7 | 48 | 1.0 | 0.0 | 0.359 | 0.0 | 57.7 | 56.9 | 67.8 | 88.5 | 50 | 1.0 | 0.333 | 0.0 |
| 49 | 51 | 48 | 1.0 | 0.35 | 0.0 | 57.3 | 57.6 | 67.7 | 88.9 | 49 | 1.0 | 0.0 | 0.378 | 0.0 | 58.3 | 55.1 | 68.1 | 87.6 | 51 | 1.0 | 0.35 | 0.0 |
| 50 | 52 | 49 | 1.0 | 0.366 | 0.0 | 57.9 | 56.2 | 67.9 | 88.1 | 50 | 1.0 | 0.0 | 0.392 | 0.0 | 58.9 | 53.6 | 68.6 | 87.0 | 52 | 1.0 | 0.367 | 0.0 |
| 51 | 53 | 51 | 1.0 | 0.383 | 0.0 | 58.5 | 54.5 | 68.2 | 87.3 | 51 | 1.0 | 0.0 | 0.406 | 0.0 | 59.6 | 52.0 | 69.0 | 86.4 | 53 | 1.0 | 0.383 | 0.0 |
| 52 | 54 | 52 | 1.0 | 0.4 | 0.0 | 59.3 | 52.6 | 68.8 | 86.6 | 52 | 1.0 | 0.0 | 0.42 | 0.0 | 60.2 | 50.4 | 69.4 | 85.8 | 54 | 1.0 | 0.4 | 0.0 |
| 53 | 55 | 53 | 1.0 | 0.416 | 0.0 | 60.0 | 50.7 | 69.3 | 85.9 | 53 | 1.0 | 0.0 | 0.433 | 0.0 | 60.8 | 48.8 | 69.8 | 85.2 | 55 | 1.0 | 0.417 | 0.0 |
| 54 | 56 | 54 | 1.0 | 0.433 | 0.0 | 60.7 | 48.8 | 69.7 | 85.1 | 54 | 1.0 | 0.0 | 0.447 | 0.0 | 61.4 | 47.3 | 70.1 | 84.5 | 56 | 1.0 | 0.433 | 0.0 |
| 56 | 57 | 55 | 1.0 | 0.45 | 0.0 | 61.4 | 46.9 | 70.1 | 84.4 | 56 | 1.0 | 0.0 | 0.461 | 0.0 | 62.0 | 45.7 | 70.4 | 83.9 | 57 | 1.0 | 0.45 | 0.0 |
| 57 | 58 | 56 | 1.0 | 0.466 | 0.0 | 62.2 | 45.1 | 70.4 | 83.6 | 57 | 1.0 | 0.0 | 0.475 | 0.0 | 62.6 | 44.1 | 70.7 | 83.3 | 58 | 1.0 | 0.467 | 0.0 |
| 58 | 59 | 57 | 1.0 | 0.483 | 0.0 | 62.9 | 43.2 | 70.7 | 82.9 | 58 | 1.0 | 0.0 | 0.489 | 0.0 | 63.2 | 42.6 | 70.9 | 82.7 | 59 | 1.0 | 0.483 | 0.0 |
| 59 | 60 | 58 | 1.0 | 0.5 | 0.0 | 63.6 | 41.3 | 71.0 | 82.2 | 59 | 1.0 | 0.0 | 0.502 | 0.0 | 63.8 | 41.1 | 71.2 | 82.2 | 60 | 1.0 | 0.5 | 0.0 |
| 61 | 61 | 60 | 1.0 | 0.516 | 0.0 | 64.5 | 39.3 | 71.7 | 81.8 | 61 | 1.0 | 0.0 | 0.513 | 0.0 | 64.4 | 39.7 | 71.6 | 81.9 | 61 | 1.0 | 0.517 | 0.0 |
| 62 | 62 | 61 | 1.0 | 0.533 | 0.0 | 65.3 | 37.2 | 72.4 | 81.4 | 62 | 1.0 | 0.0 | 0.525 | 0.0 | 64.9 | 38.3 | 72.1 | 81.7 | 62 | 1.0 | 0.533 | 0.0 |
| 64 | 63 | 62 | 1.0 | 0.55 | 0.0 | 66.2 | 35.1 | 73.0 | 81.0 | 64 | 1.0 | 0.0 | 0.536 | 0.0 | 65.5 | 37.0 | 72.5 | 81.4 | 63 | 1.0 | 0.55 | 0.0 |
| 65 | 64 | 63 | 1.0 | 0.566 | 0.0 | 67.1 | 33.0 | 73.5 | 80.6 | 65 | 1.0 | 0.0 | 0.547 | 0.0 | 66.1 | 35.6 | 72.9 | 81.1 | 64 | 1.0 | 0.567 | 0.0 |
| 67 | 65 | 64 | 1.0 | 0.583 | 0.0 | 67.9 | 31.0 | 74.0 | 80.3 | 67 | 1.0 | 0.0 | 0.558 | 0.0 | 66.7 | 34.2 | 73.3 | 80.9 | 65 | 1.0 | 0.583 | 0.0 |
| 68 | 66 | 65 | 1.0 | 0.6 | 0.0 | 68.6 | 28.9 | 74.5 | 79.9 | 68 | 1.0 | 0.0 | 0.569 | 0.0 | 67.2 | 32.8 | 73.7 | 80.6 | 66 | 1.0 | 0.6 | 0.0 |
| 70 | 67 | 66 | 1.0 | 0.616 | 0.0 | 69.8 | 26.8 | 74.8 | 79.5 | 70 | 1.0 | 0.0 | 0.58 | 0.0 | 67.8 | 31.4 | 74.0 | 80.4 | 67 | 1.0 | 0.617 | 0.0 |
| 71 | 68 | 67 | 1.0 | 0.633 | 0.0 | 70.5 | 24.7 | 75.4 | 79.4 | 71 | 1.0 | 0.0 | 0.591 | 0.0 | 68.4 | 30.0 | 74.3 | 80.1 | 68 | 1.0 | 0.633 | 0.0 |
| 73 | 69 | 68 | 1.0 | 0.65 | 0.0 | 71.5 | 22.7 | 76.2 | 79.5 | 73 | 1.0 | 0.0 | 0.602 | 0.0 | 69.0 | 28.6 | 74.6 | 79.9 | 69 | 1.0 | 0.65 | 0.0 |
| 75 | 70 | 70 | 1.0 | 0.666 | 0.0 | 72.4 | 20.6 | 76.9 | 79.7 | 75 | 1.0 | 0.0 | 0.614 | 0.0 | 69.5 | 27.2 | 74.8 | 79.6 | 70 | 1.0 | 0.667 | 0.0 |
| 76 | 71 | 71 | 1.0 | 0.683 | 0.0 | 73.4 | 18.5 | 77.6 | 79.8 | 76 | 1.0 | 0.0 | 0.625 | 0.0 | 70.1 | 25.8 | 75.0 | 79.4 | 71 | 1.0 | 0.683 | 0.0 |
| 78 | 72 | 72 | 1.0 | 0.7 | 0.0 | 74.3 | 16.3 | 78.2 | 79.9 | 78 | 1.0 | 0.0 | 0.635 | 0.0 | 70.7 | 24.5 | 75.6 | 79.4 | 72 | 1.0 | 0.7 | 0.0 |
| 79 | 73 | 73 | 1.0 | 0.716 | 0.0 | 75.3 | 14.2 | 78.8 | 80.1 | 79 | 1.0 | 0.0 | 0.646 | 0.0 | 71.3 | 23.3 | 76.1 | 79.5 | 73 | 1.0 | 0.717 | 0.0 |
| 81 | 74 | 74 | 1.0 | 0.733 | 0.0 | 76.2 | 12.0 | 79.3 | 80.2 | 81 | 1.0 | 0.0 | 0.656 | 0.0 | 71.9 | 21.9 | 76.5 | 79.6 | 74 | 1.0 | 0.733 | 0.0 |
| 82 | 75 | 75 | 1.0 | 0.75 | 0.0 | 77.2 | 9.8 | 79.7 | 80.4 | 82 | 1.0 | 0.0 | 0.667 | 0.0 | 72.5 | 20.6 | 77.0 | 79.7 | 75 | 1.0 | 0.75 | 0.0 |



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_s; h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
Six hue angles of the device colours RYGBCM_d; h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e; h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

