

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 152/360 = 0.42$

$H^*_- = G00B_-$

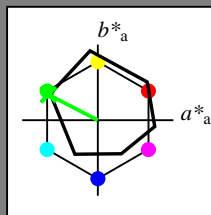
Data for any device (d) or elementary (e) colour:

HIC^*_-

hue text for the colours of this page:

$H^*_- = G00B_-$

triangle lightness T^*



ORS18a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}: 55 -65 33 73 152$

$HIC^*_{-,Ma}: G00B_100_100_$

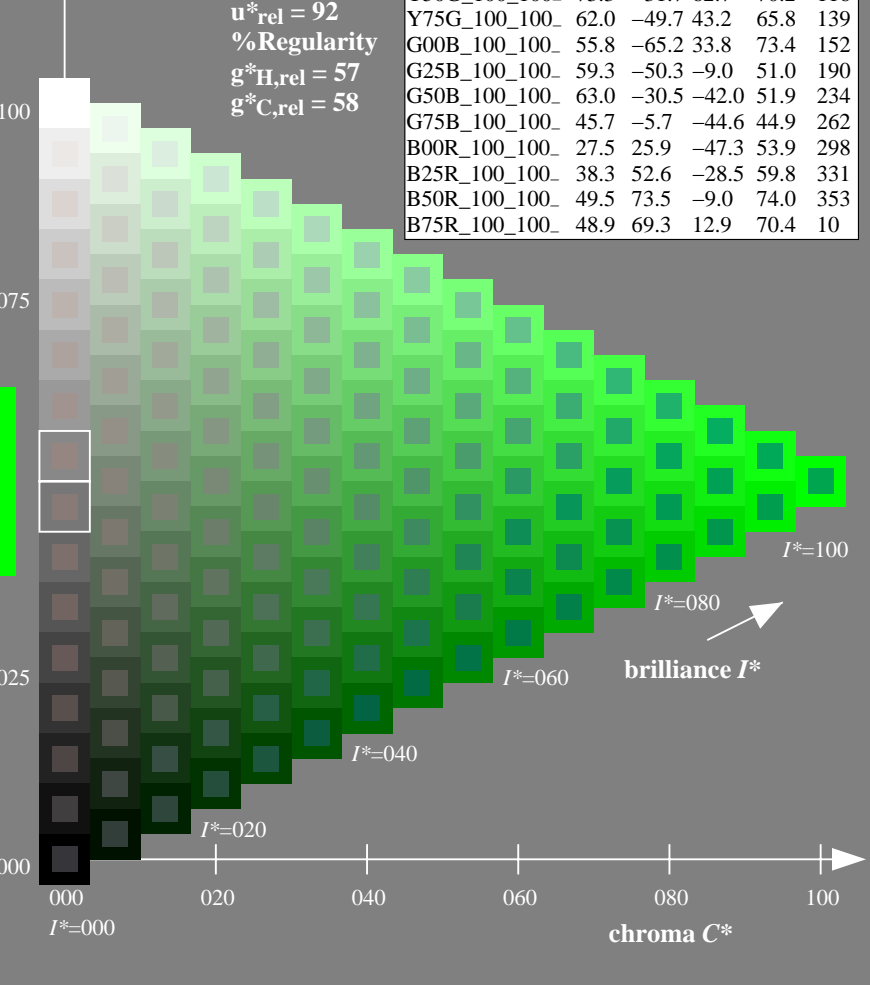
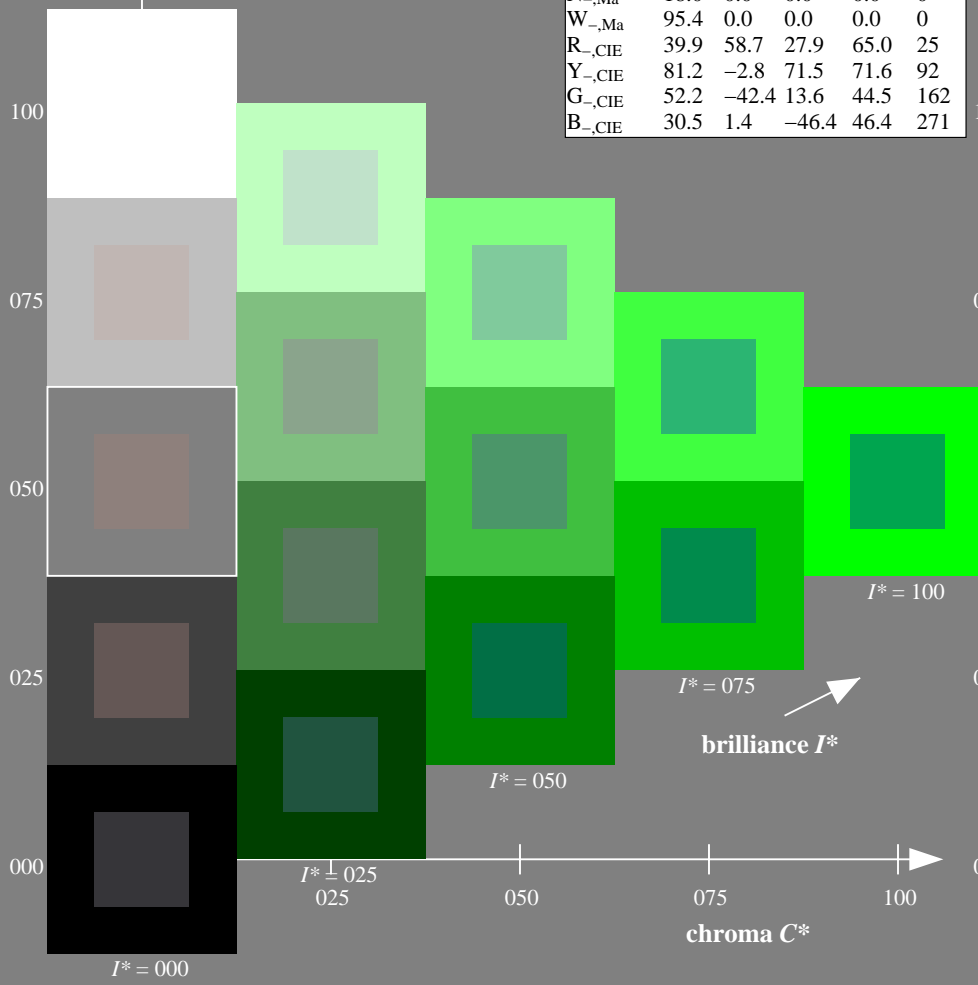
$rgbic^*_{-,Ma}: 0.0 1.0 0.0 1.0 1.0$

