

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 234/360 = 0.65$

$H^*_- = G50B_-$

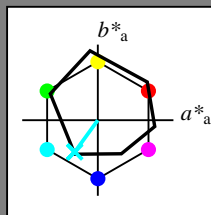
Data for any device (d) or elementary (e) colour:

$HIC^*_-$

hue text for the colours of this page:

$H^*_- = G50B_-$

triangle lightness  $T^*$



**ORS18a; adapted (a) CIELAB data**

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

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}$ : 63 -30 -42 51 234

$HIC^*_{-,Ma}$ : G50B\_100\_100\_

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

0.0 1.0 1.0 1.0 1.0

triangle lightness  $T^*$

%Gamut

$u^*_{rel} = 92$

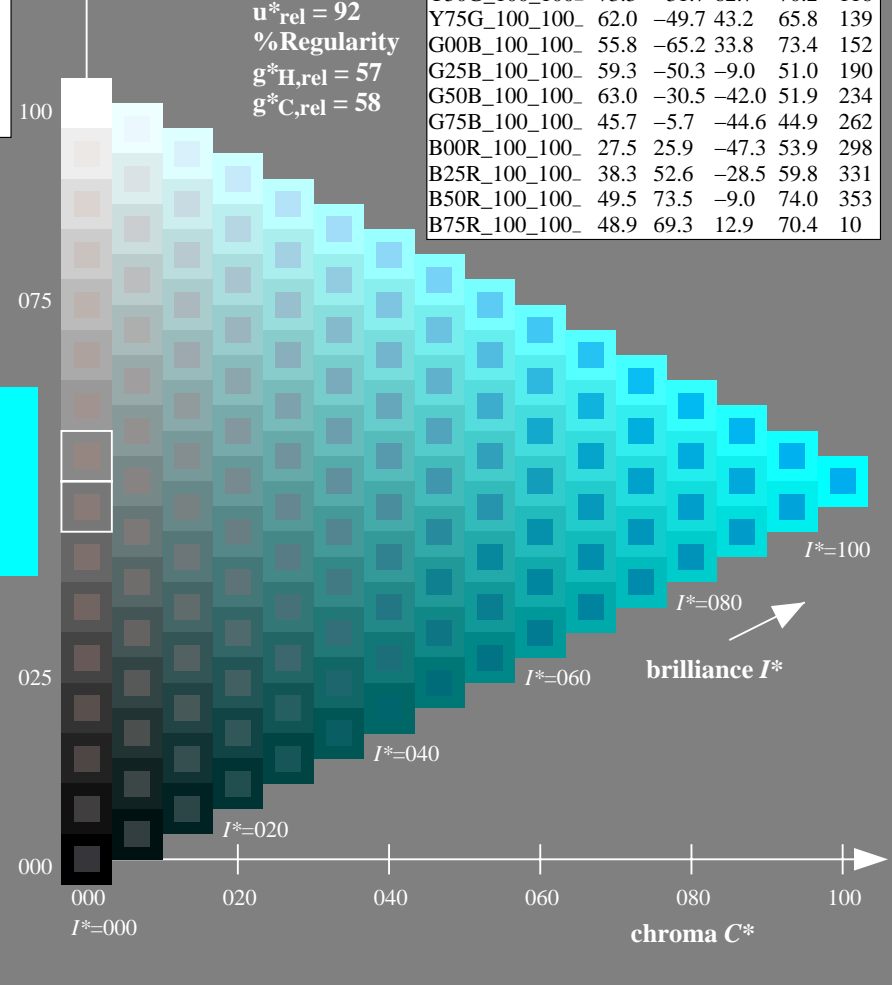
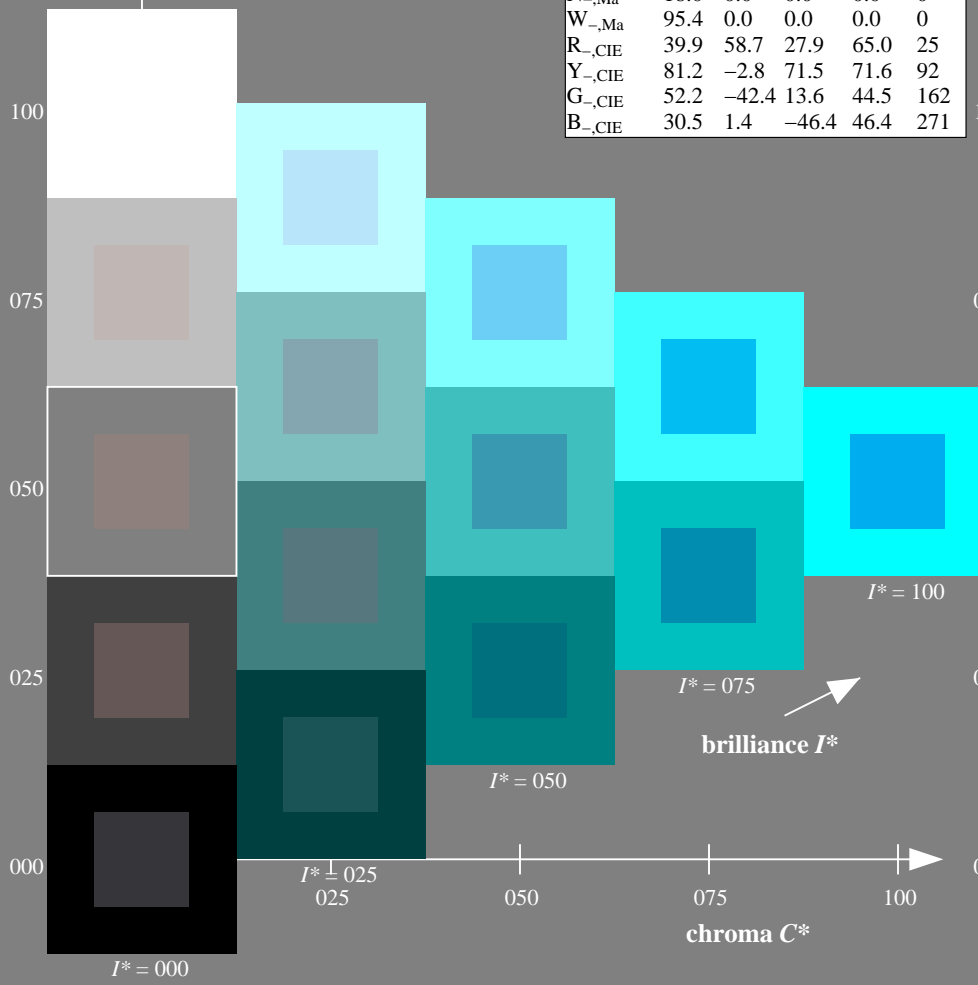
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

**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           |



see similar files: <http://130.149.60.45/~farbmetrik/QE92/QE92.HTM>  
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE92/QE92L0FA.TXT /PS  
 application for measurement of display output

TUB material: code=rh4ta

1-113030-L0 QE920-7N

TUB-test chart QE92; hue code:  $H^*_- = G50B_-$   
 Test chart according to DIN 33872, 3D=1, de=1, sRGB\*

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

Input and Output: Television Luminous System TLS00a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

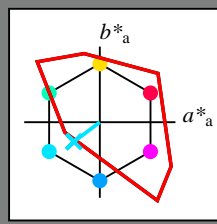
Data for any device (d) or elementary (e) colour:

$HIC^*_e$

hue text for the colours of this page:

$H^*_e = G50B_e$

triangle lightness  $T^*$



**TLS00a; adapted (a) CIELAB data**

| name   | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| Re,Ma  | 50.9        | 78.3    | 37.3    | 86.7         | 25           |
| Ye,Ma  | 83.7        | -3.4    | 84.5    | 84.5         | 92           |
| Ge,Ma  | 85.1        | -64.6   | 20.7    | 67.9         | 162          |
| Ce,Ma  | 79.0        | -34.2   | -25.7   | 42.8         | 216          |
| Be,Ma  | 59.2        | 1.7     | -56.6   | 56.6         | 271          |
| Me,Ma  | 57.1        | 94.1    | -57.4   | 110.3        | 328          |
| Ne,Ma  | 0.0         | 0.0     | 0.0     | 0.0          | 0            |
| We,Ma  | 95.4        | 0.0     | 0.0     | 0.0          | 0            |
| Re,CIE | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| Ye,CIE | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| Ge,CIE | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| Be,CIE | 30.5        | 1.4     | -46.4   | 46.4         | 271          |

Data for maximum colour (Ma):

$LabCh^*_e, Ma: 79 -34 -25 42 216$

$HIC^*_e, Ma: G50B\_100\_100_e$

$rgbic^*_e, Ma:$

0.0 0.89 1.0 1.0 1.0

triangle lightness  $T^*$

%Gamut

$u^*_{rel} = 158$

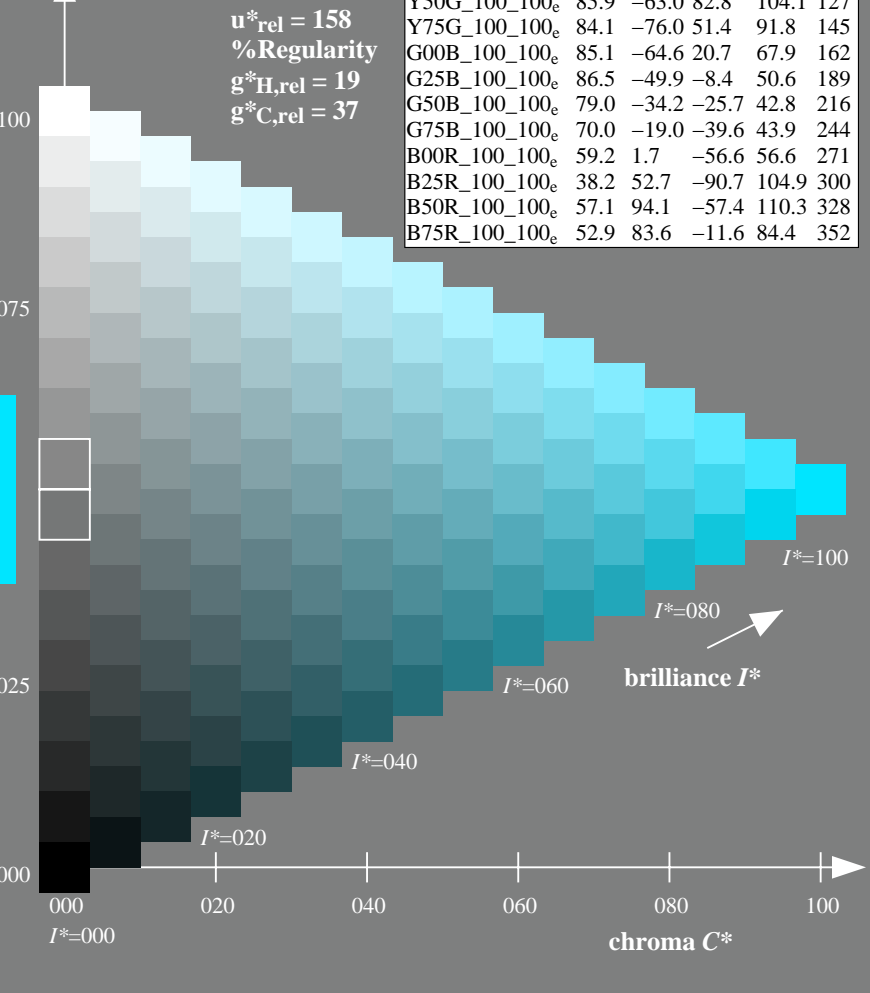
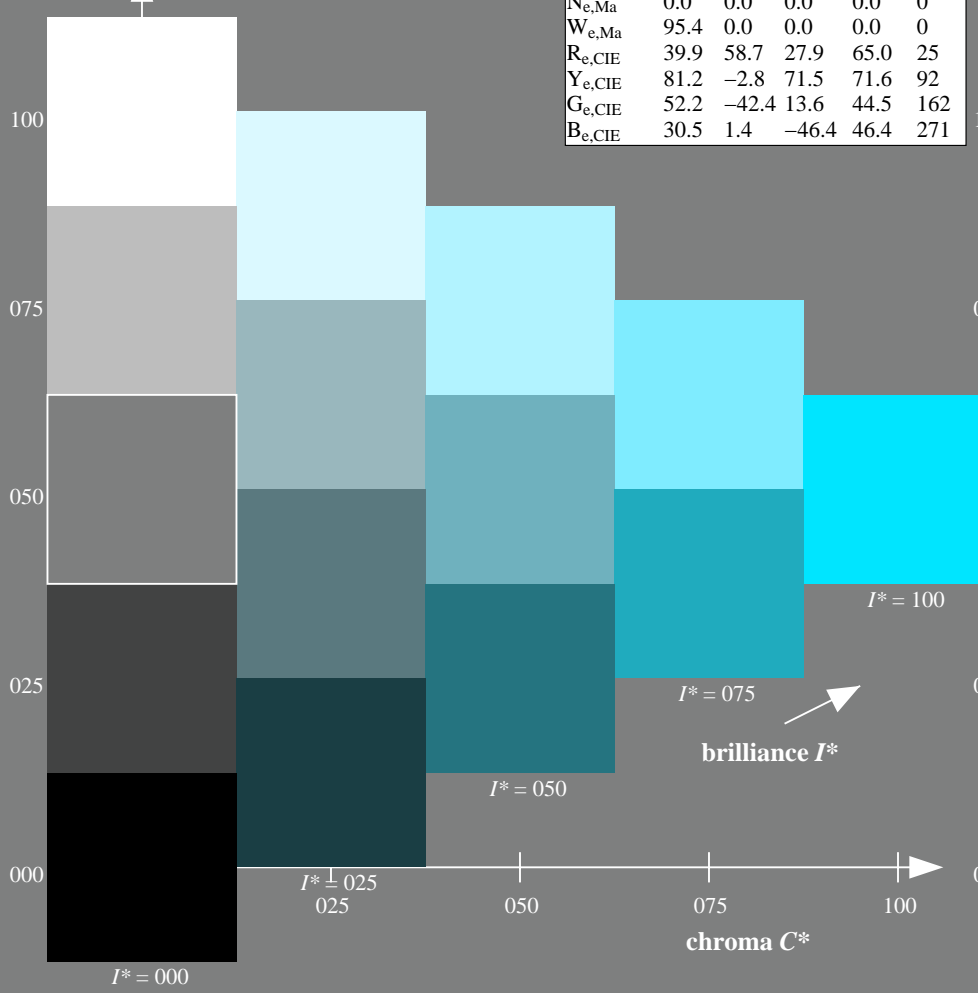
%Regularity