| h _{ab,d} | h _{ab,s} | h _{ab,e} | rgb [*] _{dd361M} | LAB [*] _{dx361Mi (x=LabCh)} | rgb [*] _{ds361Mi} | LAB [*] _{dsx361Mi (x=LabCh)} | rgb [*] _{dd361Mi} | LAB [*] _{de361Mi} | LAB [*] _{dex361Mi (x=LabCh)} | rgb [*] _{dd361Mi} | rgb [*] _{ds361Mi} | rgb [*] _{ds361Mi} | rgb [*] _{ds361Mi} |
|-------------------|-------------------|-------------------|------------------------------------|---|-------------------------------------|--|-------------------------------------|-------------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 82 | 75 | 75 | 1.0 0.75 0.0 | 77.2 9.8 79.7 80.4 82 | 1.0 0.667 0.0 | 72.5 20.6 77.0 79.7 75 | 1.0 0.75 0.0 | 1.0 0.673 0.0 | 72.8 19.8 77.3 79.8 75 | 1.0 0.75 0.0 | | | |
| 84 | 76 | 76 | 1.0 0.766 0.0 | 78.2 7.8 80.6 81.0 84 | 1.0 0.677 0.0 | 73.1 19.3 77.4 79.8 76 | 1.0 0.767 0.0 | 1.0 0.685 0.0 | 73.5 18.3 77.7 79.9 76 | 1.0 0.767 0.0 | | | |
| 85 | 77 | 77 | 1.0 0.783 0.0 | 79.2 5.8 81.4 81.7 85 | 1.0 0.688 0.0 | 73.7 18.0 77.8 79.9 77 | 1.0 0.783 0.0 | 1.0 0.696 0.0 | 74.2 16.9 78.2 80.0 77 | 1.0 0.783 0.0 | | | |
| 87 | 78 | 78 | 1.0 0.8 0.0 | 80.2 3.8 82.2 82.3 87 | 1.0 0.698 0.0 | 74.3 16.6 78.2 80.0 78 | 1.0 0.8 0.0 | 1.0 0.708 0.0 | 74.8 15.3 78.6 80.1 78 | 1.0 0.8 0.0 | | | |
| 88 | 79 | 80 | 1.0 0.816 0.0 | 81.2 1.7 82.9 83.0 88 | 1.0 0.708 0.0 | 74.9 15.3 78.6 80.1 79 | 1.0 0.817 0.0 | 1.0 0.72 0.0 | 75.5 13.8 78.9 80.1 80 | 1.0 0.817 0.0 | | | |
| 90 | 80 | 81 | 1.0 0.833 0.0 | 82.2 -0.3 83.6 83.6 90 | 1.0 0.719 0.0 | 75.5 13.9 78.9 80.1 80 | 1.0 0.833 0.0 | 1.0 0.731 0.0 | 76.2 12.3 79.3 80.2 81 | 1.0 0.833 0.0 | | | |
| 91 | 81 | 82 | 1.0 0.85 0.0 | 83.3 -2.5 84.2 84.3 91 | 1.0 0.729 0.0 | 76.1 12.6 79.2 80.2 81 | 1.0 0.85 0.0 | 1.0 0.743 0.0 | 76.8 10.8 79.6 80.3 82 | 1.0 0.85 0.0 | | | |
| 93 | 82 | 83 | 1.0 0.866 0.0 | 84.3 -4.6 84.8 84.9 93 | 1.0 0.74 0.0 | 76.7 11.2 79.5 80.3 82 | 1.0 0.867 0.0 | 1.0 0.755 0.0 | 77.5 9.3 80.1 80.6 83 | 1.0 0.867 0.0 | | | |
| 94 | 83 | 84 | 1.0 0.883 0.0 | 85.3 -6.7 85.5 85.8 94 | 1.0 0.75 0.0 | 77.3 9.8 79.8 80.4 83 | 1.0 0.883 0.0 | 1.0 0.768 0.0 | 78.3 7.8 80.7 81.1 84 | 1.0 0.883 0.0 | | | |
| 95 | 84 | 85 | 1.0 0.9 0.0 | 86.3 -8.5 86.4 86.8 95 | 1.0 0.762 0.0 | 78.0 8.5 80.4 80.9 84 | 1.0 0.9 0.0 | 1.0 0.78 0.0 | 79.1 6.2 81.4 81.6 85 | 1.0 0.9 0.0 | | | |
| 96 | 85 | 86 | 1.0 0.916 0.0 | 87.4 -10.5 87.2 87.8 96 | 1.0 0.773 0.0 | 78.7 7.1 81.0 81.3 85 | 1.0 0.917 0.0 | 1.0 0.793 0.0 | 79.9 4.7 82.0 82.1 86 | 1.0 0.917 0.0 | | | |
| 98 | 86 | 87 | 1.0 0.933 0.0 | 88.4 -12.4 88.0 88.9 98 | 1.0 0.785 0.0 | 79.3 5.7 81.6 81.8 86 | 1.0 0.933 0.0 | 1.0 0.806 0.0 | 80.6 3.1 82.5 82.6 87 | 1.0 0.933 0.0 | | | |
| 99 | 87 | 88 | 1.0 0.95 0.0 | 89.5 -14.4 88.7 89.9 99 | 1.0 0.796 0.0 | 80.0 4.3 82.1 82.2 87 | 1.0 0.95 0.0 | 1.0 0.819 0.0 | 81.4 1.5 83.1 83.1 88 | 1.0 0.95 0.0 | | | |
| 100 | 88 | 90 | 1.0 0.966 0.0 | 90.5 -16.5 89.4 91.0 100 | 1.0 0.808 0.0 | 80.7 2.9 82.6 82.7 88 | 1.0 0.967 0.0 | 1.0 0.831 0.0 | 82.2 0.0 83.6 83.6 90 | 1.0 0.967 0.0 | | | |
| 101 | 89 | 91 | 1.0 0.983 0.0 | 91.6 -18.5 90.1 92.0 101 | 1.0 0.819 0.0 | 81.4 1.5 83.1 83.1 89 | 1.0 0.983 0.0 | 1.0 0.844 0.0 | 83.0 -1.7 84.1 84.1 91 | 1.0 0.983 0.0 | | | |
| 102 | 90 | 92 | 1.0 1.0 0.0 | 92.6 -20.7 90.7 93.0 102 | Y _d 1.0 0.831 0.0 | 82.1 0.0 83.5 83.5 90 | Y _s 1.0 1.0 0.0 | 1.0 0.857 0.0 | 83.7 -3.3 84.5 84.6 92 | Y _e 1.0 1.0 0.0 | | | |
| 103 | 91 | 93 | 0.983 1.0 0.0 | 92.3 -22.3 90.5 93.2 103 | 1.0 0.842 0.0 | 82.8 -1.4 84.0 84.0 91 | 0.983 1.0 0.0 | 1.0 0.87 0.0 | 84.5 -5.1 84.9 85.1 93 | 0.983 1.0 0.0 | | | |
| 104 | 92 | 94 | 0.966 1.0 0.0 | 92.0 -24.0 90.2 93.3 104 | 1.0 0.853 0.0 | 83.5 -2.8 84.4 84.4 92 | 0.967 1.0 0.0 | 1.0 0.886 0.0 | 85.5 -6.9 85.7 85.9 94 | 0.967 1.0 0.0 | | | |
| 105 | 93 | 95 | 0.95 1.0 0.0 | 91.7 -25.6 89.9 93.5 105 | 1.0 0.865 0.0 | 84.2 -4.3 84.8 84.9 93 | 0.95 1.0 0.0 | 1.0 0.902 0.0 | 86.5 -8.7 86.5 87.0 95 | 0.95 1.0 0.0 | | | |
| 106 | 94 | 96 | 0.933 1.0 0.0 | 91.4 -27.3 89.5 93.6 106 | 1.0 0.877 0.0 | 84.9 -5.9 85.2 85.4 94 | 0.933 1.0 0.0 | 1.0 0.918 0.0 | 87.5 -10.6 87.3 88.0 96 | 0.933 1.0 0.0 | | | |
| 108 | 95 | 98 | 0.916 1.0 0.0 | 91.1 -28.9 89.1 93.7 108 | 1.0 0.891 0.0 | 85.8 -7.4 85.9 86.3 95 | 0.917 1.0 0.0 | 1.0 0.934 0.0 | 88.5 -12.5 88.1 89.0 98 | 0.917 1.0 0.0 | | | |
| 109 | 96 | 99 | 0.9 1.0 0.0 | 90.8 -30.6 88.7 93.9 109 | 1.0 0.904 0.0 | 86.7 -9.0 86.6 87.1 96 | 0.9 1.0 0.0 | 1.0 0.951 0.0 | 89.6 -14.4 88.8 90.0 99 | 0.9 1.0 0.0 | | | |
| 110 | 97 | 100 | 0.883 1.0 0.0 | 90.5 -32.2 88.3 94.0 110 | 1.0 0.918 0.0 | 87.5 -10.6 87.3 88.0 97 | 0.883 1.0 0.0 | 1.0 0.967 0.0 | 90.6 -16.4 89.5 91.0 100 | 0.883 1.0 0.0 | | | |
| 111 | 98 | 101 | 0.866 1.0 0.0 | 90.3 -33.8 88.0 94.3 111 | 1.0 0.932 0.0 | 88.4 -12.3 88.0 88.9 98 | 0.867 1.0 0.0 | 1.0 0.983 0.0 | 91.6 -18.5 90.1 92.0 101 | 0.867 1.0 0.0 | | | |
| 111 | 99 | 102 | 0.85 1.0 0.0 | 90.0 -35.4 87.7 94.6 111 | 1.0 0.946 0.0 | 89.3 -13.9 88.6 89.7 99 | 0.85 1.0 0.0 | 1.0 0.999 0.0 | 92.6 -20.5 90.7 93.0 102 | 0.85 1.0 0.0 | | | |
| 112 | 100 | 103 | 0.833 1.0 0.0 | 89.8 -37.0 87.5 95.0 112 | 1.0 0.96 0.0 | 90.2 -15.6 89.2 90.6 100 | 0.833 1.0 0.0 | 0.982 1.0 0.0 | 92.3 -22.4 90.5 93.2 103 | 0.833 1.0 0.0 | | | |
| 113 | 101 | 105 | 0.816 1.0 0.0 | 89.5 -38.6 87.2 95.4 113 | 1.0 0.974 0.0 | 91.0 -17.4 89.8 91.5 101 | 0.817 1.0 0.0 | 0.963 1.0 0.0 | 92.0 -24.3 90.2 93.4 105 | 0.817 1.0 0.0 | | | |
| 114 | 102 | 106 | 0.8 1.0 0.0 | 89.3 -40.1 86.9 95.7 114 | 1.0 0.988 0.0 | 91.9 -19.1 90.3 92.3 102 | 0.8 1.0 0.0 | 0.944 1.0 0.0 | 91.7 -26.1 89.8 93.6 106 | 0.8 1.0 0.0 | | | |
| 115 | 103 | 107 | 0.783 1.0 0.0 | 89.0 -41.7 86.6 96.1 115 | 0.998 1.0 0.0 | 92.6 -20.8 90.7 93.1 103 | 0.783 1.0 0.0 | 0.926 1.0 0.0 | 91.3 -28.0 89.4 93.7 107 | 0.783 1.0 0.0 | | | |
| 116 | 104 | 108 | 0.766 1.0 0.0 | 88.7 -43.3 86.2 96.5 116 | 0.981 1.0 0.0 | 92.3 -22.5 90.5 93.2 104 | 0.767 1.0 0.0 | 0.907 1.0 0.0 | 91.0 -29.9 89.0 93.9 108 | 0.767 1.0 0.0 | | | |
| 117 | 105 | 109 | 0.75 1.0 0.0 | 88.5 -44.9 85.8 96.8 117 | 0.965 1.0 0.0 | 92.0 -24.1 90.2 93.4 105 | 0.75 1.0 0.0 | 0.888 1.0 0.0 | 90.7 -31.7 88.5 94.0 109 | 0.75 1.0 0.0 | | | |
| 118 | 106 | 110 | 0.733 1.0 0.0 | 88.3 -46.3 85.6 97.4 118 | 0.949 1.0 0.0 | 91.8 -25.7 89.9 93.5 106 | 0.733 1.0 0.0 | 0.868 1.0 0.0 | 90.3 -33.6 88.0 94.3 110 | 0.733 1.0 0.0 | | | |
| 119 | 107 | 112 | 0.716 1.0 0.0 | 88.1 -47.8 85.4 97.9 119 | 0.933 1.0 0.0 | 91.5 -27.3 89.6 93.6 107 | 0.717 1.0 0.0 | 0.848 1.0 0.0 | 90.0 -35.6 87.8 94.7 112 | 0.717 1.0 0.0 | | | |
| 120 | 108 | 113 | 0.7 1.0 0.0 | 87.9 -49.2 85.2 98.4 120 | 0.917 1.0 0.0 | 91.2 -28.9 89.2 93.8 108 | 0.7 1.0 0.0 | 0.827 1.0 0.0 | 89.7 -37.5 87.4 95.2 113 | 0.7 1.0 0.0 | | | |
| 120 | 109 | 114 | 0.683 1.0 0.0 | 87.6 -50.7 84.9 98.9 120 | 0.901 1.0 0.0 | 90.9 -30.5 88.8 93.9 109 | 0.683 1.0 0.0 | 0.806 1.0 0.0 | 89.4 -39.5 87.1 95.7 114 | 0.683 1.0 0.0 | | | |
| 121 | 110 | 115 | 0.666 1.0 0.0 | 87.4 -52.1 84.7 99.4 121 | 0.884 1.0 0.0 | 90.6 -32.1 88.4 94.1 110 | 0.667 1.0 0.0 | 0.786 1.0 0.0 | 89.1 -41.5 86.7 96.1 115 | 0.667 1.0 0.0 | | | |
| 122 | 111 | 116 | 0.65 1.0 0.0 | 87.2 -53.6 84.4 100.0 122 | 0.868 1.0 0.0 | 90.3 -33.7 88.0 94.3 111 | 0.65 1.0 0.0 | 0.765 1.0 0.0 | 88.8 -43.4 86.2 96.6 116 | 0.65 1.0 0.0 | | | |
| 123 | 112 | 117 | 0.633 1.0 0.0 | 87.0 -55.0 84.1 100.5 123 | 0.85 1.0 0.0 | 90.1 -35.4 87.8 94.7 112 | 0.633 1.0 0.0 | 0.743 1.0 0.0 | 88.5 -45.4 85.8 97.1 117 | 0.633 1.0 0.0 | | | |
| 123 | 113 | 119 | 0.616 1.0 0.0 | 86.8 -56.4 83.8 101.0 123 | 0.832 1.0 0.0 | 89.8 -37.1 87.5 95.1 113 | 0.617 1.0 0.0 | 0.719 1.0 0.0 | 88.2 -47.5 85.5 97.9 119 | 0.617 1.0 0.0 | | | |
| 124 | 114 | 120 | 0.6 1.0 0.0 | 86.7 -57.6 83.7 101.6 124 | 0.814 1.0 0.0 | 89.5 -38.7 87.2 95.5 114 | 0.6 1.0 0.0 | 0.695 1.0 0.0 | 87.8 -49.6 85.2 98.6 120 | 0.6 1.0 0.0 | | | |
| 125 | 115 | 121 | 0.583 1.0 0.0 | 86.5 -58.9 83.5 102.2 125 | 0.797 1.0 0.0 | 89.3 -40.4 86.9 95.9 115 | 0.583 1.0 0.0 | 0.67 1.0 0.0 | 87.5 -51.7 84.8 99.4 121 | 0.583 1.0 0.0 | | | |
| 125 | 116 | 122 | 0.566 1.0 0.0 | 86.3 -60.1 83.3 102.8 125 | 0.779 1.0 0.0 | 89.0 -42.1 86.5 96.3 116 | 0.567 1.0 0.0 | 0.646 1.0 0.0 | 87.2 -53.9 84.4 100.1 122 | 0.567 1.0 0.0 | | | |
| 126 | 117 | 123 | 0.55 1.0 0.0 | 86.2 -61.4 83.1 103.3 126 | 0.761 1.0 0.0 | 88.7 -43.8 86.1 96.6 117 | 0.55 1.0 0.0 | 0.621 1.0 0.0 | 86.9 -56.0 83.9 100.9 123 | 0.55 1.0 0.0 | | | |
| 127 | 118 | 124 | 0.533 1.0 0.0 | 86.0 -62.7 82.9 103.9 127 | 0.742 1.0 0.0 | 88.4 -45.5 85.8 97.1 118 | 0.533 1.0 0.0 | 0.59 1.0 0.0 | 86.6 -58.3 83.6 102.0 124 | 0.533 1.0 0.0 | | | |
| 127 | 119 | 126 | 0.516 1.0 0.0 | 85.8 -63.9 82.6 104.5 127 | 0.721 1.0 0.0 | 88.2 -47.3 85.5 97.8 119 | 0.517 1.0 0.0 | 0.56 1.0 0.0 | 86.3 -60.6 83.3 103.1 126 | 0.517 1.0 0.0 | | | |
| 128 | 120 | 127 | 0.5 1.0 0.0 | 85.7 -65.2 82.4 105.1 128 | 0.7 1.0 0.0 | 87.9 -49.1 85.3 98.4 120 | 0.5 1.0 0.0 | 0.529 1.0 0.0 | 86.0 -62.9 82.9 104.1 127 | 0.5 1.0 0.0 | | | |