triangle lightness T^*

ORS20a; adapted (a) CIELAB data

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

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



see similar files: <http://130.149.60.45/~farbmetrik/QE72/QE72L0NP.PDF> / .PS; start output
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE72/QE72L0NP.PDF /.PS
 application for measurement of display output

TUB material: code=rh4ta

Input and Output: Television Luminous System TLS00a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 162/360 = 0.45$

$H^*_e = G00B_e$

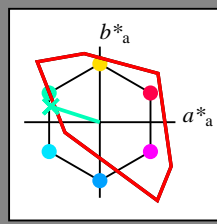
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = G00B_e$

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):

$LabCh^*_{e, Ma}: 85 -64 20 67 162$

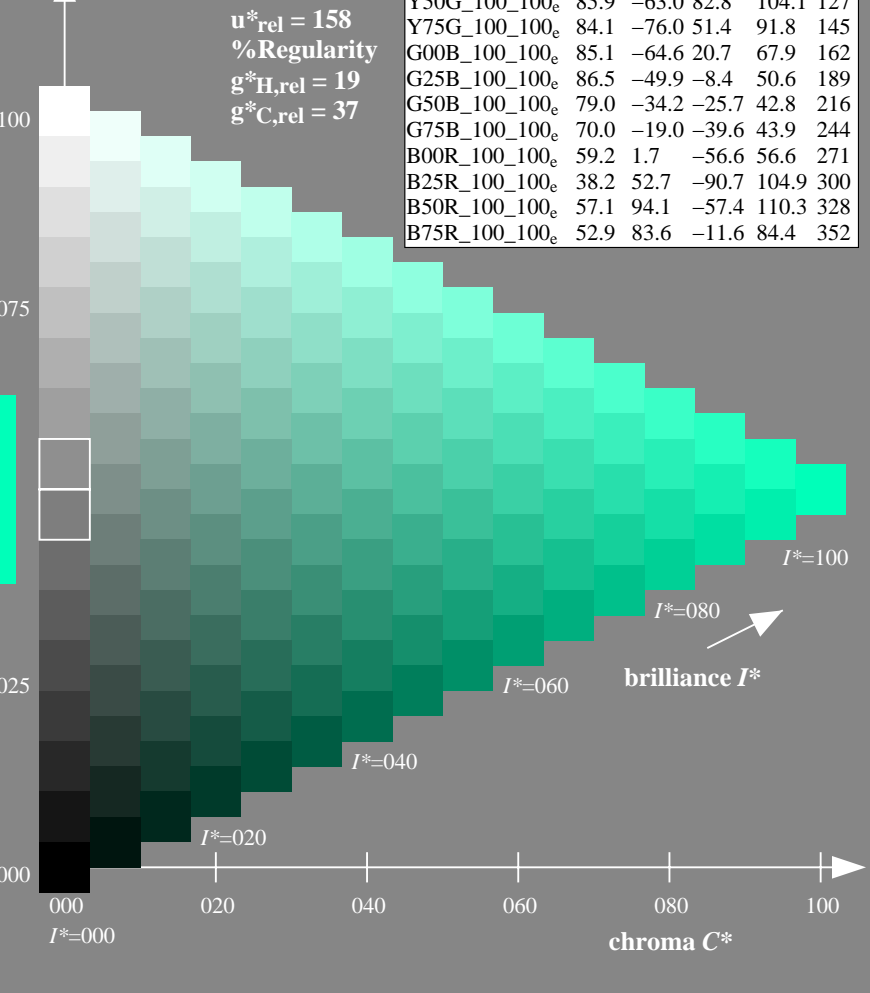
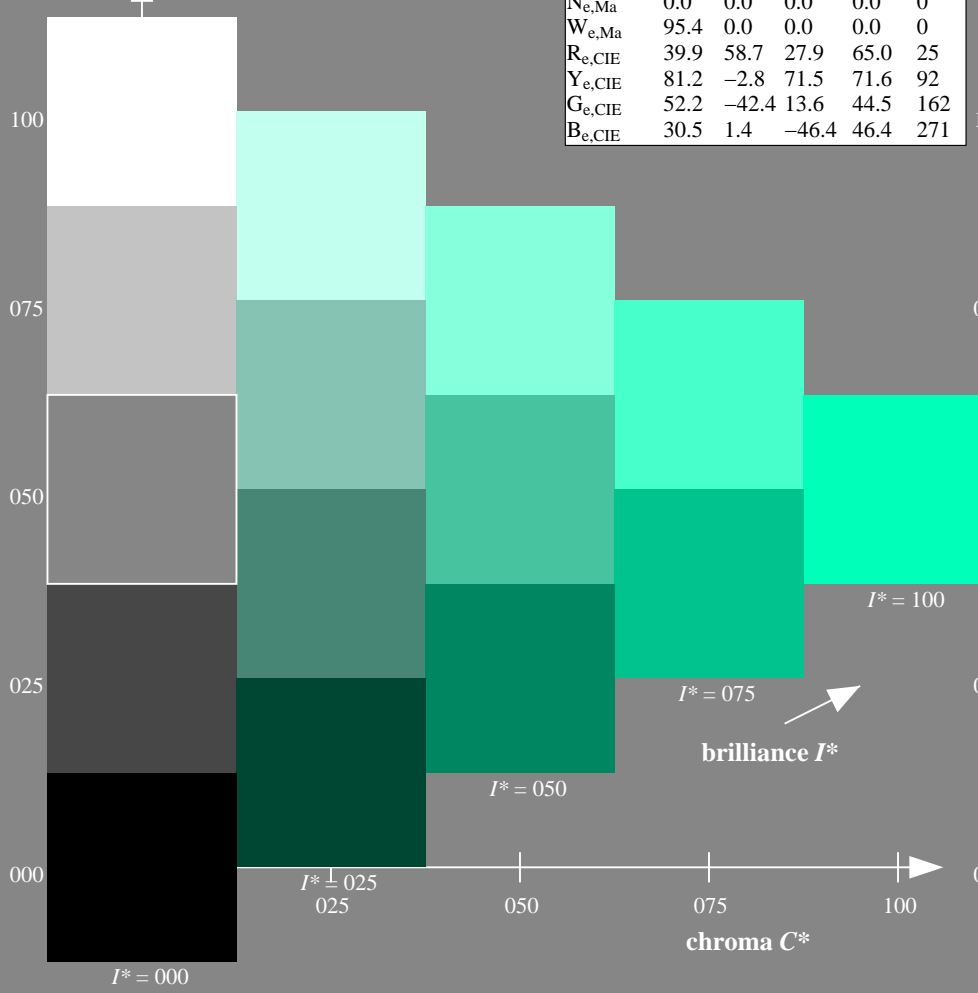
$HIC^*_{e, Ma}: G00B_100_100_e$

$rgbic^*_{e, Ma}: 0.0 1.0 0.7 1.0 1.0$

triangle lightness T^*

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/QE72/QE72L0NP.PDF /.PS; transfer output
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE72/QE72L0NP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rh4ta

1-013130-L0 QE720-71

TUB-test chart QE72; hue code: $H^*_e = G00B_e$
Test chart according to DIN 33872, 3D=0, de=1, sRGB

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

1-013130-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 $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

J=Y_d Yellow

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

L=G_d leaf-green

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

C=C_d cyan-blue

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

O=R_d orange-red

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

M=M_d magenta-red

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

V=B_d violet-blue

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

Y_e yellow

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

G_e green

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

C_e blue-green

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

B_e blue

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

R_e red

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

M_e blue-red

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

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

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

G_s green

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

R_s red

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

C_s blue-green

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

M_s blue-red

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

B_s blue

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

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

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

$$h_{ab,s} = \text{atan} [r^*_d \cos(30) + g^*_d \cos(150)] / [r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270)] \quad (1)$$
- 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:

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

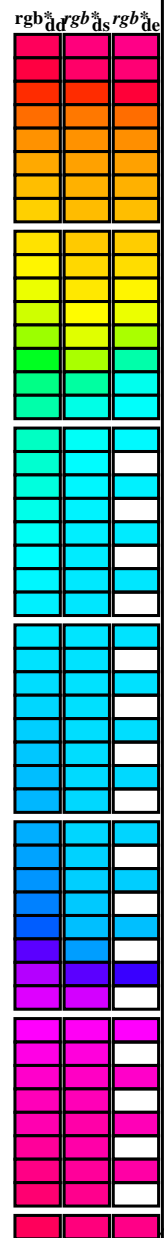
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- For any elementary hue angle $h_{ab,e}$ there is a well defined device hue angle $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4.
- The values rgb^*_{de} produce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

see similar files: http://130.149.60.45/~farbmetrik/QE72/QE72L0NP.PDF /.PS; transfer output
 technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE72/QE72L0NP.PDF /.PS
 application for measurement of display output, no separation
 TUB material: code=rh4ta

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

Table with columns: h_{ab,d}, h_{ab,s}, h_{ab,e}, r_{gb}*_{dd64M}, LAB*_{ddx64M} (x=LabCh), r_{gb}*_{ddx361M}, LAB*_{ddx361M} (x=LabCh), r_{gb}*_{dsx361M}, LAB*_{dsx361M} (x=LabCh), r_{gb}*_{dex361M}, LAB*_{dex361M} (x=LabCh). Rows list color data for various hue angles and device configurations.



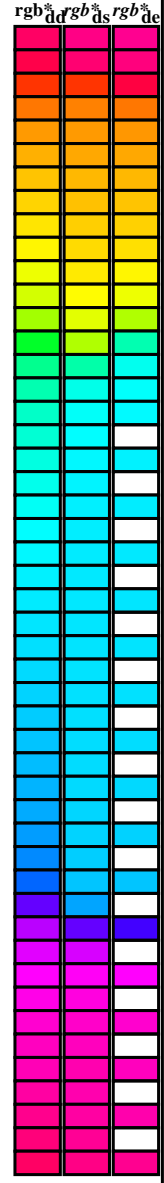
see similar files: http://130.149.60.45/~farbmetrik/QE72/QE72L0NP.PDF /.PS application for measurement of display output, no separation

TUB registration: 20130201-QE72/QE72L0NP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rh4ta

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

h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd64M	LAB* ddx64M (x=LabCh)	rgb* dex361M	LAB* dex361M
40.0	30.0	25.4	1.0 0.0 0.0	50.4 76.9 64.5 100.4 40.0	1.0 0.0 0.263 50.9	78.3 37.3 86.7 25
41.3	37.5	33.8	1.0 0.125 0.0	51.5 73.9 64.9 98.3 41.3	1.0 0.0 0.156 50.7	77.7 51.0 92.9 33
44.6	45.0	42.1	1.0 0.25 0.0	54.0 66.7 65.9 93.8 44.6	1.0 0.157 0.0	52.2 72.0 65.3 97.2 42
50.7	52.5	50.5	1.0 0.375 0.0	58.2 55.4 67.9 87.7 50.7	1.0 0.358 0.0	57.7 56.9 67.8 88.6 49
59.7	60.0	58.8	1.0 0.5 0.0	63.6 41.3 71.0 82.2 59.7	1.0 0.488 0.0	63.1 42.8 70.9 82.8 58
71.0	67.5	67.2	1.0 0.625 0.0	70.1 25.7 75.0 79.3 71.0	1.0 0.577 0.0	67.6 31.8 73.9 80.5 66
82.9	75.0	75.6	1.0 0.75 0.0	77.2 9.8 79.7 80.4 82.9	1.0 0.673 0.0	72.8 19.8 77.3 79.8 75
93.8	82.5	83.9	1.0 0.875 0.0	84.8 -5.7 85.0 85.2 93.8	1.0 0.755 0.0	77.5 9.3 80.1 80.6 83
102.8	90.0	92.3	1.0 1.0 0.0	92.6 -20.7 90.7 93.0 102.8	1.0 0.857 0.0	83.7 -3.3 84.5 84.6 92
110.5	97.5	101.0	0.875 1.0 0.0	90.4 -33.1 88.1 94.1 110.5	1.0 0.967 0.0	90.6 -16.4 89.5 91.0 100
117.6	105.0	109.7	0.75 1.0 0.0	88.5 -44.9 85.8 96.8 117.6	0.888 1.0 0.0	90.7 -31.7 88.5 94.0 109
123.6	112.5	118.5	0.625 1.0 0.0	86.9 -55.8 83.9 100.7 123.6	0.743 1.0 0.0	88.5 -45.4 85.8 97.1 117
128.3	120.0	127.2	0.5 1.0 0.0	85.7 -65.2 82.4 105.1 128.3	0.529 1.0 0.0	86.0 -62.9 82.9 104.1 127
131.8	127.5	136.0	0.375 1.0 0.0	84.7 -72.8 81.2 109.1 131.8	0.132 1.0 0.0	83.8 -81.2 80.1 114.1 135
134.1	135.0	144.7	0.25 1.0 0.0	84.1 -78.2 80.5 112.2 134.1	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 1.0 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 1.0 42.1 82.1 -83.8 117.4 314
323.3	322.5	321.4	0.875 0.0	1.0 52.1 89.8 -66.9 112.0 323.3	0.0 0.811	0.0 1.0 49.7 87.9 -71.0 113.1 321
328.2	330.0	328.6	1.0 0.0	1.0 57.2 94.3 -58.4 110.9 328.2	0.0 0.992	57.2 94.2 -57.4 110.3 328
334.0	337.5	335.7	1.0 0.0 0.875	55.6 90.3 -43.9 100.4 334.0	0.0 0.856	55.4 89.9 -41.4 99.0 335
341.6	345.0	342.8	1.0 0.0 0.75	54.2 86.7 -28.6 91.3 341.6	0.0 0.735	54.1 86.5 -26.6 90.6 342
351.4	352.5	349.9	1.0 0.0 0.625	53.0 83.6 -12.6 84.6 351.4	0.0 0.65	53.3 84.5 -15.6 86.0 349
362.9	360.0	357.0	1.0 0.0 0.5	52.0 81.1 4.1 81.2 362.9	0.0 0.618	53.0 83.6 -11.6 84.4 352
375.2	367.5	364.1	1.0 0.0 0.375	51.3 79.2 21.6 82.1 375.2	0.0 0.533	52.3 82.2 -0.1 82.2 359
386.7	375.0	371.2	1.0 0.0 0.25	50.8 77.9 39.2 87.2 386.7	0.0 0.441	51.7 80.7 12.5 81.7 368
395.4	382.5	378.3	1.0 0.0 0.125	50.6 77.2 54.9 94.8 395.4	0.0 0.361	51.3 79.3 23.6 82.8 376
400.0	390.0	385.4	1.0 0.0 0.0	50.4 76.9 64.5 100.4 400.0	0.0 0.263	50.9 78.3 37.3 86.7 385