$g^*_{H,rel} = 19$

$g^*_{C,rel} = 37$

**TLS00a; adapted (a) CIELAB data**

| $H^*_e$        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------|---------|---------|--------------|--------------|
| R00Y_100_100_e | 50.9        | 78.3    | 37.3    | 86.7         | 25           |
| R25Y_100_100_e | 51.3        | 74.4    | 64.8    | 98.7         | 41           |
| R50Y_100_100_e | 63.1        | 42.7    | 70.8    | 82.7         | 58           |
| R75Y_100_100_e | 73.5        | 18.3    | 77.7    | 79.8         | 76           |
| Y00G_100_100_e | 83.7        | -3.4    | 84.5    | 84.5         | 92           |
| Y25G_100_100_e | 91.0        | -29.9   | 88.9    | 93.8         | 108          |
| Y50G_100_100_e | 85.9        | -63.0   | 82.8    | 104.1        | 127          |
| Y75G_100_100_e | 84.1        | -76.0   | 51.4    | 91.8         | 145          |
| G00B_100_100_e | 85.1        | -64.6   | 20.7    | 67.9         | 162          |
| G25B_100_100_e | 86.5        | -49.9   | -8.4    | 50.6         | 189          |
| G50B_100_100_e | 79.0        | -34.2   | -25.7   | 42.8         | 216          |
| G75B_100_100_e | 70.0        | -19.0   | -39.6   | 43.9         | 244          |
| B00R_100_100_e | 59.2        | 1.7     | -56.6   | 56.6         | 271          |
| B25R_100_100_e | 38.2        | 52.7    | -90.7   | 104.9        | 300          |
| B50R_100_100_e | 57.1        | 94.1    | -57.4   | 110.3        | 328          |
| B75R_100_100_e | 52.9        | 83.6    | -11.6   | 84.4         | 352          |



see similar files: <http://130.149.60.45/~farbmetrik/QE92/QE92L0FA.TXT> /PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE92/QE92L0FA.TXT /PS  
application for measurement of display output, no separation

TUB material: code=rh4ta

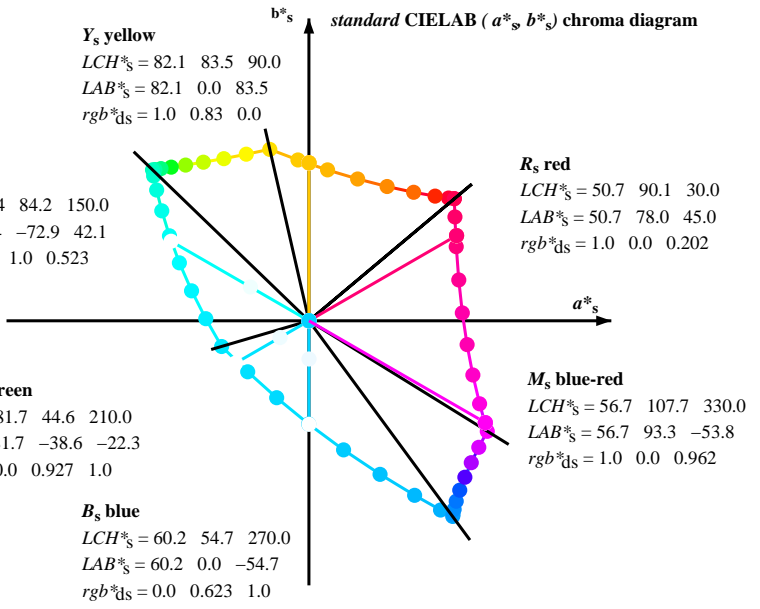
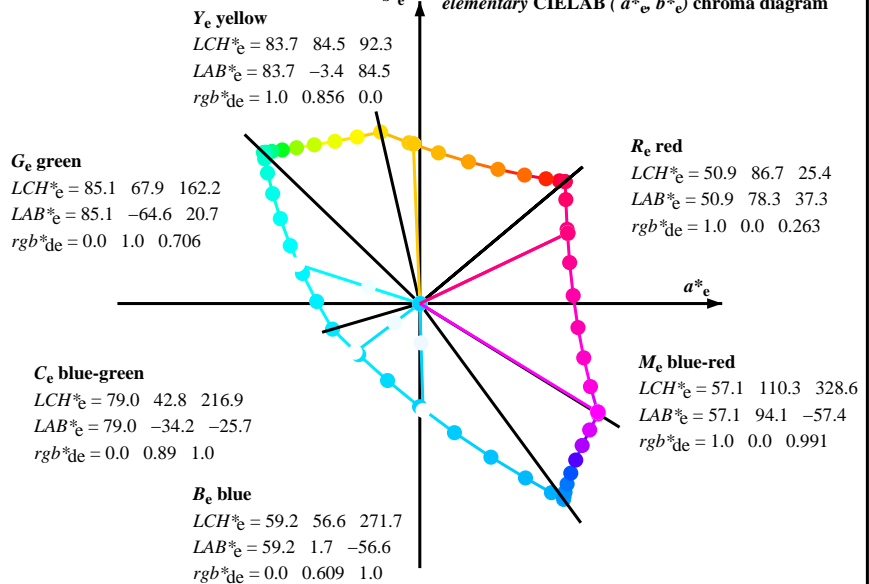
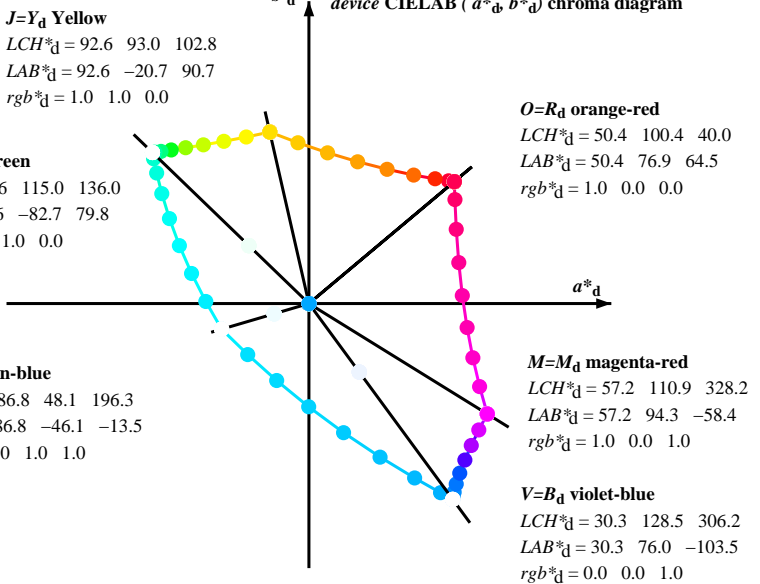
1-113130-L0 QE920-73

TUB-test chart QE92; hue code:  $H^*_e = G50B_e$   
Test chart according to DIN 33872, 3D=1, de=1, sRGB\*

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

1-113130-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/QE92/QE92.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE92/QE92L0FA.TXT /PS  
application for measurement of display output, no separation