1-103630-L0 QE310-72 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 QE31; hue code: H*_d=Y00G_d
48 step hue circles; rgb-LabCh*tables

input: rgb/cmyk -> rgb_{dd}
output: 3D-linearization to rgb*_{dd}

see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE31/QE31L0FP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rh4t4

http://130.149.60.45/~farbmetrik/QE31/QE31L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization QE31/QE31LE30FP.DAT in file (F), page 8/29

see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE31/QE31L0FP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

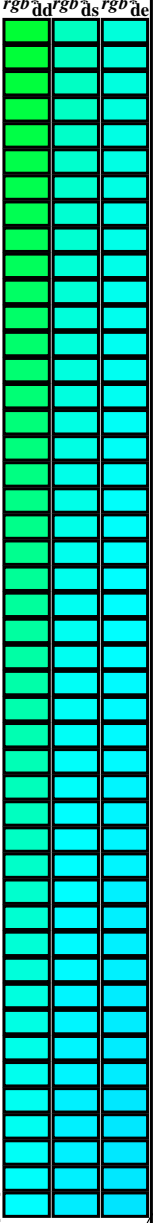
Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s; h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Six hue angles of the device colours RYGBM_d; h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e; h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

| h _{ab,d} | h _{ab,s} | h _{ab,e} | rgb [*] dd361M | LAB [*] ddx361Mi (x=LabCh) | rgb [*] ds361Mi | LAB [*] dsx361Mi (x=LabCh) | rgb [*] dd361Mi | LAB [*] de361Mi | LAB [*] dex361Mi (x=LabCh) | rgb [*] dd361Mi | rgb [*] dd361Mi | rgb [*] ds361Mi | rgb [*] de361Mi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|-------------------|-------------------|-------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------|-------|-------|-------|------|-------------------|-----|-------|-------|-----|-----|-------|-------|-------|-------|-------|-------|-------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------------------|-------|-----|
| 128 | 120 | 127 | 0.5 | 1.0 | 0.0 | 85.7 | -65.2 | 82.4 | 105.1 | 128 | 0.7 | 1.0 | 0.0 | 87.9 | -49.1 | 85.3 | 98.4 | 120 | 0.5 | 1.0 | 0.0 | 0.529 | 1.0 | 0.0 | 86.0 | -62.9 | 82.9 | 104.1 | 127 | 0.5 | 1.0 | 0.0 | 0.529 | 1.0 | 0.0 | 86.0 | -62.9 | 82.9 | 104.1 | 127 | | |
| 128 | 121 | 128 | 0.483 | 1.0 | 0.0 | 85.5 | -66.2 | 82.3 | 105.6 | 128 | 0.68 | 1.0 | 0.0 | 87.7 | -50.9 | 84.9 | 99.1 | 121 | 0.483 | 1.0 | 0.0 | 0.498 | 1.0 | 0.0 | 85.7 | -65.3 | 82.4 | 105.2 | 128 | 0.483 | 1.0 | 0.0 | 0.498 | 1.0 | 0.0 | 85.7 | -65.3 | 82.4 | 105.2 | 128 | | |
| 129 | 122 | 129 | 0.466 | 1.0 | 0.0 | 85.4 | -67.2 | 82.1 | 106.1 | 129 | 0.659 | 1.0 | 0.0 | 87.4 | -52.8 | 84.6 | 99.7 | 122 | 0.466 | 1.0 | 0.0 | 0.456 | 1.0 | 0.0 | 85.4 | -67.8 | 82.1 | 106.5 | 129 | 0.466 | 1.0 | 0.0 | 0.456 | 1.0 | 0.0 | 85.4 | -67.8 | 82.1 | 106.5 | 129 | | |
| 129 | 123 | 130 | 0.45 | 1.0 | 0.0 | 85.3 | -68.2 | 82.0 | 106.7 | 129 | 0.638 | 1.0 | 0.0 | 87.1 | -54.6 | 84.2 | 100.4 | 123 | 0.45 | 1.0 | 0.0 | 0.414 | 1.0 | 0.0 | 85.1 | -70.3 | 81.7 | 107.9 | 130 | 0.45 | 1.0 | 0.0 | 0.414 | 1.0 | 0.0 | 85.1 | -70.3 | 81.7 | 107.9 | 130 | | |
| 130 | 124 | 131 | 0.433 | 1.0 | 0.0 | 85.2 | -69.2 | 81.8 | 107.2 | 130 | 0.615 | 1.0 | 0.0 | 86.9 | -56.5 | 83.9 | 101.1 | 124 | 0.433 | 1.0 | 0.0 | 0.372 | 1.0 | 0.0 | 84.7 | -72.9 | 81.3 | 109.2 | 131 | 0.433 | 1.0 | 0.0 | 0.372 | 1.0 | 0.0 | 84.7 | -72.9 | 81.3 | 109.2 | 131 | | |
| 130 | 125 | 133 | 0.416 | 1.0 | 0.0 | 85.0 | -70.2 | 81.7 | 107.8 | 130 | 0.589 | 1.0 | 0.0 | 86.6 | -58.4 | 83.6 | 102.1 | 125 | 0.416 | 1.0 | 0.0 | 0.309 | 1.0 | 0.0 | 84.4 | -75.6 | 80.9 | 110.8 | 133 | 0.416 | 1.0 | 0.0 | 0.309 | 1.0 | 0.0 | 84.4 | -75.6 | 80.9 | 110.8 | 133 | | |
| 131 | 126 | 134 | 0.4 | 1.0 | 0.0 | 84.9 | -71.3 | 81.5 | 108.3 | 131 | 0.562 | 1.0 | 0.0 | 86.3 | -60.4 | 83.3 | 103.0 | 126 | 0.4 | 1.0 | 0.0 | 0.244 | 1.0 | 0.0 | 84.1 | -78.3 | 80.5 | 112.4 | 134 | 0.4 | 1.0 | 0.0 | 0.244 | 1.0 | 0.0 | 84.1 | -78.3 | 80.5 | 112.4 | 134 | | |
| 131 | 127 | 135 | 0.383 | 1.0 | 0.0 | 84.8 | -72.3 | 81.3 | 108.8 | 131 | 0.536 | 1.0 | 0.0 | 86.1 | -62.4 | 83.0 | 103.9 | 127 | 0.383 | 1.0 | 0.0 | 0.132 | 1.0 | 0.0 | 83.8 | -81.2 | 80.1 | 114.1 | 135 | 0.383 | 1.0 | 0.0 | 0.132 | 1.0 | 0.0 | 83.8 | -81.2 | 80.1 | 114.1 | 135 | | |
| 132 | 128 | 136 | 0.366 | 1.0 | 0.0 | 84.7 | -73.2 | 81.2 | 109.3 | 132 | 0.51 | 1.0 | 0.0 | 85.8 | -64.4 | 82.6 | 104.8 | 128 | 0.366 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.073 | 83.7 | -82.3 | 78.0 | 113.5 | 136 | 0.366 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.073 | 83.7 | -82.3 | 78.0 | 113.5 | 136 |
| 132 | 129 | 137 | 0.35 | 1.0 | 0.0 | 84.6 | -73.9 | 81.1 | 109.7 | 132 | 0.477 | 1.0 | 0.0 | 85.5 | -66.5 | 82.3 | 105.8 | 129 | 0.35 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.165 | 83.7 | -81.6 | 74.2 | 110.4 | 137 | 0.35 | 1.0 | 0.0 | 0.165 | 83.7 | -81.6 | 74.2 | 110.4 | 137 | | | |
| 132 | 130 | 138 | 0.333 | 1.0 | 0.0 | 84.5 | -74.6 | 81.0 | 110.1 | 132 | 0.442 | 1.0 | 0.0 | 85.3 | -68.7 | 82.0 | 107.0 | 130 | 0.333 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.227 | 83.8 | -80.8 | 70.5 | 107.3 | 138 | 0.333 | 1.0 | 0.0 | 0.227 | 83.8 | -80.8 | 70.5 | 107.3 | 138 | | | |
| 132 | 131 | 140 | 0.316 | 1.0 | 0.0 | 84.4 | -75.3 | 80.9 | 110.6 | 132 | 0.406 | 1.0 | 0.0 | 85.0 | -70.9 | 81.6 | 108.1 | 131 | 0.316 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.273 | 83.8 | -80.0 | 67.0 | 104.5 | 140 | 0.316 | 1.0 | 0.0 | 0.273 | 83.8 | -80.0 | 67.0 | 104.5 | 140 | | | |
| 133 | 132 | 141 | 0.3 | 1.0 | 0.0 | 84.3 | -76.0 | 80.8 | 111.0 | 133 | 0.368 | 1.0 | 0.0 | 84.7 | -73.1 | 81.2 | 109.3 | 132 | 0.3 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.311 | 83.9 | -79.3 | 63.7 | 101.8 | 141 | 0.3 | 1.0 | 0.0 | 0.311 | 83.9 | -79.3 | 63.7 | 101.8 | 141 | | | |