see similar files: http://130.149.60.45/~farbmetrik/QE72/QE72L0NP.PDF /.PS; transfer output
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE72/QE72L0NP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rh4ta

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

h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb [*] _{dd361M}	LAB [*] _{ddx361Mi (x=LabCh)}	R _d	rgb [*] _{ds361Mi}	LAB [*] _{dsx361Mi (x=LabCh)}	R _s	rgb [*] _{dd361Mi}	LAB [*] _{de361Mi}	R _e	rgb [*] _{dd361Mi}	rgb [*] _{dd}	rgb [*] _{ds}	rgb [*] _{de}
40	30	25	1.0 0.0 0.0	50.4 76.9 64.5	100.4 40	1.0 0.0 0.0	203 50.8 78.0	45.1 90.1 30	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	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 0.0 0.189	50.7 78.0 46.9	91.0 31	1.0 0.017 0.0	1.0 0.0 0.251	50.9 78.0 39.0	87.2 26	1.0 0.017 0.0		
40	32	27	1.0 0.033 0.0	50.7 76.1 64.6	99.8 40	1.0 0.0 0.174	50.7 77.9 48.7	91.8 32	1.0 0.033 0.0	1.0 0.0 0.236	50.8 78.0 41.0	88.1 27	1.0 0.033 0.0		
40	33	28	1.0 0.05 0.0	50.9 75.7 64.7	99.6 40	1.0 0.0 0.16 50.7	77.7 50.5 92.7	33	1.0 0.05 0.0	1.0 0.0 0.22 50.8	78.1 43.0 89.1	28	1.0 0.05 0.0		
40	34	29	1.0 0.066 0.0	51.0 75.3 64.7	99.3 40	1.0 0.0 0.146 50.6	77.6 52.3 93.6	34	1.0 0.067 0.0	1.0 0.0 0.204 50.8	78.0 44.9 90.1	29	1.0 0.067 0.0		
40	35	31	1.0 0.083 0.0	51.1 74.9 64.8	99.0 40	1.0 0.0 0.131 50.6	77.3 54.2 94.4	35	1.0 0.083 0.0	1.0 0.0 0.188 50.7	78.0 46.9 91.0	31	1.0 0.083 0.0		
41	36	32	1.0 0.1 0.0	51.3 74.5 64.8	98.7 41	1.0 0.0 0.11 50.6	77.3 56.1 95.5	36	1.0 0.1 0.0	1.0 0.0 0.172 50.7	77.9 49.0 92.0	32	1.0 0.1 0.0		
41	37	33	1.0 0.116 0.0	51.4 74.1 64.9	98.5 41	1.0 0.0 0.082 50.6	77.2 58.2 96.7	37	1.0 0.117 0.0	1.0 0.0 0.156 50.7	77.7 51.0 92.9	33	1.0 0.117 0.0		
41	38	34	1.0 0.133 0.0	51.7 73.4 65.0	98.0 41	1.0 0.0 0.055 50.5	77.2 60.3 98.0	38	1.0 0.133 0.0	1.0 0.0 0.14 50.6	77.5 53.0 93.9	34	1.0 0.133 0.0		
41	39	35	1.0 0.15 0.0	52.0 72.4 65.2	97.4 41	1.0 0.0 0.028 50.5	77.1 62.4 99.2	39	1.0 0.15 0.0	1.0 0.0 0.123 50.6	77.2 55.1 94.9	35	1.0 0.15 0.0		
42	40	36	1.0 0.166 0.0	52.3 71.4 65.3	96.8 42	1.0 0.0 0.0 50.5	76.9 64.6 100.4	40	1.0 0.167 0.0	1.0 0.0 0.093 50.6	77.3 57.4 96.3	36	1.0 0.167 0.0		
42	41	37	1.0 0.183 0.0	52.7 70.5 65.5	96.2 42	1.0 0.095 0.0	51.3 74.6 64.9	98.9 41	1.0 0.183 0.0	1.0 0.0 0.062 50.5	77.2 59.7 97.6	37	1.0 0.183 0.0		
43	42	38	1.0 0.2 0.0	53.0 69.5 65.6	95.6 43	1.0 0.151 0.0	52.1 72.4 65.2	97.5 42	1.0 0.2 0.0	1.0 0.0 0.032 50.5	77.1 62.1 99.0	38	1.0 0.2 0.0		