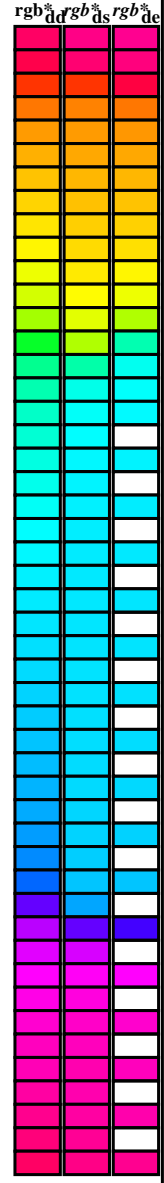
TUB material: code=rh4ta

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* <sub>dd</sub> | rgb* <sub>ds</sub> | rgb* <sub>de</sub> | LAB* <sub>ddx64M</sub> | LAB* <sub>dsx361M</sub> | LAB* <sub>dex361M</sub> | rgb* <sub>ddx361M</sub> | rgb* <sub>dsx361M</sub> | rgb* <sub>dex361M</sub> | LAB* <sub>ddx64M</sub> | LAB* <sub>dsx361M</sub> | LAB* <sub>dex361M</sub> | rgb* <sub>dd</sub> | rgb* <sub>ds</sub> | rgb* <sub>de</sub> |     |       |       |       |      |       |       |       |     |       |       |       |      |       |       |       |     |
|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|--------------------|--------------------|--------------------|-----|-------|-------|-------|------|-------|-------|-------|-----|-------|-------|-------|------|-------|-------|-------|-----|
| 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                    | 0.0                     | 50.5                    | 76.9               | 64.6               | 100.4              | 40  | 1.0   | 0.0   | 0.203 | 50.8 | 78.0  | 45.1  | 90.1  | 30  | 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                     | 0.117                  | 0.0                     | 51.5                    | 74.1               | 64.9               | 98.5               | 41  | 1.0   | 0.0   | 0.082 | 50.6 | 77.2  | 58.2  | 96.7  | 37  | 1.0   | 0.0   | 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                     | 0.25                   | 0.0                     | 54.1                    | 66.7               | 66.0               | 93.8               | 44  | 1.0   | 0.256 | 0.0   | 54.3 | 66.1  | 66.1  | 93.5  | 45  | 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                     | 0.367                  | 0.0                     | 57.9                    | 56.2               | 67.9               | 88.2               | 50  | 1.0   | 0.392 | 0.0   | 58.9 | 53.6  | 68.6  | 87.0  | 52  | 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                     | 0.5                    | 0.0                     | 63.7                    | 41.4               | 71.0               | 82.2               | 59  | 1.0   | 0.502 | 0.0   | 63.8 | 41.1  | 71.2  | 82.2  | 60  | 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                     | 0.617                  | 0.0                     | 69.7                    | 26.8               | 74.9               | 79.6               | 70  | 1.0   | 0.58  | 0.0   | 67.8 | 31.4  | 74.0  | 80.4  | 67  | 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                     | 0.75                   | 0.0                     | 77.2                    | 9.8                | 79.8               | 80.4               | 82  | 1.0   | 0.667 | 0.0   | 72.5 | 20.6  | 77.0  | 79.7  | 75  | 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                     | 0.867                  | 0.0                     | 84.3                    | -4.6               | 84.8               | 85.0               | 93  | 1.0   | 0.74  | 0.0   | 76.7 | 11.2  | 79.5  | 80.3  | 82  | 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                     | 1.0                    | 0.0                     | 92.7                    | -20.6              | 90.8               | 93.1               | 102 | 1.0   | 0.831 | 0.0   | 82.1 | 0.0   | 83.5  | 83.5  | 90  | 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                   | 0.883                   | 1.0                    | 0.0                     | 90.6                    | -32.2              | 88.4               | 94.1               | 110 | 1.0   | 0.918 | 0.0   | 87.5 | -10.6 | 87.3  | 88.0  | 97  | 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                   | 0.75                    | 1.0                    | 0.0                     | 88.5                    | -44.8              | 85.8               | 96.9               | 117 | 0.965 | 1.0   | 0.0   | 92.0 | -24.1 | 90.2  | 93.4  | 105 | 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                   | 0.633                   | 1.0                    | 0.0                     | 87.1                    | -55.0              | 84.1               | 100.5              | 123 | 0.85  | 1.0   | 0.0   | 90.1 | -35.4 | 87.8  | 94.7  | 112 | 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                   | 0.5                     | 1.0                    | 0.0                     | 85.7                    | -65.1              | 82.4               | 105.1              | 128 | 0.7   | 1.0   | 0.0   | 87.9 | -49.1 | 85.3  | 98.4  | 120 | 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                   | 0.383                   | 1.0                    | 0.0                     | 84.8                    | -72.2              | 81.4               | 108.9              | 131 | 0.536 | 1.0   | 0.0   | 86.1 | -62.4 | 83.0  | 103.9 | 127 | 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                   | 0.25                    | 1.0                    | 0.0                     | 84.1                    | -78.2              | 80.5               | 112.3              | 134 | 0.173 | 1.0   | 0.0   | 83.9 | -80.2 | 80.3  | 113.5 | 135 | 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                   | 0.133                   | 1.0                    | 0.0                     | 83.8                    | -81.2              | 80.1               | 114.1              | 135 | 0.0   | 1.0   | 0.335 | 83.9 | -78.7 | 61.6  | 100.0 | 142 | 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                    | 0.0                     | 83.6                    | -82.7              | 79.9               | 115.0              | 136 | 0.0   | 1.0   | 0.523 | 84.4 | -79.2 | 42.1  | 84.3  | 150 | 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                    | 0.117                   | 83.7                    | -82.1              | 76.8               | 112.5              | 136 | 0.0   | 1.0   | 0.639 | 84.9 | -67.8 | 28.8  | 73.8  | 157 | 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                    | 0.25                    | 83.8                    | -80.5              | 69.1               | 106.2              | 139 | 0.0   | 1.0   | 0.742 | 85.3 | -62.5 | 16.8  | 64.8  | 165 | 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                    | 0.367                   | 84.0                    | -77.9              | 58.9               | 97.7               | 142 | 0.0   | 1.0   | 0.81  | 85.7 | -58.8 | 8.3   | 59.5  | 172 | 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                    | 0.5                     | 84.3                    | -73.7              | 45.0               | 86.4               | 148 | 0.0   | 1.0   | 0.883 | 86.1 | -54.1 | 0.0   | 54.2  | 180 | 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                    | 0.617                   | 84.8                    | -68.8              | 31.5               | 75.8               | 155 | 0.0   | 1.0   | 0.933 | 86.4 | -51.1 | -6.2  | 51.6  | 187 | 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                     | 1.0                    | 0.75                    | 85.4                    | -62.0              | 15.9               | 64.1               | 165 | 0.0   | 1.0   | 0.99  | 86.8 | -46.9 | -12.5 | 48.6  | 195 | 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                     | 1.0                    | 0.867                   | 86.0                    | -55.1              | 2.0                | 55.2               | 177 | 0.0   | 0.97  | 1.0   | 84.7 | -43.2 | -17.4 | 46.7  | 202 | 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                     | 1.0                    | 1.0                     | 86.9                    | -46.1              | -13.5              | 48.1               | 196 | 0.0   | 0.927 | 1.0   | 81.7 | -38.6 | -22.2 | 44.7  | 210 | 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                     | 0.883                  | 1.0                     | 78.6                    | -33.3              | -26.3              | 42.6               | 218 | 0.0   | 0.89  | 1.0   | 79.1 | -34.1 | -25.7 | 42.9  | 217 | 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                     | 0.75                   | 1.0                     | 69.1                    | -17.0              | -40.6              | 44.2               | 247 | 0.0   | 0.851 | 1.0   | 76.3 | -30.0 | -30.0 | 42.5  | 225 | 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                     | 0.633                  | 1.0                     | 60.9                    | -1.5               | -53.8              | 53.9               | 268 | 0.0   | 0.82  | 1.0   | 74.1 | -26.4 | -33.8 | 43.1  | 232 | 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                     | 0.5                    | 1.0                     | 51.8                    | 18.3               | -68.2              | 70.7               | 285 | 0.0   | 0.783 | 1.0   | 71.5 | -21.7 | -37.7 | 43.6  | 240 | 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                     | 0.383                  | 1.0                     | 44.4                    | 36.2               | -80.4              | 88.3               | 294 | 0.0   | 0.751 | 1.0   | 69.2 | -17.2 | -40.6 | 44.2  | 247 | 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                     | 0.25                   | 1.0                     | 37.2                    | 55.9               | -92.2              | 107.9              | 301 | 0.0   | 0.707 | 1.0   | 66.1 | -12.3 | -46.0 | 47.8  | 255 | 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                     | 0.133                  | 1.0                     | 32.8                    | 68.6               | -99.5              | 121.0              | 304 | 0.0   | 0.668 | 1.0   | 63.4 | -7.0  | -50.4 | 51.0  | 262 | 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                     | 0.0                    | 1.0                     | 30.4                    | 76.1               | -103.5             | 128.5              | 306 | 0.0   | 0.624 | 1.0   | 60.2 | 0.0   | -54.7 | 54.8  | 270 | 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                   | 0.117                   | 0.0                    | 1.0                     | 31.0                    | 76.3               | -102.5             | 127.8              | 306 | 0.0   | 0.566 | 1.0   | 56.3 | 7.6   | -61.7 | 62.2  | 277 | 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                    | -99.7                   | 125.9                   | 307.5                   | 0.25                    | 0.0                    | 1.0                     | 32.6                    | 76.8               | -99.7              | 126.0              | 307 | 0.0   | 0.5   | 1.0   | 51.8 | 18.3  | -68.2 | 70.7  | 285 | 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                   | 0.367                   | 0.0                    | 1.0                     | 35.0                    | 77.9               | -95.7              | 123.5              | 309 | 0.0   | 0.412 | 1.0   | 46.2 | 31.5  | -77.8 | 84.1  | 292 | 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                   | 0.5                     | 0.0                    | 1.0                     | 38.6                    | 79.9               | -89.6              | 120.1              | 311 | 0.0   | 0.274 | 1.0   | 38.4 | 52.2  | -90.4 | 104.5 | 300 | 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                     |                         |                         |                         |                        |                         |                         |                    |                    |                    |     |       |       |       |      |       |       |       |     |       |       |       |      |       |       |       |     |

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*<br>dd64M | LAB*<br>ddx64M (x=LabCh)     | rgb*<br>dex361M    | LAB*<br>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 73.5 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 65.5 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 61.8 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 53.3 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 44.1 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 36.1 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 0.263 50.9 78.3 37.3 86.7 385 |



see similar files: http://130.149.60.45/~farbmetrik/QE92/QE92.HTM  
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TUB registration: 20130201-QE92/QE92L0FA.TXT /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 <sup>*</sup> <sub>dd361M</sub> | LAB <sup>*</sup> <sub>ddx361Mi (x=LabCh)</sub> | R <sub>d</sub> | rgb <sup>*</sup> <sub>ds361Mi</sub>  | LAB <sup>*</sup> <sub>dsx361Mi (x=LabCh)</sub> | R <sub>s</sub> | rgb <sup>*</sup> <sub>dd361Mi</sub>   | LAB <sup>*</sup> <sub>de361Mi</sub> | R <sub>e</sub> | rgb <sup>*</sup> <sub>dd361Mi</sub> | rgb <sup>*</sup> <sub>dd</sub> | rgb <sup>*</sup> <sub>ds</sub> | rgb <sup>*</sup> <sub>de</sub> |
|-------------------|-------------------|-------------------|------------------------------------|--|----------------|--------------------------------------|--|----------------|---------------------------------------|-------------------------------------|----------------|-------------------------------------|--------------------------------|--------------------------------|--------------------------------|
| 40                | 30                | 25                | 1.0 0.0 0.0                        | 50.4 76.9 64.5 100.4 40                        | 1.0            | 1.0 0.0 0.203 50.8 78.0 45.1 90.1 30 | 1.0  | 1.0 0.0 0.0    | 1.0 0.0 0.263 50.9 78.3 37.3 86.7 25  | 1.0                                 | 1.0 0.0 0.0    |                                     |                                |                                |                                |
| 40                | 31                | 26                | 1.0 0.016 0.0                      | 50.6 76.5 64.6 100.1 40                        | 1.0            | 1.0 0.0 0.189 50.7 78.0 46.9 91.0 31 | 1.0  | 1.0 0.017 0.0  | 1.0 0.0 0.251 50.9 78.0 39.0 87.2 26  | 1.0                                 | 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            | 1.0 0.0 0.174 50.7 77.9 48.7 91.8 32 | 1.0  | 1.0 0.033 0.0  | 1.0 0.0 0.236 50.8 78.0 41.0 88.1 27  | 1.0                                 | 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            | 1.0 0.0 0.16 50.7 77.7 50.5 92.7 33  | 1.0  | 1.0 0.05 0.0   | 1.0 0.0 0.22 50.8 78.1 43.0 89.1 28   | 1.0                                 | 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            | 1.0 0.0 0.146 50.6 77.6 52.3 93.6 34 | 1.0  | 1.0 0.067 0.0  | 1.0 0.0 0.204 50.8 78.0 44.9 90.1 29  | 1.0                                 | 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            | 1.0 0.0 0.131 50.6 77.3 54.2 94.4 35 | 1.0  | 1.0 0.083 0.0  | 1.0 0.0 0.188 50.7 78.0 46.9 91.0 31  | 1.0                                 | 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            | 1.0 0.0 0.11 50.6 77.3 56.1 95.5 36  | 1.0  | 1.0 0.1 0.0    | 1.0 0.0 0.172 50.7 77.9 49.0 92.0 32  | 1.0                                 | 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            | 1.0 0.0 0.082 50.6 77.2 58.2 96.7 37 | 1.0  | 1.0 0.117 0.0  | 1.0 0.0 0.156 50.7 77.7 51.0 92.9 33  | 1.0                                 | 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            | 1.0 0.0 0.055 50.5 77.2 60.3 98.0 38 | 1.0  | 1.0 0.133 0.0  | 1.0 0.0 0.14 50.6 77.5 53.0 93.9 34   | 1.0                                 | 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            | 1.0 0.0 0.028 50.5 77.1 62.4 99.2 39 | 1.0  | 1.0 0.15 0.0   | 1.0 0.0 0.123 50.6 77.2 55.1 94.9 35  | 1.0                                 | 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            | 1.0 0.0 0.0 50.5 76.9 64.6 100.4 40  | 1.0  | 1.0 0.167 0.0  | 1.0 0.0 0.093 50.6 77.3 57.4 96.3 36  | 1.0                                 | 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            | 1.0 0.095 0.0 51.3 74.6 64.9 98.9 41 | 1.0  | 1.0 0.183 0.0  | 1.0 0.0 0.062 50.5 77.2 59.7 97.6 37  | 1.0                                 | 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            | 1.0 0.151 0.0 52.1 72.4 65.2 97.5 42 | 1.0  | 1.0 0.2 0.0    | 1.0 0.0 0.032 50.5 77.1 62.1 99.0 38  | 1.0                                 | 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            | 1.0 0.188 0.0 52.8 70.3 65.5 96.1 43 | 1.0  | 1.0 0.217 0.0  | 1.0 0.0 0.001 50.5 76.9 64.5 100.4 39 | 1.0                                 | 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            | 1.0 0.225 0.0 53.6 68.2 65.8 94.8 44 | 1.0  | 1.0 0.233 0.0  | 1.0 0.102 0.0 51.4 74.4 64.9 98.8 41  | 1.0                                 | 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            | 1.0 0.256 0.0 54.3 66.1 66.1 93.5 45 | 1.0  | 1.0 0.25 0.0   | 1.0 0.157 0.0 52.2 72.0 65.3 97.2 42  | 1.0                                 | 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            | 1.0 0.277 0.0 55.0 64.3 66.6 92.5 46 | 1.0  | 1.0 0.267 0.0  | 1.0 0.199 0.0 53.0 69.6 65.6 95.7 43  | 1.0                                 | 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            | 1.0 0.297 0.0 55.6 62.4 66.9 91.5 47 | 1.0  | 1.0 0.283 0.0  | 1.0 0.24 0.0 53.9 67.3 65.9 94.2 44   | 1.0                                 | 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            | 1.0 0.318 0.0 56.3 60.6 67.3 90.5 48 | 1.0  | 1.0 0.3 0.0    | 1.0 0.267 0.0 54.7 65.1 66.4 93.0 45  | 1.0                                 | 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            | 1.0 0.338 0.0 57.0 58.7 67.6 89.5 49 | 1.0  | 1.0 0.317 0.0  | 1.0 0.29 0.0 55.4 63.1 66.8 91.9 46   | 1.0                                 | 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            | 1.0 0.359 0.0 57.7 56.9 67.8 88.5 50 | 1.0  | 1.0 0.333 0.0  | 1.0 0.313 0.0 56.2 61.0 67.2 90.8 47  | 1.0                                 | 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            | 1.0 0.378 0.0 58.3 55.1 68.1 87.6 51 | 1.0  | 1.0 0.35 0.0   | 1.0 0.336 0.0 56.9 59.0 67.5 89.7 48  | 1.0                                 | 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            | 1.0 0.392 0.0 58.9 53.6 68.6 87.0 52 | 1.0  | 1.0 0.367 0.0  | 1.0 0.358 0.0 57.7 56.9 67.8 88.6 49  | 1.0                                 | 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            | 1.0 0.406 0.0 59.6 52.0 69.0 86.4 53 | 1.0  | 1.0 0.383 0.0  | 1.0 0.379 0.0 58.4 55.0 68.1 87.6 51  | 1.0                                 | 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            | 1.0 0.42 0.0 60.2 50.4 69.4 85.8 54  | 1.0  | 1.0 0.4 0.0    | 1.0 0.395 0.0 59.1 53.2 68.7 86.9 52  | 1.0                                 | 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            | 1.0 0.433 0.0 60.8 48.8 69.8 85.2 55 | 1.0  | 1.0 0.417 0.0  | 1.0 0.41 0.0 59.7 51.5 69.1 86.2 53   | 1.0                                 | 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            | 1.0 0.447 0.0 61.4 47.3 70.1 84.5 56 | 1.0  | 1.0 0.433 0.0  | 1.0 0.426 0.0 60.4 49.7 69.6 85.5 54  | 1.0                                 | 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            | 1.0 0.461 0.0 62.0 45.7 70.4 83.9 57 | 1.0  | 1.0 0.45 0.0   | 1.0 0.441 0.0 61.1 48.0 69.9 84.8 55  | 1.0                                 | 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            | 1.0 0.475 0.0 62.6 44.1 70.7 83.3 58 | 1.0  | 1.0 0.467 0.0  | 1.0 0.457 0.0 61.8 46.2 70.3 84.1 56  | 1.0                                 | 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            | 1.0 0.489 0.0 63.2 42.6 70.9 82.7 59 | 1.0  | 1.0 0.483 0.0  | 1.0 0.472 0.0 62.5 44.5 70.6 83.4 57  | 1.0                                 | 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            | 1.0 0.502 0.0 63.8 41.1 71.2 82.2 60 | 1.0  | 1.0 0.5 0.0    | 1.0 0.488 0.0 63.1 42.8 70.9 82.8 58  | 1.0                                 | 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            | 1.0 0.513 0.0 64.4 39.7 71.6 81.9 61 | 1.0  | 1.0 0.517 0.0  | 1.0 0.502 0.0 63.8 41.1 71.2 82.2 60  | 1.0                                 | 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            | 1.0 0.525 0.0 64.9 38.3 72.1 81.7 62 | 1.0  | 1.0 0.533 0.0  | 1.0 0.515 0.0 64.4 39.5 71.7 81.9 61  | 1.0                                 | 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            | 1.0 0.536 0.0 65.5 37.0 72.5 81.4 63 | 1.0  | 1.0 0.55 0.0   | 1.0 0.527 0.0 65.1 38.0 72.2 81.6 62  | 1.0                                 | 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            | 1.0 0.547 0.0 66.1 35.6 72.9 81.1 64 | 1.0  | 1.0 0.567 0.0  | 1.0 0.54 0.0 65.7 36.5 72.7 81.3 63   | 1.0                                 | 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            | 1.0 0.558 0.0 66.7 34.2 73.3 80.9 65 | 1.0  | 1.0 0.583 0.0  | 1.0 0.552 0.0 66.4 34.9 73.1 81.0 64  | 1.0                                 | 1.0 0.583 0.0  |                                     |                                |                                |                                |
| 68                | 66                | 65                | 1.0 0.6 0.0                        | 68.8 28.9 74.5 79.9 68                         | 1.0            | 1.0 0.569 0.0 67.2 32.8 73.7 80.6 66 | 1.0  | 1.0 0.6 0.0    | 1.0 0.564 0.0 67.0 33.4 73.5 80.7 65  | 1.0                                 | 1.0 0.6 0.0    |                                     |                                |                                |                                |
| 70                | 67                | 66                | 1.0 0.616 0.0                      | 69.6 26.8 74.8 79.5 70                         | 1.0            | 1.0 0.58 0.0 67.8 31.4 74.0 80.4 67  | 1.0  | 1.0 0.617 0.0  | 1.0 0.577 0.0 67.6 31.8 73.9 80.5 66  | 1.0                                 | 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            | 1.0 0.591 0.0 68.4 30.0 74.3 80.1 68 | 1.0  | 1.0 0.633 0.0  | 1.0 0.589 0.0 68.3 30.3 74.2 80.2 67  | 1.0                                 | 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            | 1.0 0.602 0.0 69.0 28.6 74.6 79.9 69 | 1.0  | 1.0 0.65 0.0   | 1.0 0.602 0.0 68.9 28.7 74.5 79.9 68  | 1.0                                 | 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            | 1.0 0.614 0.0 69.5 27.2 74.8 79.6 70 | 1.0  | 1.0 0.667 0.0  | 1.0 0.614 0.0 69.5 27.2 74.8 79.6 70  | 1.0                                 | 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            | 1.0 0.625 0.0 70.1 25.8 75.0 79.4 71 | 1.0  | 1.0 0.683 0.0  | 1.0 0.626 0.0 70.2 25.6 75.1 79.4 71  | 1.0                                 | 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            | 1.0 0.635 0.0 70.7 24.5 75.6 79.4 72 | 1.0  | 1.0 0.7 0.0    | 1.0 0.638 0.0 70.9 24.2 75.7 79.5 72  | 1.0                                 | 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            | 1.0 0.646 0.0 71.3 23.3 76.1 79.5 73 | 1.0  | 1.0 0.717 0.0  | 1.0 0.65 0.0 71.5 22.8 76.2 79.6 73   | 1.0                                 | 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            | 1.0 0.656 0.0 71.9 21.9 76.5 79.6 74 | 1.0  | 1.0 0.733 0.0  | 1.0 0.661 0.0 72.2 21.3 76.8 79.7 74  | 1.0                                 | 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            | 1.0 0.667 0.0 72.5 20.6 77.0 79.7 75 | 1.0  | 1.0 0.75 0.0   | 1.0 0.673 0.0 72.8 19.8 77.3 79.8 75  | 1.0                                 | 1.0 0.75 0.0   |                                     |                                |                                |                                |