| 133 | 133 | 142 | 0.283 | 1.0 | 0.0 | 84.2 | -76.8 | 80.7 | 111.4 | 133 | 0.314 | 1.0 | 0.0 | 84.5 | -75.4 | 80.9 | 110.7 | 133 | 0.283 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.349 | 84.0 | -78.4 | 60.4 | 99.0 | 142 | 0.283 | 1.0 | 0.0 | 0.349 | 84.0 | -78.4 | 60.4 | 99.0 | 142 | | | |
| 133 | 134 | 143 | 0.266 | 1.0 | 0.0 | 84.2 | -77.5 | 80.6 | 111.8 | 133 | 0.261 | 1.0 | 0.0 | 84.2 | -77.7 | 80.6 | 112.0 | 134 | 0.266 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.383 | 84.0 | -77.5 | 57.3 | 96.4 | 143 | 0.266 | 1.0 | 0.0 | 0.383 | 84.0 | -77.5 | 57.3 | 96.4 | 143 | | | |
| 134 | 135 | 144 | 0.25 | 1.0 | 0.0 | 84.1 | -78.2 | 80.5 | 112.2 | 134 | 0.173 | 1.0 | 0.0 | 83.9 | -80.2 | 80.3 | 113.5 | 135 | 0.25 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.41 | 84.1 | -76.8 | 54.3 | 94.1 | 144 | 0.25 | 1.0 | 0.0 | 0.41 | 84.1 | -76.8 | 54.3 | 94.1 | 144 | | | |
| 134 | 136 | 145 | 0.233 | 1.0 | 0.0 | 84.0 | -78.7 | 80.4 | 112.5 | 134 | 0.004 | 1.0 | 0.0 | 83.6 | -82.6 | 79.9 | 115.0 | 136 | 0.233 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.437 | 84.2 | -75.9 | 51.5 | 91.8 | 145 | 0.233 | 1.0 | 0.0 | 0.437 | 84.2 | -75.9 | 51.5 | 91.8 | 145 | | | |
| 134 | 137 | 147 | 0.216 | 1.0 | 0.0 | 84.0 | -79.1 | 80.4 | 112.8 | 134 | 0.0 | 1.0 | 0.125 | 83.7 | -82.1 | 76.6 | 112.3 | 137 | 0.216 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.464 | 84.2 | -75.0 | 48.7 | 89.5 | 147 | 0.216 | 1.0 | 0.0 | 0.464 | 84.2 | -75.0 | 48.7 | 89.5 | 147 | | | |
| 134 | 138 | 148 | 0.2 | 1.0 | 0.0 | 83.9 | -79.5 | 80.3 | 113.0 | 134 | 0.0 | 1.0 | 0.178 | 83.7 | -81.4 | 73.4 | 109.7 | 138 | 0.2 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.491 | 84.3 | -74.1 | 45.9 | 87.2 | 148 | 0.2 | 1.0 | 0.0 | 0.491 | 84.3 | -74.1 | 45.9 | 87.2 | 148 | | | |
| 134 | 139 | 149 | 0.183 | 1.0 | 0.0 | 83.9 | -79.9 | 80.2 | 113.3 | 134 | 0.0 | 1.0 | 0.231 | 83.8 | -80.7 | 70.3 | 107.1 | 139 | 0.183 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.513 | 84.4 | -73.3 | 43.4 | 85.2 | 149 | 0.183 | 1.0 | 0.0 | 0.513 | 84.4 | -73.3 | 43.4 | 85.2 | 149 | | | |
| 135 | 140 | 150 | 0.166 | 1.0 | 0.0 | 83.8 | -80.4 | 80.2 | 113.5 | 135 | 0.0 | 1.0 | 0.271 | 83.8 | -80.1 | 67.3 | 104.7 | 140 | 0.166 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.533 | 84.5 | -72.5 | 41.0 | 83.4 | 150 | 0.166 | 1.0 | 0.0 | 0.533 | 84.5 | -72.5 | 41.0 | 83.4 | 150 | | | |
| 135 | 141 | 151 | 0.15 | 1.0 | 0.0 | 83.8 | -80.8 | 80.1 | 113.8 | 135 | 0.0 | 1.0 | 0.303 | 83.9 | -79.4 | 64.4 | 102.3 | 141 | 0.15 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.553 | 84.5 | -71.7 | 38.6 | 81.6 | 151 | 0.15 | 1.0 | 0.0 | 0.553 | 84.5 | -71.7 | 38.6 | 81.6 | 151 | | | |
| 135 | 142 | 152 | 0.133 | 1.0 | 0.0 | 83.7 | -81.2 | 80.1 | 114.1 | 135 | 0.0 | 1.0 | 0.335 | 83.9 | -78.7 | 61.6 | 100.0 | 142 | 0.133 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.573 | 84.6 | -70.9 | 36.3 | 79.8 | 152 | 0.133 | 1.0 | 0.0 | 0.573 | 84.6 | -70.9 | 36.3 | 79.8 | 152 | | | |
| 135 | 143 | 154 | 0.116 | 1.0 | 0.0 | 83.7 | -81.5 | 80.0 | 114.2 | 135 | 0.0 | 1.0 | 0.368 | 84.0 | -77.9 | 58.8 | 97.7 | 143 | 0.116 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.593 | 84.7 | -70.0 | 34.1 | 77.9 | 154 | 0.116 | 1.0 | 0.0 | 0.593 | 84.7 | -70.0 | 34.1 | 77.9 | 154 | | | |
| 135 | 144 | 155 | 0.1 | 1.0 | 0.0 | 83.7 | -81.7 | 80.0 | 114.4 | 135 | 0.0 | 1.0 | 0.393 | 84.1 | -77.3 | 56.2 | 95.6 | 144 | 0.1 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.614 | 84.7 | -69.0 | 31.9 | 76.1 | 155 | 0.1 | 1.0 | 0.0 | 0.614 | 84.7 | -69.0 | 31.9 | 76.1 | 155 | | | |
| 135 | 145 | 156 | 0.083 | 1.0 | 0.0 | 83.7 | -81.9 | 80.0 | 114.5 | 135 | 0.0 | 1.0 | 0.416 | 84.1 | -76.6 | 53.7 | 93.6 | 145 | 0.083 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.631 | 84.8 | -68.2 | 29.8 | 74.5 | 156 | 0.083 | 1.0 | 0.0 | 0.631 | 84.8 | -68.2 | 29.8 | 74.5 | 156 | | | |
| 135 | 146 | 157 | 0.066 | 1.0 | 0.0 | 83.7 | -82.0 | 79.9 | 114.6 | 135 | 0.0 | 1.0 | 0.439 | 84.2 | -75.9 | 51.3 | 91.7 | 146 | 0.066 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.646 | 84.9 | -67.5 | 27.9 | 73.2 | 157 | 0.066 | 1.0 | 0.0 | 0.646 | 84.9 | -67.5 | 27.9 | 73.2 | 157 | | | |
| 135 | 147 | 158 | 0.049 | 1.0 | 0.0 | 83.6 | -82.2 | 79.9 | 114.7 | 135 | 0.0 | 1.0 | 0.462 | 84.2 | -75.1 | 48.8 | 89.7 | 147 | 0.049 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.661 | 85.0 | -66.9 | 26.1 | 71.9 | 158 | 0.049 | 1.0 | 0.0 | 0.661 | 85.0 | -66.9 | 26.1 | 71.9 | 158 | | | |
| 135 | 148 | 159 | 0.033 | 1.0 | 0.0 | 83.6 | -82.4 | 79.9 | 114.8 | 135 | 0.0 | 1.0 | 0.485 | 84.3 | -74.3 | 46.5 | 87.7 | 148 | 0.033 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.676 | 85.0 | -66.2 | 24.3 | 70.6 | 159 | 0.033 | 1.0 | 0.0 | 0.676 | 85.0 | -66.2 | 24.3 | 70.6 | 159 | | | |
| 135 | 149 | 161 | 0.016 | 1.0 | 0.0 | 83.6 | -82.6 | 79.9 | 114.9 | 135 | 0.0 | 1.0 | 0.506 | 84.4 | -73.5 | 44.2 | 85.9 | 149 | 0.016 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.691 | 85.1 | -65.4 | 22.5 | 69.2 | 161 | 0.016 | 1.0 | 0.0 | 0.691 | 85.1 | -65.4 | 22.5 | 69.2 | 161 | | | |
| 136 | 150 | 162 | 0.0 | 1.0 | 0.0 | 83.6 | -82.7 | 79.8 | 115.0 | 136 | G _d | 0.0 | 1.0 | 0.523 | 84.4 | -72.9 | 42.1 | 84.3 | 150G _s | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.706 | 85.2 | -64.6 | 20.7 | 67.9 | 162G _c | 0.0 | 1.0 | 0.0 | 0.706 | 85.2 | -64.6 | 20.7 | 67.9 | 162G _c | | |
| 136 | 151 | 163 | 0.0 | 1.0 | 0.016 | 83.6 | -82.7 | 79.4 | 114.6 | 136 | 0.0 | 1.0 | 0.541 | 84.5 | -72.3 | 40.1 | 82.7 | 151 | 0.0 | 1.0 | 0.017 | 0.0 | 1.0 | 0.0 | 0.718 | 85.2 | -63.9 | 19.4 | 66.9 | 163 | 0.0 | 1.0 | 0.017 | 0.718 | 85.2 | -63.9 | 19.4 | 66.9 | 163 | | | |