43	43	39	1.0 0.216 0.0	53.4 68.6 65.7	95.0 43	1.0 0.188 0.0	52.8 70.3 65.5	96.1 43	1.0 0.217 0.0	1.0 0.0 0.001 50.5	76.9 64.5 100.4	39	1.0 0.217 0.0		
44	44	41	1.0 0.233 0.0	53.7 67.6 65.8	94.4 44	1.0 0.225 0.0	53.6 68.2 65.8	94.8 44	1.0 0.233 0.0	1.0 0.102 0.0	51.4 74.4 64.9	98.8 41	1.0 0.233 0.0		
44	45	42	1.0 0.25 0.0	54.0 66.7 65.9	93.8 44	1.0 0.256 0.0	54.3 66.1 66.1	93.5 45	1.0 0.25 0.0	1.0 0.157 0.0	52.2 72.0 65.3	97.2 42	1.0 0.25 0.0		
45	46	43	1.0 0.266 0.0	54.6 65.1 66.3	93.0 45	1.0 0.277 0.0	55.0 64.3 66.6	92.5 46	1.0 0.267 0.0	1.0 0.199 0.0	53.0 69.6 65.6	95.7 43	1.0 0.267 0.0		
46	47	44	1.0 0.283 0.0	55.1 63.6 66.6	92.2 46	1.0 0.297 0.0	55.6 62.4 66.9	91.5 47	1.0 0.283 0.0	1.0 0.24 0.0	53.9 67.3 65.9	94.2 44	1.0 0.283 0.0		
47	48	45	1.0 0.3 0.0	55.7 62.1 66.9	91.3 47	1.0 0.318 0.0	56.3 60.6 67.3	90.5 48	1.0 0.3 0.0	1.0 0.267 0.0	54.7 65.1 66.4	93.0 45	1.0 0.3 0.0		
47	49	46	1.0 0.316 0.0	56.2 60.6 67.2	90.5 47	1.0 0.338 0.0	57.0 58.7 67.6	89.5 49	1.0 0.317 0.0	1.0 0.29 0.0	55.4 63.1 66.8	91.9 46	1.0 0.317 0.0		
48	50	47	1.0 0.333 0.0	56.8 59.1 67.5	89.7 48	1.0 0.359 0.0	57.7 56.9 67.8	88.5 50	1.0 0.333 0.0	1.0 0.313 0.0	56.2 61.0 67.2	90.8 47	1.0 0.333 0.0		
49	51	48	1.0 0.35 0.0	57.3 57.6 67.7	88.9 49	1.0 0.378 0.0	58.3 55.1 68.1	87.6 51	1.0 0.35 0.0	1.0 0.336 0.0	56.9 59.0 67.5	89.7 48	1.0 0.35 0.0		
50	52	49	1.0 0.366 0.0	57.9 56.2 67.9	88.1 50	1.0 0.392 0.0	58.9 53.6 68.6	87.0 52	1.0 0.367 0.0	1.0 0.358 0.0	57.7 56.9 67.8	88.6 49	1.0 0.367 0.0		
51	53	51	1.0 0.383 0.0	58.5 54.5 68.2	87.3 51	1.0 0.406 0.0	59.6 52.0 69.0	86.4 53	1.0 0.383 0.0	1.0 0.379 0.0	58.4 55.0 68.1	87.6 51	1.0 0.383 0.0		
52	54	52	1.0 0.4 0.0	59.3 52.6 68.8	86.6 52	1.0 0.42 0.0	60.2 50.4 69.4	85.8 54	1.0 0.4 0.0	1.0 0.395 0.0	59.1 53.2 68.7	86.9 52	1.0 0.4 0.0		
53	55	53	1.0 0.416 0.0	60.0 50.7 69.3	85.9 53	1.0 0.433 0.0	60.8 48.8 69.8	85.2 55	1.0 0.417 0.0	1.0 0.41 0.0	59.7 51.5 69.1	86.2 53	1.0 0.417 0.0		
54	56	54	1.0 0.433 0.0	60.7 48.8 69.7	85.1 54	1.0 0.447 0.0	61.4 47.3 70.1	84.5 56	1.0 0.433 0.0	1.0 0.426 0.0	60.4 49.7 69.6	85.5 54	1.0 0.433 0.0		
56	57	55	1.0 0.45 0.0	61.4 46.9 70.1	84.4 56	1.0 0.461 0.0	62.0 45.7 70.4	83.9 57	1.0 0.45 0.0	1.0 0.441 0.0	61.1 48.0 69.9	84.8 55	1.0 0.45 0.0		
57	58	56	1.0 0.466 0.0	62.2 45.1 70.4	83.6 57	1.0 0.475 0.0	62.6 44.1 70.7	83.3 58	1.0 0.467 0.0	1.0 0.457 0.0	61.8 46.2 70.3	84.1 56	1.0 0.467 0.0		