1-113530-L0 QE920-73 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 6/29

TUB-test chart QE92; hue code: H<sub>e</sub>=G50B<sub>e</sub>  
48 step hue circles; rgb-LabCh\*tables

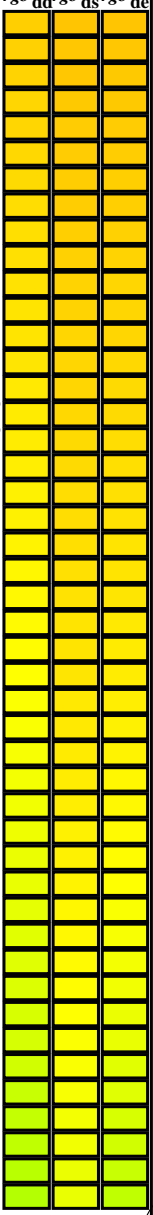
input: rgb/cmyk -> rgb<sub>de</sub>  
output: 3D-linearization to rgb<sup>\*</sup><sub>de</sub>

see similar files: http://130.149.60.45/~farbmetrik/QE92/QE92.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE92/QE92L0FA.TXT /.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

| h <sub>ab,d</sub> | h <sub>ab,s</sub> | h <sub>ab,e</sub> | rgb <sup>*</sup> <sub>ds361M</sub> | LAB <sup>*</sup> <sub>ds361Mi</sub> (x=LabCh) | rgb <sup>*</sup> <sub>ds361Mi</sub> | LAB <sup>*</sup> <sub>ds361Mi</sub> (x=LabCh) | rgb <sup>*</sup> <sub>de361Mi</sub> | LAB <sup>*</sup> <sub>de361Mi</sub> (x=LabCh) | rgb <sup>*</sup> <sub>de361Mi</sub> | LAB <sup>*</sup> <sub>de361Mi</sub> (x=LabCh) | rgb <sup>*</sup> <sub>de361Mi</sub> | LAB <sup>*</sup> <sub>de361Mi</sub> (x=LabCh) |
|-------------------|-------------------|-------------------|------------------------------------|---|-------------------------------------|---|-------------------------------------|---|-------------------------------------|---|-------------------------------------|---|
| 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                                  | 1.0 0.673 0.0                       | 72.8 19.8 77.3 79.8 75                        |
| 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                                 | 1.0 0.685 0.0                       | 73.5 18.3 77.7 79.9 76                        |
| 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                                 | 1.0 0.696 0.0                       | 74.2 16.9 78.2 80.0 77                        |
| 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                                   | 1.0 0.708 0.0                       | 74.8 15.3 78.6 80.1 78                        |
| 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                                 | 1.0 0.72 0.0                        | 75.5 13.8 78.9 80.1 80                        |
| 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                                 | 1.0 0.731 0.0                       | 76.2 12.3 79.3 80.2 81                        |
| 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                                  | 1.0 0.743 0.0                       | 76.8 10.8 79.6 80.3 82                        |
| 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                                 | 1.0 0.755 0.0                       | 77.5 9.3 80.1 80.6 83                         |
| 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                                 | 1.0 0.768 0.0                       | 78.3 7.8 80.7 81.1 84                         |
| 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                                   | 1.0 0.78 0.0                        | 79.1 6.2 81.4 81.6 85                         |
| 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                                 | 1.0 0.793 0.0                       | 79.9 4.7 82.0 82.1 86                         |
| 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                                 | 1.0 0.806 0.0                       | 80.6 3.1 82.5 82.6 87                         |
| 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                                  | 1.0 0.819 0.0                       | 81.4 1.5 83.1 83.1 88                         |
| 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                                 | 1.0 0.831 0.0                       | 82.2 0.0 83.6 83.6 90                         |
| 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                                 | 1.0 0.844 0.0                       | 83.0 -1.7 84.1 84.1 91                        |
| 102               | 90                | 92                | 1.0 1.0 0.0                        | 92.6 -20.7 90.7 93.0 102                      | Y <sub>d</sub> 1.0 0.831 0.0        | 82.1 0.0 83.5 83.5 90                         | Y <sub>s</sub> 1.0 1.0 0.0          | 1.0 0.857 0.0                                 | 83.7 -3.3 84.5 84.6 92              | Y <sub>e</sub> 1.0 1.0 0.0                    | 1.0 0.857 0.0                       | 83.7 -3.3 84.5 84.6 92                        |
| 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                                 | 1.0 0.87 0.0                        | 84.5 -5.1 84.9 85.1 93                        |
| 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                                 | 1.0 0.886 0.0                       | 85.5 -6.9 85.7 85.9 94                        |
| 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                                  | 1.0 0.902 0.0                       | 86.5 -8.7 86.5 87.0 95                        |
| 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                                 | 1.0 0.918 0.0                       | 87.5 -10.6 87.3 88.0 96                       |
| 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                                 | 1.0 0.934 0.0                       | 88.5 -12.5 88.1 89.0 98                       |
| 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                                   | 1.0 0.951 0.0                       | 89.6 -14.4 88.8 90.0 99                       |
| 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                                 | 1.0 0.967 0.0                       | 90.6 -16.4 89.5 91.0 100                      |
| 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                                 | 1.0 0.983 0.0                       | 91.6 -18.5 90.1 92.0 101                      |
| 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                                  | 1.0 0.999 0.0                       | 92.6 -20.5 90.7 93.0 102                      |
| 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                                 | 0.982 1.0 0.0                       | 92.3 -22.4 90.5 93.2 103                      |
| 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                                 | 0.963 1.0 0.0                       | 92.0 -24.3 90.2 93.4 105                      |
| 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                                   | 0.944 1.0 0.0                       | 91.7 -26.1 89.8 93.6 106                      |
| 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                                 | 0.926 1.0 0.0                       | 91.3 -28.0 89.4 93.7 107                      |
| 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                                 | 0.907 1.0 0.0                       | 91.0 -29.9 89.0 93.9 108                      |
| 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                                  | 0.888 1.0 0.0                       | 90.7 -31.7 88.5 94.0 109                      |
| 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                                 | 0.868 1.0 0.0                       | 90.3 -33.6 88.0 94.3 110                      |
| 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                                 | 0.848 1.0 0.0                       | 90.0 -35.6 87.8 94.7 112                      |
| 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                                   | 0.827 1.0 0.0                       | 89.7 -37.5 87.4 95.2 113                      |
| 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                                 | 0.806 1.0 0.0                       | 89.4 -39.5 87.1 95.7 114                      |
| 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                                 | 0.786 1.0 0.0                       | 89.1 -41.5 86.7 96.1 115                      |
| 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                                  | 0.765 1.0 0.0                       | 88.8 -43.4 86.2 96.6 116                      |
| 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                                 | 0.743 1.0 0.0                       | 88.5 -45.4 85.8 97.1 117                      |
| 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                                 | 0.719 1.0 0.0                       | 88.2 -47.5 85.5 97.9 119                      |
| 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                                   | 0.695 1.0 0.0                       | 87.8 -49.6 85.2 98.6 120                      |
| 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                                 | 0.67 1.0 0.0                        | 87.5 -51.7 84.8 99.4 121                      |
| 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                                 | 0.646 1.0 0.0                       | 87.2 -53.9 84.4 100.1 122                     |
| 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                                  | 0.621 1.0 0.0                       | 86.9 -56.0 83.9 100.9 123                     |
| 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                                 | 0.59 1.0 0.0                        | 86.6 -58.3 83.6 102.0 124                     |
| 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                                 | 0.56 1.0 0.0                        | 86.3 -60.6 83.3 103.1 126                     |
| 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                     |