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_s: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
Six hue angles of the device colours RYGBCM_d: h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

| h _{ab,d} | h _{ab,s} | h _{ab,e} | rgb [*] _{dd361M} | LAB [*] _{ddx361Mi (x=LabCh)} | rgb [*] _{ds361Mi} | LAB [*] _{dsx361Mi (x=LabCh)} | rgb [*] _{dd361Mi} | rgb [*] _{de361Mi} | LAB [*] _{dex361Mi (x=LabCh)} | rgb [*] _{dd361Mi} | rgb [*] _{dd361Mi} | rgb [*] _{ds} | rgb [*] _{de} | | | | | |
|-------------------|-------------------|-------------------|------------------------------------|--|-------------------------------------|--|-------------------------------------|-------------------------------------|--|-------------------------------------|-------------------------------------|--------------------------------|--------------------------------|------|-------|-------|-------|-----|
| 139 | 165 | 175 | 0.0 | 1.0 | 0.25 | 83.8 | -80.5 | 69.1 | 106.1 | 139 | 0.0 | 1.0 | 0.25 | 83.8 | -80.5 | 69.1 | 106.1 | 139 |
| 139 | 166 | 176 | 0.0 | 1.0 | 0.266 | 83.8 | -80.2 | 67.6 | 104.9 | 139 | 0.0 | 1.0 | 0.267 | 83.8 | -80.2 | 67.6 | 104.9 | 139 |
| 140 | 167 | 177 | 0.0 | 1.0 | 0.283 | 83.8 | -79.9 | 66.1 | 103.7 | 140 | 0.0 | 1.0 | 0.283 | 83.8 | -79.9 | 66.1 | 103.7 | 140 |
| 140 | 168 | 178 | 0.0 | 1.0 | 0.3 | 83.8 | -79.6 | 64.6 | 102.5 | 140 | 0.0 | 1.0 | 0.3 | 83.8 | -79.6 | 64.6 | 102.5 | 140 |
| 141 | 169 | 179 | 0.0 | 1.0 | 0.316 | 83.9 | -79.2 | 63.1 | 101.3 | 141 | 0.0 | 1.0 | 0.317 | 83.9 | -79.2 | 63.1 | 101.3 | 141 |
| 141 | 170 | 180 | 0.0 | 1.0 | 0.333 | 83.9 | -78.8 | 61.7 | 100.1 | 141 | 0.0 | 1.0 | 0.333 | 83.9 | -78.8 | 61.7 | 100.1 | 141 |
| 142 | 171 | 181 | 0.0 | 1.0 | 0.35 | 83.9 | -78.4 | 60.2 | 98.9 | 142 | 0.0 | 1.0 | 0.35 | 83.9 | -78.4 | 60.2 | 98.9 | 142 |
| 142 | 172 | 182 | 0.0 | 1.0 | 0.366 | 84.0 | -78.0 | 58.8 | 97.7 | 142 | 0.0 | 1.0 | 0.367 | 84.0 | -78.0 | 58.8 | 97.7 | 142 |
| 143 | 173 | 183 | 0.0 | 1.0 | 0.383 | 84.0 | -77.6 | 57.2 | 96.4 | 143 | 0.0 | 1.0 | 0.383 | 84.0 | -77.6 | 57.2 | 96.4 | 143 |
| 144 | 174 | 184 | 0.0 | 1.0 | 0.4 | 84.0 | -77.1 | 55.4 | 94.9 | 144 | 0.0 | 1.0 | 0.4 | 84.0 | -77.1 | 55.4 | 94.9 | 144 |
| 145 | 175 | 185 | 0.0 | 1.0 | 0.416 | 84.1 | -76.6 | 53.6 | 93.5 | 145 | 0.0 | 1.0 | 0.417 | 84.1 | -76.6 | 53.6 | 93.5 | 145 |
| 145 | 176 | 185 | 0.0 | 1.0 | 0.433 | 84.1 | -76.1 | 51.8 | 92.1 | 145 | 0.0 | 1.0 | 0.433 | 84.1 | -76.1 | 51.8 | 92.1 | 145 |
| 146 | 177 | 186 | 0.0 | 1.0 | 0.45 | 84.2 | -75.6 | 50.0 | 90.6 | 146 | 0.0 | 1.0 | 0.45 | 84.2 | -75.6 | 50.0 | 90.6 | 146 |
| 147 | 178 | 187 | 0.0 | 1.0 | 0.466 | 84.2 | -75.0 | 48.3 | 89.2 | 147 | 0.0 | 1.0 | 0.467 | 84.2 | -75.0 | 48.3 | 89.2 | 147 |
| 147 | 179 | 188 | 0.0 | 1.0 | 0.483 | 84.3 | -74.4 | 46.6 | 87.8 | 147 | 0.0 | 1.0 | 0.483 | 84.3 | -74.4 | 46.6 | 87.8 | 147 |
| 148 | 180 | 189 | 0.0 | 1.0 | 0.5 | 84.3 | -73.7 | 44.9 | 86.4 | 148 | 0.0 | 1.0 | 0.5 | 84.3 | -73.7 | 44.9 | 86.4 | 148 |
| 149 | 181 | 190 | 0.0 | 1.0 | 0.516 | 84.4 | -73.2 | 42.9 | 84.8 | 149 | 0.0 | 1.0 | 0.517 | 84.4 | -73.2 | 42.9 | 84.8 | 149 |
| 150 | 182 | 191 | 0.0 | 1.0 | 0.533 | 84.4 | -72.6 | 40.9 | 83.3 | 150 | 0.0 | 1.0 | 0.533 | 84.4 | -72.6 | 40.9 | 83.3 | 150 |
| 151 | 183 | 192 | 0.0 | 1.0 | 0.55 | 84.5 | -71.9 | 39.0 | 81.8 | 151 | 0.0 | 1.0 | 0.55 | 84.5 | -71.9 | 39.0 | 81.8 | 151 |
| 152 | 184 | 193 | 0.0 | 1.0 | 0.566 | 84.5 | -71.2 | 37.0 | 80.3 | 152 | 0.0 | 1.0 | 0.567 | 84.5 | -71.2 | 37.0 | 80.3 | 152 |
| 153 | 185 | 194 | 0.0 | 1.0 | 0.583 | 84.6 | -70.5 | 35.2 | 78.8 | 153 | 0.0 | 1.0 | 0.583 | 84.6 | -70.5 | 35.2 | 78.8 | 153 |
| 154 | 186 | 195 | 0.0 | 1.0 | 0.6 | 84.6 | -69.7 | 33.3 | 77.3 | 154 | 0.0 | 1.0 | 0.6 | 84.6 | -69.7 | 33.3 | 77.3 | 154 |
| 155 | 187 | 195 | 0.0 | 1.0 | 0.616 | 84.7 | -68.9 | 31.5 | 75.8 | 155 | 0.0 | 1.0 | 0.617 | 84.7 | -68.9 | 31.5 | 75.8 | 155 |
| 156 | 188 | 196 | 0.0 | 1.0 | 0.633 | 84.8 | -68.1 | 29.5 | 74.3 | 156 | 0.0 | 1.0 | 0.633 | 84.8 | -68.1 | 29.5 | 74.3 | 156 |
| 157 | 189 | 197 | 0.0 | 1.0 | 0.65 | 84.8 | -67.4 | 27.4 | 72.8 | 157 | 0.0 | 1.0 | 0.65 | 84.8 | -67.4 | 27.4 | 72.8 | 157 |
| 159 | 190 | 198 | 0.0 | 1.0 | 0.666 | 84.9 | -66.7 | 25.4 | 71.3 | 159 | 0.0 | 1.0 | 0.667 | 84.9 | -66.7 | 25.4 | 71.3 | 159 |
| 160 | 191 | 199 | 0.0 | 1.0 | 0.683 | 85.0 | -65.8 | 23.4 | 69.9 | 160 | 0.0 | 1.0 | 0.683 | 85.0 | -65.8 | 23.4 | 69.9 | 160 |
| 161 | 192 | 200 | 0.0 | 1.0 | 0.7 | 85.1 | -65.0 | 21.4 | 68.4 | 161 | 0.0 | 1.0 | 0.7 | 85.1 | -65.0 | 21.4 | 68.4 | 161 |
| 163 | 193 | 201 | 0.0 | 1.0 | 0.716 | 85.2 | -64.0 | 19.5 | 67.0 | 163 | 0.0 | 1.0 | 0.717 | 85.2 | -64.0 | 19.5 | 67.0 | 163 |
| 164 | 194 | 202 | 0.0 | 1.0 | 0.733 | 85.2 | -63.1 | 17.6 | 65.5 | 164 | 0.0 | 1.0 | 0.733 | 85.2 | -63.1 | 17.6 | 65.5 | 164 |
| 165 | 195 | 203 | 0.0 | 1.0 | 0.75 | 85.3 | -62.0 | 15.9 | 64.0 | 165 | 0.0 | 1.0 | 0.75 | 85.3 | -62.0 | 15.9 | 64.0 | 165 |
| 167 | 196 | 204 | 0.0 | 1.0 | 0.766 | 85.4 | -61.2 | 13.7 | 62.8 | 167 | 0.0 | 1.0 | 0.767 | 85.4 | -61.2 | 13.7 | 62.8 | 167 |
| 169 | 197 | 205 | 0.0 | 1.0 | 0.783 | 85.5 | -60.4 | 11.5 | 61.5 | 169 | 0.0 | 1.0 | 0.783 | 85.5 | -60.4 | 11.5 | 61.5 | 169 |
| 170 | 198 | 206 | 0.0 | 1.0 | 0.8 | 85.6 | -59.5 | 9.5 | 60.2 | 170 | 0.0 | 1.0 | 0.8 | 85.6 | -59.5 | 9.5 | 60.2 | 170 |
| 172 | 199 | 206 | 0.0 | 1.0 | 0.816 | 85.7 | -58.5 | 7.5 | 59.0 | 172 | 0.0 | 1.0 | 0.817 | 85.7 | -58.5 | 7.5 | 59.0 | 172 |
| 174 | 200 | 207 | 0.0 | 1.0 | 0.833 | 85.8 | -57.4 | 5.5 | 57.7 | 174 | 0.0 | 1.0 | 0.833 | 85.8 | -57.4 | 5.5 | 57.7 | 174 |
| 176 | 201 | 208 | 0.0 | 1.0 | 0.85 | 85.9 | -56.3 | 3.7 | 56.4 | 176 | 0.0 | 1.0 | 0.85 | 85.9 | -56.3 | 3.7 | 56.4 | 176 |
| 177 | 202 | 209 | 0.0 | 1.0 | 0.866 | 86.0 | -55.1 | 1.9 | 55.2 | 177 | 0.0 | 1.0 | 0.867 | 86.0 | -55.1 | 1.9 | 55.2 | 177 |
| 180 | 203 | 210 | 0.0 | 1.0 | 0.883 | 86.1 | -54.1 | 0.0 | 54.1 | 180 | 0.0 | 1.0 | 0.883 | 86.1 | -54.1 | 0.0 | 54.1 | 180 |
| 182 | 204 | 211 | 0.0 | 1.0 | 0.9 | 86.2 | -53.2 | -2.1 | 53.2 | 182 | 0.0 | 1.0 | 0.9 | 86.2 | -53.2 | -2.1 | 53.2 | 182 |
| 184 | 205 | 212 | 0.0 | 1.0 | 0.916 | 86.3 | -52.2 | -4.2 | 52.4 | 184 | 0.0 | 1.0 | 0.917 | 86.3 | -52.2 | -4.2 | 52.4 | 184 |
| 187 | 206 | 213 | 0.0 | 1.0 | 0.933 | 86.4 | -51.1 | -6.3 | 51.5 | 187 | 0.0 | 1.0 | 0.933 | 86.4 | -51.1 | -6.3 | 51.5 | 187 |
| 189 | 207 | 214 | 0.0 | 1.0 | 0.95 | 86.5 | -50.0 | -8.2 | 50.7 | 189 | 0.0 | 1.0 | 0.95 | 86.5 | -50.0 | -8.2 | 50.7 | 189 |
| 191 | 208 | 215 | 0.0 | 1.0 | 0.966 | 86.6 | -48.8 | -10.1 | 49.8 | 191 | 0.0 | 1.0 | 0.967 | 86.6 | -48.8 | -10.1 | 49.8 | 191 |
| 194 | 209 | 216 | 0.0 | 1.0 | 0.983 | 86.7 | -47.5 | -11.8 | 48.9 | 194 | 0.0 | 1.0 | 0.983 | 86.7 | -47.5 | -11.8 | 48.9 | 194 |
| 196 | 210 | 216 | 0.0 | 1.0 | 1.0 | 86.8 | -46.1 | -13.5 | 48.1 | 196 | 0.0 | 1.0 | 1.0 | 86.8 | -46.1 | -13.5 | 48.1 | 196 |



see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31L0FP.PDF /.PS
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE31/QE31L0FP.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_s; h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
 Six hue angles of the device colours RYGBM_d; h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e; h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