58	59	57	1.0 0.483 0.0	62.9 43.2 70.7	82.9 58	1.0 0.489 0.0	63.2 42.6 70.9	82.7 59	1.0 0.483 0.0	1.0 0.472 0.0	62.5 44.5 70.6	83.4 57	1.0 0.483 0.0		
59	60	58	1.0 0.5 0.0	63.6 41.3 71.0	82.2 59	1.0 0.502 0.0	63.8 41.1 71.2	82.2 60	1.0 0.5 0.0	1.0 0.488 0.0	63.1 42.8 70.9	82.8 58	1.0 0.5 0.0		
61	61	60	1.0 0.516 0.0	64.5 39.3 71.7	81.8 61	1.0 0.513 0.0	64.4 39.7 71.6	81.9 61	1.0 0.517 0.0	1.0 0.502 0.0	63.8 41.1 71.2	82.2 60	1.0 0.517 0.0		
62	62	61	1.0 0.533 0.0	65.3 37.2 72.4	81.4 62	1.0 0.525 0.0	64.9 38.3 72.1	81.7 62	1.0 0.533 0.0	1.0 0.515 0.0	64.4 39.5 71.7	81.9 61	1.0 0.533 0.0		
64	63	62	1.0 0.55 0.0	66.2 35.1 73.0	81.0 64	1.0 0.536 0.0	65.5 37.0 72.5	81.4 63	1.0 0.55 0.0	1.0 0.527 0.0	65.1 38.0 72.2	81.6 62	1.0 0.55 0.0		
65	64	63	1.0 0.566 0.0	67.1 33.0 73.5	80.6 65	1.0 0.547 0.0	66.1 35.6 72.9	81.1 64	1.0 0.567 0.0	1.0 0.54 0.0	65.7 36.5 72.7	81.3 63	1.0 0.567 0.0		
67	65	64	1.0 0.583 0.0	67.9 31.0 74.0	80.3 67	1.0 0.558 0.0	66.7 34.2 73.3	80.9 65	1.0 0.583 0.0	1.0 0.552 0.0	66.4 34.9 73.1	81.0 64	1.0 0.583 0.0		
68	66	65	1.0 0.6 0.0	68.6 28.9 74.5	79.9 68	1.0 0.569 0.0	67.2 32.8 73.7	80.6 66	1.0 0.6 0.0	1.0 0.564 0.0	67.0 33.4 73.5	80.7 65	1.0 0.6 0.0		
70	67	66	1.0 0.616 0.0	69.8 26.8 74.8	79.5 70	1.0 0.58 0.0	67.8 31.4 74.0	80.4 67	1.0 0.617 0.0	1.0 0.577 0.0	67.6 31.8 73.9	80.5 66	1.0 0.617 0.0		
71	68	67	1.0 0.633 0.0	70.5 24.7 75.4	79.4 71	1.0 0.591 0.0	68.4 30.0 74.3	80.1 68	1.0 0.633 0.0	1.0 0.589 0.0	68.3 30.3 74.2	80.2 67	1.0 0.633 0.0		
73	69	68	1.0 0.65 0.0	71.5 22.7 76.2	79.5 73	1.0 0.602 0.0	69.0 28.6 74.6	79.9 69	1.0 0.65 0.0	1.0 0.602 0.0	68.9 28.7 74.5	79.9 68	1.0 0.65 0.0		
75	70	70	1.0 0.666 0.0	72.4 20.6 76.9	79.7 75	1.0 0.614 0.0	69.5 27.2 74.8	79.6 70	1.0 0.667 0.0	1.0 0.614 0.0	69.5 27.2 74.8	79.6 70	1.0 0.667 0.0		
76	71	71	1.0 0.683 0.0	73.4 18.5 77.6	79.8 76	1.0 0.625 0.0	70.1 25.8 75.0	79.4 71	1.0 0.683 0.0	1.0 0.626 0.0	70.2 25.6 75.1	79.4 71	1.0 0.683 0.0		
78	72	72	1.0 0.7 0.0	74.3 16.3 78.2	79.9 78	1.0 0.635 0.0	70.7 24.5 75.6	79.4 72	1.0 0.7 0.0	1.0 0.638 0.0	70.9 24.2 75.7	79.5 72	1.0 0.7 0.0		
79	73	73	1.0 0.716 0.0	75.3 14.2 78.8	80.1 79	1.0 0.646 0.0	71.3 23.3 76.1	79.5 73	1.0 0.717 0.0	1.0 0.65 0.0	71.5 22.8 76.2	79.6 73	1.0 0.717 0.0		
81	74	74	1.0 0.733 0.0	76.2 12.0 79.3	80.2 81	1.0 0.656 0.0	71.9 21.9 76.5	79.6 74	1.0 0.733 0.0	1.0 0.661 0.0	72.2 21.3 76.8	79.7 74	1.0 0.733 0.0		
82	75	75	1.0 0.75 0.0	77.2 9.8 79.7	80.4 82	1.0 0.667 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		