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TUB registration: 20130201-QE92/QE92L0FA.TXT /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 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

| h <sub>ab,d</sub> | h <sub>ab,s</sub> | h <sub>ab,e</sub> | rgb*<br>dd361M | LAB*<br>ddx361Mi (x=LabCh) | rgb*<br>ds361Mi | LAB*<br>dsx361Mi (x=LabCh) | rgb*<br>dd361Mi | LAB*<br>de361Mi | LAB*<br>dex361Mi (x=LabCh) | rgb*<br>dd361Mi | rgb*<br>dd361Mi | rgb*<br>dd361Mi | rgb*<br>dd361Mi |       |       |       |       |      |       |                |       |       |     |       |      |       |      |       |      |       |     |                |     |     |     |
|-------------------|-------------------|-------------------|----------------|----------------------------|-----------------|----------------------------|-----------------|-----------------|----------------------------|-----------------|-----------------|-----------------|-----------------|-------|-------|-------|-------|------|-------|----------------|-------|-------|-----|-------|------|-------|------|-------|------|-------|-----|----------------|-----|-----|-----|
| 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            |     |     |     |
| 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            |     |     |     |
| 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            |     |     |     |
| 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            |     |     |     |
| 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            |     |     |     |
| 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  | 0.417 | 1.0            | 0.0   | 0.309 | 1.0 | 0.0   | 84.0 | -75.6 | 80.9 | 110.8 | 133  | 0.417 | 1.0 | 0.0            |     |     |     |
| 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            |     |     |     |
| 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            |     |     |     |
| 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  | 0.367 | 1.0            | 0.0   | 0.0   | 1.0 | 0.073 | 83.7 | -82.3 | 78.0 | 113.5 | 136  | 0.367 | 1.0 | 0.0            |     |     |     |
| 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 | 0.165 | 83.7 | -81.6 | 74.2 | 110.4 | 137  | 0.35  | 1.0 | 0.0            |     |     |     |
| 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 | 0.227 | 83.8 | -80.8 | 70.5 | 107.3 | 138  | 0.333 | 1.0 | 0.0            |     |     |     |
| 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  | 0.317 | 1.0            | 0.0   | 0.0   | 1.0 | 0.273 | 83.8 | -80.0 | 67.0 | 104.5 | 140  | 0.317 | 1.0 | 0.0            |     |     |     |
| 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 | 0.311 | 83.9 | -79.3 | 63.7 | 101.8 | 141  | 0.3   | 1.0 | 0.0            |     |     |     |
| 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 | 0.349 | 84.0 | -78.4 | 60.4 | 99.0  | 142  | 0.283 | 1.0 | 0.0            |     |     |     |
| 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  | 0.267 | 1.0            | 0.0   | 0.0   | 1.0 | 0.383 | 84.0 | -77.5 | 57.3 | 96.4  | 143  | 0.267 | 1.0 | 0.0            |     |     |     |
| 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 | 0.41  | 84.1 | -76.8 | 54.3 | 94.1  | 144  | 0.25  | 1.0 | 0.0            |     |     |     |
| 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 | 0.437 | 84.2 | -75.9 | 51.5 | 91.8  | 145  | 0.233 | 1.0 | 0.0            |     |     |     |
| 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  | 0.217 | 1.0            | 0.0   | 0.0   | 1.0 | 0.464 | 84.2 | -75.0 | 48.7 | 89.5  | 147  | 0.217 | 1.0 | 0.0            |     |     |     |
| 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 | 0.491 | 84.3 | -74.1 | 45.9 | 87.2  | 148  | 0.2   | 1.0 | 0.0            |     |     |     |
| 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 | 0.513 | 84.4 | -73.3 | 43.4 | 85.2  | 149  | 0.183 | 1.0 | 0.0            |     |     |     |
| 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  | 0.167 | 1.0            | 0.0   | 0.0   | 1.0 | 0.533 | 84.5 | -72.5 | 41.0 | 83.4  | 150  | 0.167 | 1.0 | 0.0            |     |     |     |
| 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 | 0.553 | 84.5 | -71.7 | 38.6 | 81.6  | 151  | 0.15  | 1.0 | 0.0            |     |     |     |
| 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 | 0.573 | 84.6 | -70.9 | 36.3 | 79.8  | 152  | 0.133 | 1.0 | 0.0            |     |     |     |
| 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  | 0.117 | 1.0            | 0.0   | 0.0   | 1.0 | 0.593 | 84.7 | -70.0 | 34.1 | 77.9  | 154  | 0.117 | 1.0 | 0.0            |     |     |     |
| 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 | 0.614 | 84.7 | -69.0 | 31.9 | 76.1  | 155  | 0.1   | 1.0 | 0.0            |     |     |     |
| 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 | 0.631 | 84.8 | -68.2 | 29.8 | 74.5  | 156  | 0.083 | 1.0 | 0.0            |     |     |     |
| 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  | 0.067 | 1.0            | 0.0   | 0.0   | 1.0 | 0.646 | 84.9 | -67.5 | 27.9 | 73.2  | 157  | 0.067 | 1.0 | 0.0            |     |     |     |
| 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  | 0.05  | 1.0            | 0.0   | 0.0   | 1.0 | 0.661 | 85.0 | -66.9 | 26.1 | 71.9  | 158  | 0.05  | 1.0 | 0.0            |     |     |     |
| 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 | 0.676 | 85.0 | -66.2 | 24.3 | 70.6  | 159  | 0.033 | 1.0 | 0.0            |     |     |     |
| 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  | 0.017 | 1.0            | 0.0   | 0.0   | 1.0 | 0.691 | 85.1 | -65.4 | 22.5 | 69.2  | 161  | 0.017 | 1.0 | 0.0            |     |     |     |
| 136               | 150               | 162               | 0.0            | 1.0                        | 0.0             | 83.6                       | -82.7           | 79.8            | 115.0                      | 136             | G <sub>d</sub>  | 0.0             | 1.0             | 0.523 | 84.4  | -72.9 | 42.1  | 84.3 | 150   | G <sub>s</sub> | 0.0   | 1.0   | 0.0 | 0.0   | 1.0  | 0.706 | 85.2 | -64.6 | 20.7 | 67.9  | 162 | G <sub>e</sub> | 0.0 | 1.0 | 0.0 |
| 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 | 0.718 | 85.2 | -63.9 | 19.4 | 66.9  | 163  | 0.0   | 1.0 | 0.017          |     |     |     |
| 136               | 152               | 164               | 0.0            | 1.0                        | 0.033           | 83.6                       | -82.6           | 79.0            | 114.3                      | 136             | 0.0             | 1.0             | 0.558           | 84.5  | -71.6 | 38.1  | 81.2  | 152  | 0.0   | 1.0            | 0.033 | 0.0   | 1.0 | 0.73  | 85.3 | -63.2 | 18.1 | 65.9  | 164  | 0.0   | 1.0 | 0.033          |     |     |     |
| 136               | 153               | 164               | 0.0            | 1.0                        | 0.05            | 83.6                       | -82.5           | 78.5            | 113.9                      | 136             | 0.0             | 1.0             | 0.575           | 84.6  | -70.8 | 36.1  | 79.6  | 153  | 0.0   | 1.0            | 0.05  | 0.0   | 1.0 | 0.741 | 85.3 | -62.5 | 16.8 | 64.8  | 164  | 0.0   | 1.0 | 0.05           |     |     |     |
| 136               | 154               | 165               | 0.0            | 1.0                        | 0.066           | 83.6                       | -82.4           | 78.1            | 113.5                      | 136             | 0.0             | 1.0             | 0.592           | 84.7  | -70.0 | 34.2  | 78.0  | 154  | 0.0   | 1.0            | 0.067 | 0.0   | 1.0 | 0.752 | 85.4 | -61.9 | 15.6 | 63.9  | 165  | 0.0   | 1.0 | 0.067          |     |     |     |
| 136               | 155               | 166               | 0.0            | 1.0                        | 0.083           | 83.6                       | -82.3           | 77.6            | 113.2                      | 136             | 0.0             | 1.0             | 0.61            | 84.7  | -69.2 | 32.3  | 76.5  | 155  | 0.0   | 1.0            | 0.083 | 0.0   | 1.0 | 0.761 | 85.4 | -61.5 | 14.5 | 63.2  | 166  | 0.0   | 1.0 | 0.083          |     |     |     |
| 136               | 156               | 167               | 0.0            | 1.0                        | 0.1             | 83.6                       | -82.2           | 77.2            | 112.8                      | 136             | 0.0             | 1.0             | 0.629           | 84.8  | -68.4 | 30.5  | 74.9  | 156  | 0.0   | 1.0            | 0.1   | 0.0   | 1.0 | 0.77  | 85.5 | -61.1 | 13.3 | 62.6  | 167  | 0.0   | 1.0 | 0.1            |     |     |     |
| 136               | 157               | 168               | 0.0            | 1.0                        | 0.116           | 83.6                       | -82.1           | 76.8            | 112.5                      | 136             | 0.0             | 1.0             | 0.639           | 84.9  | -67.8 | 28.8  | 73.8  | 157  | 0.0   | 1.0            | 0.117 | 0.0   | 1.0 | 0.778 | 85.5 | -60.6 | 12.2 | 61.9  | 168  | 0.0   | 1.0 | 0.117          |     |     |     |
| 137               | 158               | 169               | 0.0            | 1.0                        | 0.133           | 83.6                       | -82.0           | 76.0            | 111.9                      | 137             | 0.0             | 1.0             | 0.652           | 84.9  | -67.3 | 27.2  | 72.7  | 158  | 0.0   | 1.0            | 0.133 | 0.0   | 1.0 | 0.787 | 85.6 | -60.2 | 11.1 | 61.3  | 169  | 0.0   | 1.0 | 0.133          |     |     |     |
| 137               | 159               | 170               | 0.0            | 1.0                        | 0.15            | 83.7                       | -81.8           | 75.0            | 111.0                      | 137             | 0.0             | 1.0             | 0.665           | 85.0  | -66.7 | 25.6  | 71.6  | 159  | 0.0   | 1.0            | 0.15  | 0.0   | 1.0 | 0.795 | 85.6 | -59.7 | 10.1 | 60.6  | 170  | 0.0   | 1.0 | 0.15           |     |     |     |
| 137               |                   |                   |                |                            |                 |                            |                 |                 |                            |                 |                 |                 |                 |       |       |       |       |      |       |                |       |       |     |       |      |       |      |       |      |       |     |                |     |     |     |