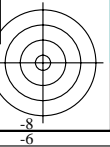
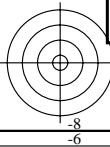
| h _{ab,d} | h _{ab,s} | h _{ab,e} | rgb [*] _{dd361M} | LAB [*] _{ddx361Mi (x=LabCh)} | rgb [*] _{ds361Mi} | LAB [*] _{dsx361Mi (x=LabCh)} | rgb [*] _{dd361Mi} | LAB [*] _{de361Mi} | LAB [*] _{dex361Mi (x=LabCh)} | rgb [*] _{dd361Mi} | rgb [*] _{ds361Mi} | rgb [*] _{de361Mi} | | | | | | | | | | | | | | | |
|-------------------|-------------------|-------------------|------------------------------------|--|-------------------------------------|--|-------------------------------------|-------------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------|-------|------|-----|-----------|-----------|-----|-----------|------|-------|-------|------|-----|-----------|-----------|
| 301 | 255 | 258 | 0.0 | 0.25 1.0 | 37.1 | 55.9 | -92.3 | 107.9 | 301 | 0.0 | 0.25 1.0 | 66.1 | -12.3 | -46.0 | 47.8 | 255 | 0.0 | 0.25 1.0 | 0.0 | 0.69 1.0 | 64.9 | -10.1 | -48.0 | 49.2 | 258 | 0.0 | 0.25 1.0 |
| 301 | 256 | 258 | 0.0 | 0.233 1.0 | 36.5 | 57.6 | -93.4 | 109.7 | 301 | 0.0 | 0.233 1.0 | 65.7 | -11.6 | -46.7 | 48.2 | 256 | 0.0 | 0.233 1.0 | 0.0 | 0.685 1.0 | 64.6 | -9.4 | -48.6 | 49.6 | 258 | 0.0 | 0.233 1.0 |
| 302 | 257 | 259 | 0.0 | 0.216 1.0 | 35.9 | 59.4 | -94.5 | 111.6 | 302 | 0.0 | 0.216 1.0 | 65.3 | -10.9 | -47.3 | 48.7 | 257 | 0.0 | 0.216 1.0 | 0.0 | 0.68 1.0 | 64.2 | -8.7 | -49.1 | 50.0 | 259 | 0.0 | 0.216 1.0 |
| 302 | 258 | 260 | 0.0 | 0.2 1.0 | 35.2 | 61.2 | -95.5 | 113.5 | 302 | 0.0 | 0.2 1.0 | 64.9 | -10.1 | -48.0 | 49.1 | 258 | 0.0 | 0.2 1.0 | 0.0 | 0.675 1.0 | 63.8 | -8.0 | -49.7 | 50.4 | 260 | 0.0 | 0.2 1.0 |
| 303 | 259 | 261 | 0.0 | 0.183 1.0 | 34.6 | 63.0 | -96.6 | 115.3 | 303 | 0.0 | 0.183 1.0 | 64.5 | -9.4 | -48.6 | 49.6 | 259 | 0.0 | 0.183 1.0 | 0.0 | 0.67 1.0 | 63.5 | -7.2 | -50.2 | 50.9 | 261 | 0.0 | 0.183 1.0 |
| 303 | 260 | 262 | 0.0 | 0.166 1.0 | 34.0 | 64.8 | -97.6 | 117.2 | 303 | 0.0 | 0.166 1.0 | 64.2 | -8.6 | -49.2 | 50.1 | 260 | 0.0 | 0.166 1.0 | 0.0 | 0.665 1.0 | 63.1 | -6.5 | -50.8 | 51.3 | 262 | 0.0 | 0.166 1.0 |
| 304 | 261 | 263 | 0.0 | 0.15 1.0 | 33.4 | 66.7 | -98.6 | 119.1 | 304 | 0.0 | 0.15 1.0 | 63.8 | -7.8 | -49.8 | 50.5 | 261 | 0.0 | 0.15 1.0 | 0.0 | 0.66 1.0 | 62.8 | -5.7 | -51.3 | 51.7 | 263 | 0.0 | 0.15 1.0 |
| 304 | 262 | 264 | 0.0 | 0.133 1.0 | 32.8 | 68.6 | -99.6 | 120.9 | 304 | 0.0 | 0.133 1.0 | 63.4 | -7.0 | -50.4 | 51.0 | 262 | 0.0 | 0.133 1.0 | 0.0 | 0.655 1.0 | 62.4 | -5.0 | -51.8 | 52.1 | 264 | 0.0 | 0.133 1.0 |
| 304 | 263 | 265 | 0.0 | 0.116 1.0 | 32.3 | 70.0 | -100.3 | 123.3 | 304 | 0.0 | 0.116 1.0 | 63.0 | -6.2 | -51.0 | 51.5 | 263 | 0.0 | 0.116 1.0 | 0.0 | 0.65 1.0 | 62.1 | -4.2 | -52.3 | 52.5 | 265 | 0.0 | 0.116 1.0 |
| 305 | 264 | 266 | 0.0 | 0.1 1.0 | 32.0 | 70.8 | -100.8 | 123.2 | 305 | 0.0 | 0.1 1.0 | 62.6 | -5.3 | -51.5 | 51.9 | 264 | 0.0 | 0.1 1.0 | 0.0 | 0.645 1.0 | 61.7 | -3.4 | -52.8 | 53.0 | 266 | 0.0 | 0.1 1.0 |
| 305 | 265 | 267 | 0.0 | 0.083 1.0 | 31.7 | 71.7 | -101.2 | 124.1 | 305 | 0.0 | 0.083 1.0 | 62.2 | -4.5 | -52.1 | 52.4 | 265 | 0.0 | 0.083 1.0 | 0.0 | 0.64 1.0 | 61.4 | -2.5 | -53.2 | 53.4 | 267 | 0.0 | 0.083 1.0 |
| 305 | 266 | 268 | 0.0 | 0.066 1.0 | 31.5 | 72.5 | -101.7 | 124.9 | 305 | 0.0 | 0.066 1.0 | 61.8 | -3.6 | -52.6 | 52.8 | 266 | 0.0 | 0.066 1.0 | 0.0 | 0.635 1.0 | 61.0 | -1.7 | -53.7 | 53.8 | 268 | 0.0 | 0.066 1.0 |
| 305 | 267 | 269 | 0.0 | 0.049 1.0 | 31.2 | 73.4 | -102.2 | 125.8 | 305 | 0.0 | 0.049 1.0 | 61.4 | -2.7 | -53.1 | 53.3 | 267 | 0.0 | 0.049 1.0 | 0.0 | 0.63 1.0 | 60.6 | -0.8 | -54.1 | 54.2 | 269 | 0.0 | 0.049 1.0 |
| 305 | 268 | 269 | 0.0 | 0.033 1.0 | 30.9 | 74.3 | -102.6 | 126.7 | 305 | 0.0 | 0.033 1.0 | 61.0 | -1.8 | -53.6 | 53.8 | 268 | 0.0 | 0.033 1.0 | 0.0 | 0.624 1.0 | 60.3 | 0.0 | -54.6 | 54.7 | 269 | 0.0 | 0.033 1.0 |
| 306 | 269 | 270 | 0.0 | 0.016 1.0 | 30.6 | 75.1 | -103.1 | 127.6 | 306 | 0.0 | 0.016 1.0 | 60.6 | -0.8 | -54.1 | 54.2 | 269 | 0.0 | 0.016 1.0 | 0.0 | 0.617 1.0 | 59.8 | 0.8 | -55.6 | 55.7 | 270 | 0.0 | 0.016 1.0 |
| 306 | 270 | 271 | 0.0 | 0.0 1.0 | 30.3 | 76.0 | -103.5 | 128.5 | 306 | 0.0 | 0.0 1.0 | 60.2 | 0.0 | -54.7 | 54.8 | 270 | 0.0 | 0.0 1.0 | 0.0 | 0.609 1.0 | 59.3 | 1.7 | -56.5 | 56.6 | 271 | 0.0 | 0.0 1.0 |
| 306 | 271 | 272 | 0.016 0.0 | 1.0 | 30.4 | 76.0 | -103.4 | 128.4 | 306 | 0.0 | 0.016 0.0 | 59.7 | 1.0 | -55.7 | 55.9 | 271 | 0.0 | 0.016 0.0 | 1.0 | 0.602 1.0 | 58.7 | 2.7 | -57.5 | 57.6 | 272 | 0.016 0.0 | 1.0 |
| 306 | 272 | 273 | 0.033 0.0 | 1.0 | 30.5 | 76.1 | -103.3 | 128.3 | 306 | 0.0 | 0.033 0.0 | 59.1 | 2.0 | -56.8 | 56.9 | 272 | 0.033 0.0 | 1.0 | 0.0 | 0.594 1.0 | 58.2 | 3.7 | -58.4 | 58.6 | 273 | 0.033 0.0 | 1.0 |
| 306 | 273 | 274 | 0.05 0.0 | 1.0 | 30.6 | 76.1 | -103.1 | 128.2 | 306 | 0.0 | 0.05 0.0 | 58.5 | 3.0 | -57.8 | 58.0 | 273 | 0.05 0.0 | 1.0 | 0.0 | 0.586 1.0 | 57.7 | 4.8 | -59.4 | 59.7 | 274 | 0.05 0.0 | 1.0 |
| 306 | 274 | 275 | 0.066 0.0 | 1.0 | 30.7 | 76.1 | -103.0 | 128.1 | 306 | 0.0 | 0.066 0.0 | 58.0 | 4.1 | -58.8 | 59.0 | 274 | 0.066 0.0 | 1.0 | 0.0 | 0.578 1.0 | 57.1 | 5.8 | -60.3 | 60.7 | 275 | 0.066 0.0 | 1.0 |