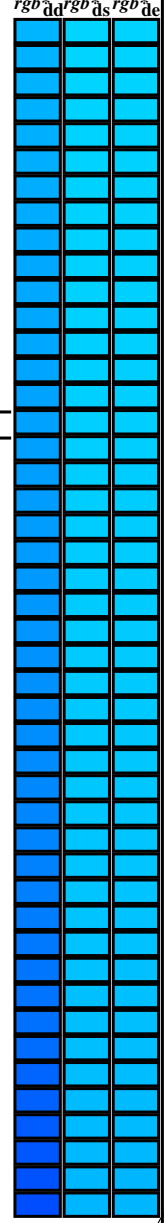


Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>s</sub>; h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;  
Six hue angles of the device colours RYGBCM<sub>d</sub>; h<sub>ab,d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

| h <sub>ab,d</sub> | h <sub>ab,s</sub> | h <sub>ab,e</sub> | rgb*<br>dd361M | LAB*<br>ddx361Mi (x=LabCh) | C <sub>d</sub> | rgb*<br>ds361Mi | LAB*<br>dsx361Mi (x=LabCh) | C <sub>s</sub> | rgb*<br>dd361Mi | LAB*<br>dex361Mi (x=LabCh) | C <sub>e</sub> | rgb*<br>dd361Mi | rgb*<br>ds       | rgb*<br>ds | rgb*<br>ds |       |     |     |       |     |      |                  |     |     |       |     |
|-------------------|-------------------|-------------------|----------------|----------------------------|----------------|-----------------|----------------------------|----------------|-----------------|----------------------------|----------------|-----------------|------------------|------------|------------|-------|-----|-----|-------|-----|------|------------------|-----|-----|-------|-----|
| 196               | 210               | 216               | 0.0            | 1.0                        | 1.0            | 86.8            | -46.1 -13.5 48.1           | 196            | 0.0             | 0.922                      | 1.0            | 81.3            | -38.0 -22.8 44.4 | 211        | 0.0        | 0.983 | 1.0 | 0.0 | 0.885 | 1.0 | 78.7 | -33.6 -26.1 42.7 | 217 | 0.0 | 0.983 | 1.0 |
| 199               | 211               | 217               | 0.0            | 0.983                      | 1.0            | 85.6            | -44.6 -15.8 47.3           | 199            | 0.0             | 0.917                      | 1.0            | 81.0            | -37.3 -23.3 44.2 | 212        | 0.0        | 0.967 | 1.0 | 0.0 | 0.881 | 1.0 | 78.4 | -33.0 -26.5 42.4 | 218 | 0.0 | 0.967 | 1.0 |
| 202               | 212               | 218               | 0.0            | 0.966                      | 1.0            | 84.5            | -42.9 -17.9 46.5           | 202            | 0.0             | 0.911                      | 1.0            | 80.6            | -36.7 -23.8 43.9 | 213        | 0.0        | 0.95  | 1.0 | 0.0 | 0.876 | 1.0 | 78.0 | -32.3 -26.9 42.2 | 219 | 0.0 | 0.95  | 1.0 |
| 205               | 213               | 219               | 0.0            | 0.95                       | 1.0            | 83.3            | -41.1 -19.8 45.7           | 205            | 0.0             | 0.906                      | 1.0            | 80.2            | -36.1 -24.3 43.6 | 214        | 0.0        | 0.933 | 1.0 | 0.0 | 0.871 | 1.0 | 77.7 | -31.9 -27.4 42.2 | 220 | 0.0 | 0.933 | 1.0 |
| 208               | 214               | 220               | 0.0            | 0.933                      | 1.0            | 82.1            | -39.3 -21.7 44.9           | 208            | 0.0             | 0.901                      | 1.0            | 79.8            | -35.4 -24.8 43.4 | 215        | 0.0        | 0.917 | 1.0 | 0.0 | 0.867 | 1.0 | 77.4 | -31.5 -27.9 42.3 | 221 | 0.0 | 0.917 | 1.0 |
| 212               | 215               | 221               | 0.0            | 0.916                      | 1.0            | 80.9            | -37.4 -23.4 44.1           | 212            | 0.0             | 0.895                      | 1.0            | 79.5            | -34.8 -25.3 43.1 | 216        | 0.0        | 0.9   | 1.0 | 0.0 | 0.863 | 1.0 | 77.2 | -31.1 -28.5 42.3 | 222 | 0.0 | 0.9   | 1.0 |
| 215               | 216               | 222               | 0.0            | 0.9                        | 1.0            | 79.7            | -35.4 -24.9 43.3           | 215            | 0.0             | 0.89                       | 1.0            | 79.1            | -34.1 -25.7 42.9 | 217        | 0.0        | 0.883 | 1.0 | 0.0 | 0.859 | 1.0 | 76.9 | -30.7 -29.0 42.4 | 223 | 0.0 | 0.883 | 1.0 |
| 218               | 217               | 223               | 0.0            | 0.883                      | 1.0            | 78.5            | -33.4 -26.3 42.5           | 218            | 0.0             | 0.885                      | 1.0            | 78.7            | -33.5 -26.1 42.6 | 218        | 0.0        | 0.867 | 1.0 | 0.0 | 0.855 | 1.0 | 76.6 | -30.3 -29.6 42.5 | 224 | 0.0 | 0.867 | 1.0 |
| 221               | 218               | 224               | 0.0            | 0.866                      | 1.0            | 77.4            | -31.5 -28.1 42.2           | 221            | 0.0             | 0.879                      | 1.0            | 78.3            | -32.8 -26.6 42.4 | 219        | 0.0        | 0.85  | 1.0 | 0.0 | 0.851 | 1.0 | 76.3 | -29.9 -30.1 42.6 | 225 | 0.0 | 0.85  | 1.0 |
| 225               | 219               | 225               | 0.0            | 0.85                       | 1.0            | 76.2            | -29.9 -30.2 42.5           | 225            | 0.0             | 0.874                      | 1.0            | 77.9            | -32.2 -27.0 42.2 | 220        | 0.0        | 0.833 | 1.0 | 0.0 | 0.846 | 1.0 | 76.0 | -29.4 -30.6 42.6 | 226 | 0.0 | 0.833 | 1.0 |
| 228               | 220               | 226               | 0.0            | 0.833                      | 1.0            | 75.0            | -28.1 -32.3 42.8           | 228            | 0.0             | 0.87                       | 1.0            | 77.6            | -31.8 -27.6 42.2 | 221        | 0.0        | 0.817 | 1.0 | 0.0 | 0.842 | 1.0 | 75.7 | -29.0 -31.1 42.7 | 227 | 0.0 | 0.817 | 1.0 |
| 232               | 221               | 227               | 0.0            | 0.816                      | 1.0            | 73.8            | -26.1 -34.2 43.1           | 232            | 0.0             | 0.865                      | 1.0            | 77.3            | -31.3 -28.2 42.3 | 222        | 0.0        | 0.8   | 1.0 | 0.0 | 0.838 | 1.0 | 75.4 | -28.5 -31.6 42.8 | 227 | 0.0 | 0.8   | 1.0 |
| 236               | 222               | 227               | 0.0            | 0.8                        | 1.0            | 72.6            | -24.0 -36.0 43.3           | 236            | 0.0             | 0.861                      | 1.0            | 77.0            | -30.9 -28.8 42.4 | 223        | 0.0        | 0.783 | 1.0 | 0.0 | 0.834 | 1.0 | 75.1 | -28.1 -32.1 42.8 | 228 | 0.0 | 0.783 | 1.0 |
| 239               | 223               | 228               | 0.0            | 0.783                      | 1.0            | 71.4            | -21.8 -37.7 43.6           | 239            | 0.0             | 0.856                      | 1.0            | 76.7            | -30.4 -29.4 42.5 | 224        | 0.0        | 0.767 | 1.0 | 0.0 | 0.83  | 1.0 | 74.8 | -27.6 -32.6 42.9 | 229 | 0.0 | 0.767 | 1.0 |
| 243               | 224               | 229               | 0.0            | 0.766                      | 1.0            | 70.2            | -19.5 -39.3 43.9           | 243            | 0.0             | 0.851                      | 1.0            | 76.3            | -30.0 -30.0 42.5 | 225        | 0.0        | 0.75  | 1.0 | 0.0 | 0.826 | 1.0 | 74.5 | -27.1 -33.1 43.0 | 230 | 0.0 | 0.75  | 1.0 |
| 247               | 225               | 230               | 0.0            | 0.75                       | 1.0            | 69.1            | -17.0 -40.7 44.1           | 247            | 0.0             | 0.847                      | 1.0            | 76.0            | -29.5 -30.6 42.6 | 226        | 0.0        | 0.733 | 1.0 | 0.0 | 0.821 | 1.0 | 74.2 | -26.6 -33.6 43.0 | 231 | 0.0 | 0.733 | 1.0 |
| 250               | 226               | 231               | 0.0            | 0.733                      | 1.0            | 67.9            | -15.3 -42.9 45.5           | 250            | 0.0             | 0.842                      | 1.0            | 75.7            | -29.0 -31.1 42.7 | 227        | 0.0        | 0.717 | 1.0 | 0.0 | 0.817 | 1.0 | 73.9 | -26.1 -34.1 43.1 | 232 | 0.0 | 0.717 | 1.0 |
| 253               | 227               | 232               | 0.0            | 0.716                      | 1.0            | 66.7            | -13.5 -44.9 46.9           | 253            | 0.0             | 0.838                      | 1.0            | 75.4            | -28.5 -31.7 42.8 | 228        | 0.0        | 0.7   | 1.0 | 0.0 | 0.813 | 1.0 | 73.6 | -25.6 -34.6 43.2 | 233 | 0.0 | 0.7   | 1.0 |
| 256               | 228               | 233               | 0.0            | 0.7                        | 1.0            | 65.5            | -11.4 -46.9 48.3           | 256            | 0.0             | 0.833                      | 1.0            | 75.0            | -28.0 -32.2 42.8 | 229        | 0.0        | 0.683 | 1.0 | 0.0 | 0.809 | 1.0 | 73.3 | -25.1 -35.0 43.2 | 234 | 0.0 | 0.683 | 1.0 |
| 259               | 229               | 234               | 0.0            | 0.683                      | 1.0            | 64.4            | -9.2 -48.8 49.7            | 259            | 0.0             | 0.829                      | 1.0            | 74.7            | -27.5 -32.8 42.9 | 230        | 0.0        | 0.667 | 1.0 | 0.0 | 0.805 | 1.0 | 73.0 | -24.6 -35.5 43.3 | 235 | 0.0 | 0.667 | 1.0 |
| 262               | 230               | 235               | 0.0            | 0.666                      | 1.0            | 63.2            | -6.8 -50.6 51.1            | 262            | 0.0             | 0.824                      | 1.0            | 74.4            | -26.9 -33.3 43.0 | 231        | 0.0        | 0.65  | 1.0 | 0.0 | 0.801 | 1.0 | 72.7 | -24.1 -35.9 43.4 | 236 | 0.0 | 0.65  | 1.0 |
| 265               | 231               | 236               | 0.0            | 0.65                       | 1.0            | 62.0            | -4.2 -52.3 52.5            | 265            | 0.0             | 0.82                       | 1.0            | 74.1            | -26.4 -33.8 43.1 | 232        | 0.0        | 0.633 | 1.0 | 0.0 | 0.797 | 1.0 | 72.4 | -23.5 -36.3 43.4 | 237 | 0.0 | 0.633 | 1.0 |
| 268               | 232               | 237               | 0.0            | 0.633                      | 1.0            | 60.9            | -1.5 -53.9 53.9            | 268            | 0.0             | 0.815                      | 1.0            | 73.7            | -25.9 -34.3 43.1 | 233        | 0.0        | 0.617 | 1.0 | 0.0 | 0.792 | 1.0 | 72.1 | -23.0 -36.8 43.5 | 237 | 0.0 | 0.617 | 1.0 |
| 270               | 233               | 237               | 0.0            | 0.616                      | 1.0            | 59.7            | 0.8 -55.6 55.7             | 270            | 0.0             | 0.81                       | 1.0            | 73.4            | -25.3 -34.9 43.2 | 234        | 0.0        | 0.6   | 1.0 | 0.0 | 0.788 | 1.0 | 71.8 | -22.4 -37.2 43.6 | 238 | 0.0 | 0.6   | 1.0 |
| 272               | 234               | 238               | 0.0            | 0.6                        | 1.0            | 58.6            | 2.9 -57.7 57.8             | 272            | 0.0             | 0.806                      | 1.0            | 73.1            | -24.7 -35.4 43.3 | 235        | 0.0        | 0.583 | 1.0 | 0.0 | 0.784 | 1.0 | 71.5 | -21.8 -37.6 43.6 | 239 | 0.0 | 0.583 | 1.0 |
| 274               | 235               | 239               | 0.0            | 0.583                      | 1.0            | 57.4            | 5.1 -59.7 59.9             | 274            | 0.0             | 0.801                      | 1.0            | 72.8            | -24.1 -35.8 43.4 | 236        | 0.0        | 0.567 | 1.0 | 0.0 | 0.78  | 1.0 | 71.2 | -21.3 -38.0 43.7 | 240 | 0.0 | 0.567 | 1.0 |
| 276               | 236               | 240               | 0.0            | 0.566                      | 1.0            | 56.3            | 7.4 -61.6 62.1             | 276            | 0.0             | 0.797                      | 1.0            | 72.4            | -23.6 -36.3 43.4 | 237        | 0.0        | 0.55  | 1.0 | 0.0 | 0.776 | 1.0 | 70.9 | -20.7 -38.4 43.8 | 241 | 0.0 | 0.55  | 1.0 |
| 278               | 237               | 241               | 0.0            | 0.55                       | 1.0            | 55.2            | 10.0 -63.5 64.2            | 278            | 0.0             | 0.792                      | 1.0            | 72.1            | -23.0 -36.8 43.5 | 238        | 0.0        | 0.533 | 1.0 | 0.0 | 0.772 | 1.0 | 70.6 | -20.1 -38.8 43.8 | 242 | 0.0 | 0.533 | 1.0 |
| 280               | 238               | 242               | 0.0            | 0.533                      | 1.0            | 54.0            | 12.6 -65.2 66.4            | 280            | 0.0             | 0.788                      | 1.0            | 71.8            | -22.3 -37.2 43.6 | 239        | 0.0        | 0.517 | 1.0 | 0.0 | 0.767 | 1.0 | 70.3 | -19.5 -39.2 43.9 | 243 | 0.0 | 0.517 | 1.0 |
| 283               | 239               | 243               | 0.0            | 0.516                      | 1.0            | 52.9            | 15.4 -66.8 68.5            | 283            | 0.0             | 0.783                      | 1.0            | 71.5            | -21.7 -37.7 43.6 | 240        | 0.0        | 0.5   | 1.0 | 0.0 | 0.763 | 1.0 | 70.1 | -18.9 -39.5 44.0 | 244 | 0.0 | 0.5   | 1.0 |
| 285               | 240               | 244               | 0.0            | 0.5                        | 1.0            | 51.7            | 18.3 -68.3 70.7            | 285            | 0.0             | 0.779                      | 1.0            | 71.1            | -21.1 -38.1 43.7 | 241        | 0.0        | 0.483 | 1.0 | 0.0 | 0.759 | 1.0 | 69.8 | -18.3 -39.9 44.0 | 245 | 0.0 | 0.483 | 1.0 |
| 286               | 241               | 245               | 0.0            | 0.483                      | 1.0            | 50.7            | 20.6 -70.2 73.2            | 286            | 0.0             | 0.774                      | 1.0            | 70.8            | -20.5 -38.6 43.8 | 242        | 0.0        | 0.467 | 1.0 | 0.0 | 0.755 | 1.0 | 69.5 | -17.7 -40.2 44.1 | 246 | 0.0 | 0.467 | 1.0 |
| 287               | 242               | 246               | 0.0            | 0.466                      | 1.0            | 49.6            | 22.9 -72.1 75.7            | 287            | 0.0             | 0.769                      | 1.0            | 70.5            | -19.8 -39.0 43.9 | 243        | 0.0        | 0.45  | 1.0 | 0.0 | 0.751 | 1.0 | 69.2 | -17.1 -40.6 44.2 | 247 | 0.0 | 0.45  | 1.0 |
| 288               | 243               | 247               | 0.0            | 0.45                       | 1.0            | 48.6            | 25.4 -74.0 78.2            | 288            | 0.0             | 0.765                      | 1.0            | 70.2            | -19.2 -39.4 43.9 | 244        | 0.0        | 0.433 | 1.0 | 0.0 | 0.746 | 1.0 | 68.8 | -16.6 -41.2 44.5 | 248 | 0.0 | 0.433 | 1.0 |
| 290               | 244               | 248               | 0.0            | 0.433                      | 1.0            | 47.5            | 28.0 -75.7 80.7            | 290            | 0.0             | 0.76                       | 1.0            | 69.8            | -18.5 -39.8 44.0 | 245        | 0.0        | 0.417 | 1.0 | 0.0 | 0.741 | 1.0 | 68.5 | -16.1 -41.8 45.0 | 248 | 0.0 | 0.417 | 1.0 |
| 291               | 245               | 248               | 0.0            | 0.416                      | 1.0            | 46.5            | 30.6 -77.4 83.2            | 291            | 0.0             | 0.756                      | 1.0            | 69.5            | -17.8 -40.2 44.1 | 246        | 0.0        | 0.4   | 1.0 | 0.0 | 0.736 | 1.0 | 68.1 | -15.5 -42.5 45.4 | 249 | 0.0 | 0.4   | 1.0 |
| 292               | 246               | 249               | 0.0            | 0.4                        | 1.0            | 45.4            | 33.3 -79.0 85.7            | 292            | 0.0             | 0.751                      | 1.0            | 69.2            | -17.2 -40.6 44.2 | 247        | 0.0        | 0.383 | 1.0 | 0.0 | 0.731 | 1.0 | 67.8 | -15.0 -43.1 45.8 | 250 | 0.0 | 0.383 | 1.0 |
| 294               | 247               | 250               | 0.0            | 0.383                      | 1.0            | 44.3            | 36.2 -80.5 88.2            | 294            | 0.0             | 0.746                      | 1.0            | 68.8            | -16.6 -41.2 44.5 | 248        | 0.0        | 0.367 | 1.0 | 0.0 | 0.726 | 1.0 | 67.4 | -14.4 -43.8 46.2 | 251 | 0.0 | 0.367 | 1.0 |
| 295               | 248               | 251               | 0.0            | 0.366                      | 1.0            | 43.4            | 38.7 -82.0 90.7            | 295            | 0.0             | 0.74                       | 1.0            | 68.4            | -16.0 -41.9 45.0 | 249        | 0.0        | 0.35  | 1.0 | 0.0 | 0.721 | 1.0 | 67.0 | -13.9 -44.4 46.6 | 252 | 0.0 | 0.35  | 1.0 |
| 296               | 249               | 252               | 0.0            | 0.35                       | 1.0            | 42.5            | 41.0 -83.6 93.2            | 296            | 0.0             | 0.735                      | 1.0            | 68.0            | -15.4 -42.6 45.5 | 250        | 0.0        | 0.333 | 1.0 | 0.0 | 0.716 | 1.0 | 66.7 | -13.3 -45.0 47.1 | 253 | 0.0 | 0.333 | 1.0 |
| 296               | 250               | 253               | 0.0            | 0.333                      | 1.0            | 41.6            | 43.4 -85.2 95.6            | 296            | 0.0             | 0.729                      | 1.0            | 67.7            | -14.8 -43.3 45.9 | 251        | 0.0        | 0.317 | 1.0 | 0.0 | 0.71  | 1.0 | 66.3 | -12.7 -45.6 47.5 | 254 | 0.0 | 0.317 | 1.0 |
| 297               | 251               | 254               | 0.0            | 0.316                      | 1.0            | 40.7            | 45.8 -86.7 98.1            | 297            | 0.0             | 0.724                      | 1.0            | 67.3            | -14.2 -44.0 46.4 | 252        | 0.0        | 0.3   | 1.0 | 0.0 | 0.705 | 1.0 | 66.0 | -12.0 -46.2 47.9 | 255 | 0.0 | 0.3   | 1.0 |
| 298               | 252               | 255               | 0.0            | 0.3                        | 1.0            | 39.8            | 48.2 -88.2 100.5           | 298            | 0.0             | 0.718                      | 1.0            | 66.9            | -13.6 -44.7 46.8 | 253        | 0.0        | 0.283 | 1.0 | 0.0 | 0.7   | 1.0 | 65.6 | -11.4 -46.8 48.3 | 256 | 0.0 | 0.283 | 1.0 |
| 299               | 253               | 256               | 0.0            | 0.283                      | 1.0            | 38.9            | 50.7 -89.6 103.0           | 299            | 0.0             | 0.713                      | 1.0            | 66.5            | -12.9 -45.4 47.3 | 254        | 0.0        | 0.267 | 1.0 | 0.0 | 0.695 | 1.0 | 65.3 | -10.8 -47.4 48.8 | 257 | 0.0 | 0.267 | 1.0 |
| 300               | 2                 |                   |                |                            |                |                 |                            |                |                 |                            |                |                 |                  |            |            |       |     |     |       |     |      |                  |     |     |       |     |