| 306 | 275 | 276 | 0.083 0.0 | 1.0 | 30.8 | 76.2 | -102.8 | 128.0 | 306 | 0.0 | 0.083 0.0 | 57.4 | 5.2 | -59.8 | 60.1 | 275 | 0.083 0.0 | 1.0 | 0.0 | 0.57 1.0 | 56.6 | 7.0 | -61.2 | 61.7 | 276 | 0.083 0.0 | 1.0 |
| 306 | 276 | 277 | 0.1 0.0 | 1.0 | 30.9 | 76.2 | -102.7 | 127.9 | 306 | 0.0 | 0.1 0.0 | 56.9 | 6.4 | -60.7 | 61.2 | 276 | 0.1 0.0 | 1.0 | 0.0 | 0.563 1.0 | 56.1 | 8.1 | -62.0 | 62.7 | 277 | 0.1 0.0 | 1.0 |
| 306 | 277 | 278 | 0.116 0.0 | 1.0 | 30.9 | 76.2 | -102.5 | 127.8 | 306 | 0.0 | 0.116 0.0 | 56.3 | 7.6 | -61.7 | 62.2 | 277 | 0.116 0.0 | 1.0 | 0.0 | 0.555 1.0 | 55.5 | 9.3 | -62.9 | 63.7 | 278 | 0.116 0.0 | 1.0 |
| 306 | 278 | 279 | 0.133 0.0 | 1.0 | 31.1 | 76.3 | -102.3 | 127.6 | 306 | 0.0 | 0.133 0.0 | 55.7 | 8.8 | -62.6 | 63.3 | 278 | 0.133 0.0 | 1.0 | 0.0 | 0.547 1.0 | 55.0 | 10.5 | -63.7 | 64.7 | 279 | 0.133 0.0 | 1.0 |
| 306 | 279 | 280 | 0.15 0.0 | 1.0 | 31.3 | 76.3 | -101.9 | 127.4 | 306 | 0.0 | 0.15 0.0 | 55.2 | 10.1 | -63.5 | 64.3 | 279 | 0.15 0.0 | 1.0 | 0.0 | 0.539 1.0 | 54.5 | 11.7 | -64.5 | 65.7 | 280 | 0.15 0.0 | 1.0 |
| 306 | 280 | 281 | 0.166 0.0 | 1.0 | 31.5 | 76.4 | -101.6 | 127.1 | 306 | 0.0 | 0.166 0.0 | 54.6 | 11.4 | -64.3 | 65.4 | 280 | 0.166 0.0 | 1.0 | 0.0 | 0.531 1.0 | 53.9 | 13.0 | -65.3 | 66.7 | 281 | 0.166 0.0 | 1.0 |
| 307 | 281 | 282 | 0.183 0.0 | 1.0 | 31.7 | 76.5 | -101.2 | 126.9 | 307 | 0.0 | 0.183 0.0 | 54.1 | 12.7 | -65.1 | 66.5 | 281 | 0.183 0.0 | 1.0 | 0.0 | 0.524 1.0 | 53.4 | 14.3 | -66.1 | 67.7 | 282 | 0.183 0.0 | 1.0 |
| 307 | 282 | 283 | 0.2 0.0 | 1.0 | 31.9 | 76.6 | -100.9 | 126.7 | 307 | 0.0 | 0.2 0.0 | 53.5 | 14.0 | -66.0 | 67.5 | 282 | 0.2 0.0 | 1.0 | 0.0 | 0.516 1.0 | 52.9 | 15.6 | -66.8 | 68.7 | 283 | 0.2 0.0 | 1.0 |
| 307 | 283 | 284 | 0.216 0.0 | 1.0 | 32.1 | 76.6 | -100.5 | 126.4 | 307 | 0.0 | 0.216 0.0 | 52.9 | 15.4 | -66.7 | 68.6 | 283 | 0.216 0.0 | 1.0 | 0.0 | 0.508 1.0 | 52.3 | 16.9 | -67.5 | 69.7 | 284 | 0.216 0.0 | 1.0 |
| 307 | 284 | 285 | 0.233 0.0 | 1.0 | 32.3 | 76.7 | -100.1 | 126.2 | 307 | 0.0 | 0.233 0.0 | 52.4 | 16.9 | -67.5 | 69.7 | 284 | 0.233 0.0 | 1.0 | 0.0 | 0.5 1.0 | 51.8 | 18.3 | -68.2 | 70.7 | 285 | 0.233 0.0 | 1.0 |
| 307 | 285 | 285 | 0.25 0.0 | 1.0 | 32.6 | 76.8 | -99.8 | 125.9 | 307 | 0.0 | 0.25 0.0 | 51.8 | 18.3 | -68.2 | 70.7 | 285 | 0.25 0.0 | 1.0 | 0.0 | 0.488 1.0 | 51.0 | 19.9 | -69.6 | 72.5 | 285 | 0.25 0.0 | 1.0 |
| 307 | 286 | 286 | 0.266 0.0 | 1.0 | 32.9 | 77.0 | -99.2 | 125.6 | 307 | 0.0 | 0.266 0.0 | 51.0 | 20.0 | -69.7 | 72.6 | 286 | 0.266 0.0 | 1.0 | 0.0 | 0.476 1.0 | 50.3 | 21.6 | -71.0 | 74.3 | 286 | 0.266 0.0 | 1.0 |
| 308 | 287 | 287 | 0.283 0.0 | 1.0 | 33.2 | 77.1 | -98.6 | 125.2 | 308 | 0.0 | 0.283 0.0 | 50.2 | 21.8 | -71.2 | 74.5 | 287 | 0.283 0.0 | 1.0 | 0.0 | 0.464 1.0 | 49.5 | 23.3 | -72.4 | 76.1 | 287 | 0.283 0.0 | 1.0 |
| 308 | 288 | 288 | 0.3 0.0 | 1.0 | 33.6 | 77.3 | -98.1 | 124.9 | 308 | 0.0 | 0.3 0.0 | 49.4 | 23.6 | -72.6 | 76.4 | 288 | 0.3 0.0 | 1.0 | 0.0 | 0.452 1.0 | 48.8 | 25.1 | -73.7 | 77.9 | 288 | 0.3 0.0 | 1.0 |
| 308 | 289 | 289 | 0.316 0.0 | 1.0 | 33.9 | 77.4 | -97.5 | 124.5 | 308 | 0.0 | 0.316 0.0 | 48.6 | 25.5 | -74.0 | 78.3 | 289 | 0.316 0.0 | 1.0 | 0.0 | 0.44 1.0 | 48.0 | 26.9 | -75.0 | 79.8 | 289 | 0.316 0.0 | 1.0 |
| 308 | 290 | 290 | 0.333 0.0 | 1.0 | 34.3 | 77.6 | -96.9 | 124.1 | 308 | 0.0 | 0.333 0.0 | 47.8 | 27.4 | -75.3 | 80.2 | 290 | 0.333 0.0 | 1.0 | 0.0 | 0.428 1.0 | 47.2 | 28.8 | -76.2 | 81.6 | 290 | 0.333 0.0 | 1.0 |
| 308 | 291 | 291 | 0.35 0.0 | 1.0 | 34.6 | 77.7 | -96.3 | 123.8 | 308 | 0.0 | 0.35 0.0 | 47.0 | 29.4 | -76.6 | 82.1 | 291 | 0.35 0.0 | 1.0 | 0.0 | 0.416 1.0 | 46.5 | 30.7 | -77.4 | 83.4 | 291 | 0.35 0.0 | 1.0 |
| 309 | 292 | 292 | 0.366 0.0 | 1.0 | 34.9 | 77.9 | -95.7 | 123.4 | 309 | 0.0 | 0.366 0.0 | 46.2 | 31.5 | -77.8 | 84.1 | 292 | 0.366 0.0 | 1.0 | 0.0 | 0.404 1.0 | 45.7 | 32.7 | -78.5 | 85.2 | 292 | 0.366 0.0 | 1.0 |
| 309 | 293 | 293 | 0.383 0.0 | 1.0 | 35.3 | 78.1 | -95.1 | 123.0 | 309 | 0.0 | 0.383 0.0 | 45.4 | 33.6 | -79.0 | 86.0 | 293 | 0.383 0.0 | 1.0 | 0.0 | 0.392 1.0 | 44.9 | 34.7 | -79.7 | 87.0 | 293 | 0.383 0.0 | 1.0 |
| 309 | 294 | 294 | 0.4 0.0 | 1.0 | 35.8 | 78.3 | -94.3 | 122.6 | 309 | 0.0 | 0.4 0.0 | 44.6 | 35.7 | -80.2 | 87.9 | 294 | 0.4 0.0 | 1.0 | 0.0 | 0.38 1.0 | 44.2 | 36.8 | -80.7 | 88.8 | 294 | 0.4 0.0 | 1.0 |
| 310 | 295 | 295 | 0.416 0.0 | 1.0 | 36.3 | 78.6 | -93.5 | 122.2 | 310 | 0.0 | 0.416 0.0 | 43.7 | 38.0 | -81.4 | 89.9 | 295 | 0.416 0.0 | 1.0 | 0.0 | 0.364 1.0 | 43.3 | 39.2 | -82.2 | 91.2 | 295 | 0.416 0.0 | 1.0 |
| 310 | 296 | 296 | 0.433 0.0 | 1.0 | 36.7 | 78.9 | -92.7 | 121.8 | 310 | 0.0 | 0.433 0.0 | 42.7 | 40.7 | -83.3 | 92.8 | 296 | 0.433 0.0 | 1.0 | 0.0 | 0.345 1.0 | 42.3 | 41.7 | -84.0 | 93.9 | 296 | 0.433 0.0 | 1.0 |
| 310 | 297 | 297 | 0.45 0.0 | 1.0 | 37.2 | 79.1 | -92.0 | 121.3 | 310 | 0.0 | 0.45 0.0 | 41.6 | 43.5 | -85.2 | 95.7 | 297 | 0.45 0.0 | 1.0 | 0.0 | 0.327 1.0 | 41.3 | 44.4 | -85.8 | 96.7 | 297 | 0.45 0.0 | 1.0 |
| 311 | 298 | 298 | | | | | | | | | | | | | | | | | | | | | | | | | |