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

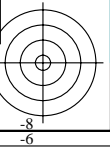
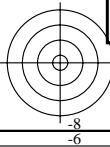
| h <sub>ab,d</sub> | h <sub>ab,s</sub> | h <sub>ab,e</sub> | rgb <sup>*</sup> <sub>dd361M</sub> | LAB <sup>*</sup> <sub>ddx361Mi (x=LabCh)</sub> | rgb <sup>*</sup> <sub>ds361Mi</sub> | LAB <sup>*</sup> <sub>dsx361Mi (x=LabCh)</sub> | rgb <sup>*</sup> <sub>de361Mi</sub> | LAB <sup>*</sup> <sub>dex361Mi (x=LabCh)</sub> | rgb <sup>*</sup> <sub>dd361Mi</sub> | rgb <sup>*</sup> <sub>ds361Mi</sub> | rgb <sup>*</sup> <sub>de361Mi</sub> |
|-------------------|-------------------|-------------------|------------------------------------|--|-------------------------------------|--|-------------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 301               | 255               | 258               | 0.0 0.25 1.0                       | 37.1 55.9 -92.3 107.9 301                      | 0.0 0.707 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 0.702 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 0.696 1.0                       | 65.3 -10.9 -47.3 48.7 257                      | 0.0 0.217 1.0                       | 0.0 0.68 1.0                                   | 64.2 -8.7 -49.1 50.0 259            | 0.0 0.217 1.0                       |                                     |
| 302               | 258               | 260               | 0.0 0.2 1.0                        | 35.2 61.2 -95.5 113.5 302                      | 0.0 0.691 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 0.685 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 0.679 1.0                       | 64.2 -8.6 -49.2 50.1 260                       | 0.0 0.167 1.0                       | 0.0 0.665 1.0                                  | 63.1 -6.5 -50.8 51.3 262            | 0.0 0.167 1.0                       |                                     |
| 304               | 261               | 263               | 0.0 0.15 1.0                       | 33.4 66.7 -98.6 119.1 304                      | 0.0 0.674 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 0.668 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 0.663 1.0                       | 63.0 -6.2 -51.0 51.5 263                       | 0.0 0.117 1.0                       | 0.0 0.65 1.0                                   | 62.1 -4.2 -52.3 52.5 265            | 0.0 0.117 1.0                       |                                     |
| 305               | 264               | 266               | 0.0 0.1 1.0                        | 32.0 70.8 -100.8 123.2 305                     | 0.0 0.657 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 0.652 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 0.646 1.0                       | 61.8 -3.6 -52.6 52.8 266                       | 0.0 0.067 1.0                       | 0.0 0.635 1.0                                  | 61.0 -1.7 -53.7 53.8 268            | 0.0 0.067 1.0                       |                                     |
| 305               | 267               | 269               | 0.0 0.049 1.0                      | 31.2 73.4 -102.2 125.8 305                     | 0.0 0.641 1.0                       | 61.4 -2.7 -53.1 53.3 267                       | 0.0 0.05 1.0                        | 0.0 0.63 1.0                                   | 60.6 -0.8 -54.1 54.2 269            | 0.0 0.05 1.0                        |                                     |
| 305               | 268               | 269               | 0.0 0.033 1.0                      | 30.9 74.3 -102.6 126.7 305                     | 0.0 0.635 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 0.63 1.0                        | 60.6 -0.8 -54.1 54.2 269                       | 0.0 0.017 1.0                       | 0.0 0.617 1.0                                  | 59.8 0.8 -55.6 55.7 270             | 0.0 0.017 1.0                       |                                     |
| 306               | 270               | 271               | 0.0 0.0 1.0                        | 30.3 76.0 -103.5 128.5 306                     | <b>B<sub>d</sub></b> 0.0 0.624 1.0  | 60.2 0.0 -54.7 54.8 270                        | <b>B<sub>s</sub></b> 0.0 0.0 1.0    | 0.0 0.609 1.0                                  | 59.3 1.7 -56.5 56.6 271             | <b>B<sub>e</sub></b> 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 0.615 1.0                       | 59.7 1.0 -55.7 55.9 271                        | 0.0 0.017 0.0 1.0                   | 0.0 0.602 1.0                                  | 58.7 2.7 -57.5 57.6 272             | 0.0 0.017 0.0 1.0                   |                                     |
| 306               | 272               | 273               | 0.033 0.0 1.0                      | 30.5 76.1 -103.3 128.3 306                     | 0.0 0.607 1.0                       | 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 0.599 1.0                       | 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 0.591 1.0                       | 58.0 4.1 -58.8 59.0 274                        | 0.067 0.0 1.0                       | 0.0 0.578 1.0                                  | 57.1 5.8 -60.3 60.7 275             | 0.067 0.0 1.0                       |                                     |
| 306               | 275               | 276               | 0.083 0.0 1.0                      | 30.8 76.2 -102.8 128.0 306                     | 0.0 0.583 1.0                       | 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 0.574 1.0                       | 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 0.566 1.0                       | 56.3 7.6 -61.7 62.2 277                        | 0.117 0.0 1.0                       | 0.0 0.555 1.0                                  | 55.5 9.3 -62.9 63.7 278             | 0.117 0.0 1.0                       |                                     |
| 306               | 278               | 279               | 0.133 0.0 1.0                      | 31.1 76.3 -102.3 127.6 306                     | 0.0 0.558 1.0                       | 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 0.55 1.0                        | 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 0.541 1.0                       | 54.6 11.4 -64.3 65.4 280                       | 0.167 0.0 1.0                       | 0.0 0.531 1.0                                  | 53.9 13.0 -65.3 66.7 281            | 0.167 0.0 1.0                       |                                     |
| 307               | 281               | 282               | 0.183 0.0 1.0                      | 31.7 76.5 -101.2 126.9 307                     | 0.0 0.533 1.0                       | 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 0.525 1.0                       | 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 0.517 1.0                       | 52.9 15.4 -66.7 68.6 283                       | 0.217 0.0 1.0                       | 0.0 0.508 1.0                                  | 52.3 16.9 -67.5 69.7 284            | 0.217 0.0 1.0                       |                                     |
| 307               | 284               | 285               | 0.233 0.0 1.0                      | 32.3 76.7 -100.1 126.2 307                     | 0.0 0.508 1.0                       | 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 0.5 1.0                         | 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 0.488 1.0                       | 51.0 20.0 -69.7 72.6 286                       | 0.267 0.0 1.0                       | 0.0 0.476 1.0                                  | 50.3 21.6 -71.0 74.3 286            | 0.267 0.0 1.0                       |                                     |
| 308               | 287               | 287               | 0.283 0.0 1.0                      | 33.2 77.1 -98.6 125.2 308                      | 0.0 0.475 1.0                       | 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 0.462 1.0                       | 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 0.45 1.0                        | 48.6 25.5 -74.0 78.3 289                       | 0.317 0.0 1.0                       | 0.0 0.44 1.0                                   | 48.0 26.9 -75.0 79.8 289            | 0.317 0.0 1.0                       |                                     |
| 308               | 290               | 290               | 0.333 0.0 1.0                      | 34.3 77.6 -96.9 124.1 308                      | 0.0 0.437 1.0                       | 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 0.424 1.0                       | 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 0.412 1.0                       | 46.2 31.5 -77.8 84.1 292                       | 0.367 0.0 1.0                       | 0.0 0.404 1.0                                  | 45.7 32.7 -78.5 85.2 292            | 0.367 0.0 1.0                       |                                     |
| 309               | 293               | 293               | 0.383 0.0 1.0                      | 35.3 78.1 -95.1 123.0 309                      | 0.0 0.399 1.0                       | 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 0.386 1.0                       | 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 0.373 1.0                       | 43.7 38.0 -81.4 89.9 295                       | 0.417 0.0 1.0                       | 0.0 0.364 1.0                                  | 43.3 39.2 -82.2 91.2 295            | 0.417 0.0 1.0                       |                                     |
| 310               | 296               | 296               | 0.433 0.0 1.0                      | 36.7 78.9 -92.7 121.8 310                      | 0.0 0.353 1.0                       | 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 0.333 1.0                       | 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               | 0.466 0.0 1.0                      | 37.6 79.3 -91.2 120.9 311                      | 0.0 0.313 1.0                       | 40.5 46.3 -87.0 98.6 298                       | 0.467 0.0 1.0                       | 0.0 0.308 1.0                                  | 40.3 47.1 -87.5 99.4 298            | 0.467 0.0 1.0                       |                                     |
| 311               | 299               | 299               | 0.483 0.0 1.0                      | 38.1 79.6 -90.4 120.5 311                      | 0.0 0.293 1.0                       | 39.5 49.2 -88.7 101.5 299                      | 0.483 0.0 1.0                       | 0.0 0.289 1.0                                  | 39.2 49.9 -89.1 102.2 299           | 0.483 0.0 1.0                       |                                     |
| 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           | 0.5 0.0 1.0                         |                                     |



see similar files: http://130.149.60.45/~farbmetrik/QE92/QE92L0FA.TXT /PS  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE92/QE92L0FA.TXT /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

| h <sub>ab,d</sub> | h <sub>ab,s</sub> | h <sub>ab,e</sub> | rgb*<br>dd361M | LAB*<br>ddx361Mi (x=LabCh) | rgb*<br>ds361Mi | LAB*<br>dsx361Mi (x=LabCh) | rgb*<br>dd361Mi | LAB*<br>dex361Mi (x=LabCh) | rgb*<br>dd361Mi | LAB*<br>dex361Mi (x=LabCh) | rgb*<br>dd361Mi | rgb*<br>dd | rgb*<br>ds | rgb*<br>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        |            |

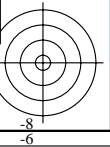
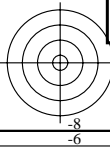
TUB registration: 20130201-QE92/QE92L0FA.TXT /.PS  
application for measurement of display output, no separation

TUB material: code=rha4ta

see similar files: http://130.149.60.45/~farbmetrik/QE92/QE92L0FA.TXT  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB-test chart QE92; hue code: H\*e=G50B<sub>e</sub>  
48 step hue circles; rgb-LabCh\*tables

input: rgb/cmyk -> rgb<sub>de</sub>  
output: 3D-linearization to rgb\*<sub>de</sub>



















TUB registration: 20130201-QE92/QE92L0FA.TXT /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

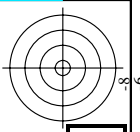


Table with 10 columns: n, HHC\*F0e, rpb\*F0e, icr\*F0e, hsa\*F0e, rpb\*F0e, LabCh\*F0e, LabCh\*F0e, rpb\*F0e, DE\*F0e, rha\*F0e, rpb\*F0e, LabCh\*F0e. Rows list various color patches and their corresponding colorimetric values.

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

see similar files: http://130.149.60.45/~farbmetrik/QE92/QE92.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



input: rgb/cmlyk -> rgbd output: 3D-linearization to rpb\*de

TUB-test chart QE92; hue code: H\*e=G50Be colors and differences, AE\*\*

QE920-TN; Page 20/29-F

L-1131930-F0



TUB registration: 20130201-QE92/QE92L0FA.TXT /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with columns: n, HHC\*F0, rgb\*F0, iet\*F0, Hsa\*F0, rgb\*F0, LabCH\*F0, LabCH\*F0, DE\*F0, rgb\*F0, LabCH\*F0, LabCH\*F0, delta F\*\* = 0.4. Rows include color codes like ROXY, R35Y, R15Y, etc.

see similar files: http://130.149.60.45/~farbmetrik/QE92/QE92L0FA.TXT /.PS; 3D-linearization technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

input: rgb/cmyk -> rgbde output: 3D-linearization to rgb\*de

TUB-test chart QE92; hue code: H\*e=G50Be colors and differences, AE\*F\*

TUB registration: 20130201-QE92/QE92L0FA.TXT /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with columns: n, HHC\*File, rgb\*File, iZt\*File, Hsa\*File, rgb\*File, LabCH\*File, LabCH\*File, LabCH\*File, DP\*File, Hsa\*File, rgb\*File, LabCH\*File. Rows include file names like R00Y\_087.087.de, R00Y\_087.087.de, etc.

see similar files: http://130.149.60.45/~farbmtrik/QE92/QE92.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmtrik

input: rgb/cmyk -> rgbde output: 3D-linearization to rgb\*de Mean color difference of this page: delta E\*\* = 0.3

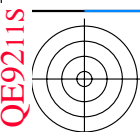
QE920-TN; Page 23/29-F

TUB-test chart QE92; hue code: H\*e=G50Be colors and differences, AE\*\*

L-1132230-F0

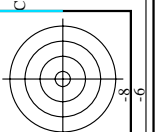






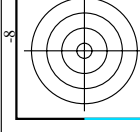
TUB registration: 20130201-QE92/QE92L0FA.TXT /.PS  
 application for measurement of display output, no separation

TUB material: code=rha4ta

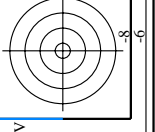


| n   | HC*File        | rgb*File | icc*File | hsv*File | rgb*File | LabCH*File | LabCH*File | rgb*File | DP*File | hsv*File | rgb*File | LabCH*File |
|-----|----------------|----------|----------|----------|----------|------------|------------|----------|---------|----------|----------|------------|
| 729 | NW_1000e       | 0.875    | 1.0      | 1.0      | 0.875    | 0.986      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 730 | GS0B_100.012de | 0.875    | 1.0      | 1.0      | 0.875    | 0.986      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 731 | GS0B_100.025de | 0.75     | 1.0      | 1.0      | 0.75     | 0.972      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 732 | GS0B_100.037de | 0.625    | 1.0      | 1.0      | 0.625    | 0.958      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 733 | GS0B_100.050de | 0.5      | 1.0      | 1.0      | 0.5      | 0.945      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 734 | GS0B_100.062de | 0.375    | 1.0      | 1.0      | 0.375    | 0.931      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 735 | GS0B_100.075de | 0.25     | 1.0      | 1.0      | 0.25     | 0.917      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 736 | GS0B_100.087de | 0.125    | 1.0      | 1.0      | 0.125    | 0.903      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 737 | GS0B_100.100de | 0.0      | 1.0      | 1.0      | 0.0      | 0.889      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 738 | ROY_100.012de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.907      | 0.989      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 739 | ROY_100.025de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 740 | ROY_100.037de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 741 | ROY_100.050de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 742 | ROY_100.062de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 743 | ROY_100.075de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 744 | ROY_100.087de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 745 | ROY_100.100de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 746 | ROY_100.012de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 747 | ROY_100.025de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 748 | ROY_100.037de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 749 | ROY_100.050de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 750 | ROY_100.062de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 751 | ROY_100.075de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 752 | GS0B_100.012de | 0.875    | 1.0      | 1.0      | 0.875    | 0.986      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 753 | GS0B_100.025de | 0.75     | 1.0      | 1.0      | 0.75     | 0.972      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 754 | GS0B_100.037de | 0.625    | 1.0      | 1.0      | 0.625    | 0.958      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 755 | GS0B_100.050de | 0.5      | 1.0      | 1.0      | 0.5      | 0.945      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 756 | GS0B_100.062de | 0.375    | 1.0      | 1.0      | 0.375    | 0.931      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 757 | GS0B_100.075de | 0.25     | 1.0      | 1.0      | 0.25     | 0.917      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 758 | GS0B_100.087de | 0.125    | 1.0      | 1.0      | 0.125    | 0.903      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 759 | GS0B_100.100de | 0.0      | 1.0      | 1.0      | 0.0      | 0.889      | 1.0        | 1.0      | 0.0     | 0.0      | 0.0      | 95.4       |
| 760 | ROY_100.012de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.907      | 0.989      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 761 | ROY_100.025de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 762 | ROY_100.037de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 763 | ROY_100.050de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 764 | ROY_100.062de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 765 | ROY_100.075de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 766 | ROY_100.087de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 767 | ROY_100.100de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 768 | ROY_100.012de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 769 | ROY_100.025de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 770 | ROY_100.037de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 771 | ROY_100.050de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 772 | ROY_100.062de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 773 | ROY_100.075de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 774 | ROY_100.087de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 775 | ROY_100.100de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 776 | ROY_100.012de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 777 | ROY_100.025de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 778 | ROY_100.037de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 779 | ROY_100.050de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 780 | ROY_100.062de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 781 | ROY_100.075de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 782 | ROY_100.087de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 783 | ROY_100.100de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 784 | ROY_100.012de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 785 | ROY_100.025de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 786 | ROY_100.037de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 787 | ROY_100.050de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 788 | ROY_100.062de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 789 | ROY_100.075de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 790 | ROY_100.087de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 791 | ROY_100.100de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 792 | ROY_100.012de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 793 | ROY_100.025de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 794 | ROY_100.037de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 795 | ROY_100.050de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 796 | ROY_100.062de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 797 | ROY_100.075de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 798 | ROY_100.087de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 799 | ROY_100.100de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 800 | ROY_100.012de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 801 | ROY_100.025de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 802 | ROY_100.037de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 803 | ROY_100.050de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 804 | ROY_100.062de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 805 | ROY_100.075de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 806 | ROY_100.087de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 807 | ROY_100.100de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 808 | ROY_100.012de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |
| 809 | ROY_100.025de  | 0.875    | 1.0      | 1.0      | 0.875    | 0.875      | 0.875      | 1.0      | 2.6     | 3.7      | 8.3      | 27.1       |

Mean color difference of this page:  $\Delta E^* = 0.7$



see similar files: <http://130.149.60.45/~farbmetrik/QE92/QE92.HTM>  
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



<http://130.149.60.45/~farbmetrik/QE92/QE92L0FA.TXT /.PS; 3D-linearization>  
 F: 3D-linearization QE92/QE92L30FA.DAT in file (F), page 25/29

input: *rgb\*cmk* -> *rgbde*  
 output: 3D-linearization to *rgb\*de*

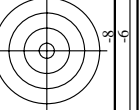
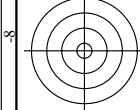
TUB-test chart QE92; hue code: H\*e=G50Be  
 colors and differences,  $\Delta E^*$

QE920-7N; Page 25/29-F

L-11324-F0

L-11324-F0

Table with 30 columns: n, HHC\*Fate, rpb\*Fate, icr\*Fate, hsa\*Fate, rpb\*Fate, LabCh\*Fate, LabCh\*Fate, rpb\*Fate, rpb\*Fate, LabCh\*Fate, LabCh\*Fate, rpb\*Fate, rpb\*Fate, LabCh\*Fate, LabCh\*Fate, rpb\*Fate, rpb\*Fate, LabCh\*Fate, LabCh\*Fate, rpb\*Fate, rpb\*Fate, LabCh\*Fate, LabCh\*Fate, rpb\*Fate, rpb\*Fate, LabCh\*Fate, LabCh\*Fate, rpb\*Fate, rpb\*Fate. Rows include model numbers like NV\_1000e, BOOR\_100.012de, etc.



TUB registration: 20130201-QE92/QE92L0FA.TXT /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with 10 columns: n, HVC\*Fate, rpb\*Fate, icr\*Fate, hsa\*Fate, rpb\*Fate, LabCh\*Fate, rpb\*Fate, LabCh\*Fate, DP\*Fate, hsa\*Fate, rpb\*Fate, LabCh\*Fate. Rows include various color and grayscale patches like 891, 892, 893, etc.

see similar files: http://130.149.60.45/~farbmetrik/QE92/QE92.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik