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

| <i>h_{ab,d}</i> | <i>h_{ab,s}</i> | <i>h_{ab,e}</i> | <i>rgb[*]_{dd}361M</i> | <i>LAB[*]_{dsx361Mi} (x=LabCh)</i> | <i>rgb[*]_{ds361Mi}</i> | <i>LAB[*]_{dsx361Mi} (x=LabCh)</i> | <i>rgb[*]_{dd361Mi}</i> | <i>rgb[*]_{de361Mi}</i> | <i>LAB[*]_{dex361Mi} (x=LabCh)</i> | <i>rgb[*]_{dd361Mi}</i> | <i>rgb[*]_{dd}</i> | <i>rgb[*]_{ds}</i> | <i>rgb[*]_{de}</i> |
|-------------------------|-------------------------|-------------------------|---|---|--|---|--|--|---|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 | 0.716 |
| 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/QE31/QE31.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE31/QE31L0FP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rha4ta



TUB registration: 20130201-QE31/QE31LOFP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta



Table with columns: nrf, HHC*Ftd, rpb_Ftd, icr_Ftd, hsa_Ftd, rpb*Ftd, LabCh*Ftd, DP**Ftd, hAn*Ftd, rpb**Ftd, LabCh**Ftd, and numerical values for each row.

Mean color difference of this page: delta E** = 0.1

see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31LOFP.PDF /PS; 3D-linearization technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

input: rgb/cmyk -> rgbdd output: 3D-linearization to rgb**dd

TUB-test chart QE31; hue code: H*d=Y00Gd colors and differences, ΔE**

application for measurement of display output, no separation

http://130.149.60.45/~farbmetrik/QE31/QE31LOFP.PDF /.PS; 3D-linearization
F: 3D-linearization QE31/QE31LE30FP.DAT in file (F), page 16/29

Table with columns: n/F, H/C*F, r/gb*F, i/c*F, h/s*F, r/gb*F, LabC*F, LabCH*F, DP*F, h/v*F, r/gb*F, LabCH*F, LabC*F. Rows 1-80.

Mean color difference of this page: delta E** = 0.5

TUB-test chart QE31; hue code: H*d=Y00Gd
colors and differences, ΔE**

input: rgb/cmlyk -> rgbd
output: 3D-linearization to rgb**dd

see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE31/QE31LOFP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with 16 columns: n, HHC*Fid, rpb*Fid, icr*Fid, hsa*Fid, rpb*Fid, LabCh*Fid, LabCh*Fid, rpb*Fid, DF*Fid, hsa*Fid, LabCh*Fid, rpb*Fid, LabCh*Fid, LabCh*Fid, LabCh*Fid. Rows 81-161.

see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

input: rgb/cmyk -> rgbd output: 3D-linearization to rgb*dd

TUB-test chart QE31; hue code: H*d=Y00Gd colors and differences, AE*^{*}

Mean color difference of this page: delta E*ab = 0.6

QE310-7N; Page 17/29-F

application for measurement of display output, no separation

TUB material: code=rha4ta

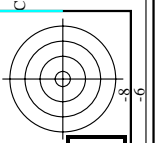
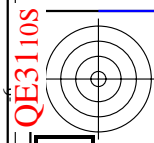
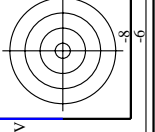
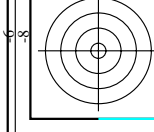


Table with 40 columns (n, HHC*F0id, rpb*F0id, icr*F0id, hsa*F0id, rpb*F0id, LabCH*F0id, LabCH*F0id, DP*F0id, rpb*F0id, rpb*F0id, LabCH*F0id) and 40 rows of numerical data.

Mean color difference of this page: delta E*ab = 0.5

input: rgb/cmlyk -> rgbd output: 3D-linearization to rgb*dd



see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB-test chart QE31; hue code: H*d=Y00G*d colors and differences, AE*F

QE310-7N; Page 20/29-F

L-1031930-F0

TUB registration: 20130201-QE31/QE31LOFP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with columns: n, H#C*Ftd, rpb*Ftd, icr*Ftd, hsa*Ftd, rpb*Ftd, LabCH*Ftd, LabCH*Ftd, rpb*Ftd, DP*Ftd, LabCH*Ftd, LabCH*Ftd, rpb*Ftd, LabCH*Ftd. Rows 405-485.

Mean color difference of this page: delta E** = 0.4

see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB-test chart QE31; hue code: H*d=Y00Gd colors and differences, AE**

input: rgb/cmlyk -> rbgdd output: 3D-linearization to rbg**dd

TUB registration: 20130201-QE31/QE31LOFP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with 20 columns: n, H#*F0d, rpb_F0d, iet_F0d, hsa_F0d, rpb_F0d, LabCh_F0d, LabCh_F0d, rpb_F0d, LabCh_F0d, LabCh_F0d, LabCh_F0d, LabCh_F0d, LabCh_F0d, LabCh_F0d, LabCh_F0d, LabCh_F0d, LabCh_F0d, LabCh_F0d, LabCh_F0d. Rows include color names like R00Y, R00G, R00B, etc.

see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31LOFP.PDF /.PS; 3D-linearization F: 3D-linearization QE31/QE31LE30FP.DAT in file (F), page 23/29

input: rgb/cmyk -> rgbd output: 3D-linearization to rgb*dd

Mean color difference of this page: delta E** = 0.3

TUB registration: 20130201-QE31/QE31LOFP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

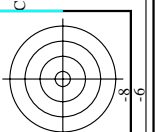
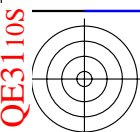
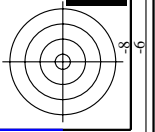
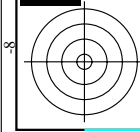


Table with columns: n, HHC*Ftd, rpb*Ftd, icr*Ftd, hsa*Ftd, rpb*Ftd, LabCh*Ftd, LabCh*Ftd, rpb*Ftd, DF*Ftd, hsa*Ftd, rpb*Ftd, LabCh*Ftd, LabCh*Ftd, rpb*Ftd, delta, E* = 2.5



see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

input: rgb/cmyk -> rgbd output: 3D-linearization to rgb*dd

TUB-test chart QE31; hue code: H*d=Y00Gd colors and differences, AE* *

L-1032330-F0

QE310-7N; Page 24/29-F

Mean color difference of this page:

TUB registration: 20130201-QE31/QE31LOFP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with 15 columns: n, HC*Fid, rgb*Fid, iet*Fid, ihs*Fid, LabCH*Fid, rgb*Fid, LabCH*Fid, DP*Fid, rghb*Fid, LabCH*Fid, rghb*Fid, LabCH*Fid, DP*Fid, rghb*Fid. Rows 972-1052.

Mean color difference of this page: delta E** = 0.3

http://130.149.60.45/~farbmetrik/QE31/QE31LOFP.PDF /.PS; 3D-linearization F: 3D-linearization QE31/QE31LE30FP.DAT in file (F), page 28/29

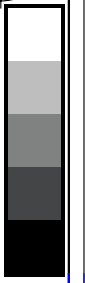
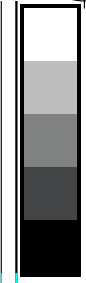
input: rgb/cmyk -> rghb output: 3D-linearization to rghb*dd

TUB-test chart QE31; hue code: H*d=Y00Gd colors and differences, AE**

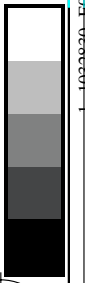
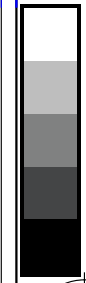
see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE31/QE31L0FP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta



http://130.149.60.45/~farbmetrik/QE31/QE31L0FP.PDF /.PS; 3D-linearization F: 3D-linearization QE31/QE31LE30FP.DAT in file (F), page 29/29



see similar files: http://130.149.60.45/~farbmetrik/QE31/QE31.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

input: rgb/cmyk -> rgbdd output: 3D-linearization to rgb*dd

| n | HC*Fad | rgb*Fad | icT*Fad | hsa*Fad | rgb*Fad | LabCH*Fad | LabCH*Fad | DF*Fad | rgb*Fad | LabCH*Fad |
|------|---------------|---------|---------|---------|---------|-----------|-----------|--------|---------|-----------|
| 1053 | NW_086ad | 0.866 | 0.866 | 0.866 | 0.866 | 82.6 | 82.6 | 0.2 | 0.1 | 0.0 |
| 1054 | NW_093ad | 0.933 | 0.933 | 0.933 | 0.933 | 89.0 | 88.9 | 0.2 | 0.2 | 0.0 |
| 1055 | NW_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 95.4 | 0.0 | 0.0 | 0.0 |
| 1056 | NW_006ad | 0.066 | 0.066 | 0.066 | 0.066 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1057 | NW_013ad | 0.133 | 0.133 | 0.133 | 0.133 | 12.6 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1058 | NW_020ad | 0.2 | 0.2 | 0.2 | 0.2 | 19.0 | -0.1 | 0.5 | 0.1 | 0.0 |
| 1059 | NW_026ad | 0.266 | 0.266 | 0.266 | 0.266 | 25.3 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1060 | NW_033ad | 0.333 | 0.333 | 0.333 | 0.333 | 31.7 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1061 | NW_040ad | 0.4 | 0.4 | 0.4 | 0.4 | 38.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 1062 | NW_046ad | 0.466 | 0.466 | 0.466 | 0.466 | 44.4 | -0.5 | 0.2 | 0.5 | 0.0 |
| 1063 | NW_053ad | 0.533 | 0.533 | 0.533 | 0.533 | 50.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1064 | NW_059ad | 0.593 | 0.593 | 0.593 | 0.593 | 57.1 | -0.3 | 0.1 | 0.4 | 0.0 |
| 1065 | NW_066ad | 0.666 | 0.666 | 0.666 | 0.666 | 63.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1066 | NW_073ad | 0.734 | 0.734 | 0.734 | 0.734 | 70.0 | -0.3 | 0.2 | 0.1 | 0.0 |
| 1067 | NW_080ad | 0.8 | 0.8 | 0.8 | 0.8 | 76.3 | 0.0 | 0.2 | 0.2 | 0.0 |
| 1068 | NW_086ad | 0.866 | 0.866 | 0.866 | 0.866 | 82.6 | 0.0 | 0.2 | 0.2 | 0.0 |
| 1069 | NW_093ad | 0.933 | 0.933 | 0.933 | 0.933 | 89.0 | -0.2 | 0.2 | 0.2 | 0.0 |
| 1070 | NW_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1071 | NW_006ad | 0.066 | 0.066 | 0.066 | 0.066 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1072 | NW_013ad | 0.133 | 0.133 | 0.133 | 0.133 | 12.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1073 | NW_020ad | 0.2 | 0.2 | 0.2 | 0.2 | 19.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1074 | NW_026ad | 0.266 | 0.266 | 0.266 | 0.266 | 25.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1075 | NW_033ad | 0.333 | 0.333 | 0.333 | 0.333 | 31.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1076 | NW_040ad | 0.4 | 0.4 | 0.4 | 0.4 | 38.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1077 | NW_046ad | 0.466 | 0.466 | 0.466 | 0.466 | 44.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1078 | NW_053ad | 0.533 | 0.533 | 0.533 | 0.533 | 50.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1079 | NW_059ad | 0.593 | 0.593 | 0.593 | 0.593 | 57.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1080 | NW_066ad | 0.666 | 0.666 | 0.666 | 0.666 | 63.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1081 | NW_073ad | 0.734 | 0.734 | 0.734 | 0.734 | 70.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1082 | NW_080ad | 0.8 | 0.8 | 0.8 | 0.8 | 76.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1083 | NW_086ad | 0.866 | 0.866 | 0.866 | 0.866 | 82.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1084 | NW_093ad | 0.933 | 0.933 | 0.933 | 0.933 | 89.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1085 | NW_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1086 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1087 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1088 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1089 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1090 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1091 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1092 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1093 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1094 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1095 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1096 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1097 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1098 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1099 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1100 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1101 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1102 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1103 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1104 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1105 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1106 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1107 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1108 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1109 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1110 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1111 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1112 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1113 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1114 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1115 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1116 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1117 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1118 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1119 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1120 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1121 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1122 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1123 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1124 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1125 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1126 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1127 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1128 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1129 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1130 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1131 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1132 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1133 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1134 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1135 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1136 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1137 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1138 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1139 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1140 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1141 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1142 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1143 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1144 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1145 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1146 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1147 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1148 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1149 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1150 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1151 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1152 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1153 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1154 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1155 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1156 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1157 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1158 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1159 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1160 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1161 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1162 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1163 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1164 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1165 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1166 | ROY_100_100ad | 1.0 | 1.0 | 1.0 | 1.0 | 95.4</ | | | | |