see similar files: http://130.149.60.45/~farbmetrik/QE72/QE72L0NP.PDF /.PS
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE72/QE72L0NP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rh4ta

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

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

see similar files: http://130.149.60.45/~farbmetrik/QE72/QE72L0NP.PDF /.PS
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE72

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

h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd361M	LAB* ddx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)																	
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 _d	0.0	1.0	0.523	84.4	-72.9	42.1	84.3	150	G _s	0.0	1.0	0.0	0.0	1.0	0.706	85.2	-64.6	20.7	67.9	162	G _e	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	0.626	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																

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

Table with columns: h_{ab,d}, h_{ab,s}, h_{ab,e}, r_{gb}*, d_{s361Mi}, LAB*, d_{dsx361Mi} (x=LabCh), r_{gb}*, d_{s361Mi}, LAB*, d_{dsx361Mi} (x=LabCh), r_{gb}*, d_{s361Mi}, LAB*, d_{dsx361Mi} (x=LabCh), r_{gb}*, d_{s361Mi}, LAB*, d_{dsx361Mi} (x=LabCh). Rows: 139-196.

technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

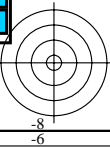
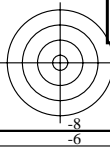
TUB registration: 20130201-QE72/QE72L0NP.PDF /.PS application for measurement of display output, no separation TUB material: code=rh4ta

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

Table with columns: h_{ab,d}, h_{ab,s}, h_{ab,e}, r_{gb}*_dd361M, LAB*_*dd361Mi (x=LabCh), r_{gb}*_*ds361Mi, LAB*_*ds361Mi (x=LabCh), r_{gb}*_*dd361Mi, LAB*_*dex361Mi (x=LabCh), r_{gb}*_*dd361Mi, r_{gb}*_*ds361Mi, r_{gb}*_*ds361Mi. Rows 196-301.

see similar files: http://130.149.60.45/~farbmetrik/QE72/QE72L0NP.PDF /.PS application for measurement of display output, no separation

TUB registration: 20130201-QE72/QE72L0NP.PDF /.PS application for measurement of display output, no separation TUB material: code=rha4ta



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

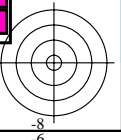
Table with columns: h_{ab,d}, h_{ab,s}, h_{ab,e}, r_{gb}^{*}dd361M, LAB^{*}ddx361Mi (x=LabCh), r_{gb}^{*}ds361Mi, LAB^{*}dsx361Mi (x=LabCh), r_{gb}^{*}dd361Mi, LAB^{*}dex361Mi (x=LabCh), r_{gb}^{*}dd361Mi. Rows 311-341.

see similar files: http://130.149.60.45/~farbmetrik/QE72/QE72L0NP.PDF /.PS application for measurement of display output, no separation

TUB registration: 20130201-QE72/QE72L0NP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rh4ta

technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

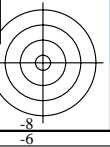
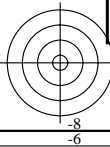


Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
Six hue angles of the device colours RYGBM_d: h_{ab,d} = 40.0, 102.9, 136.0, 196.4,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

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

see similar files: http://130.149.60.45/~farbmetrik/QE72/QE72L0NP.PDF /.PS
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE72/QE72L0NP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rha4ta



TUB registration: 20130201-QE72/QE72LONP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with columns: nrf, HHC*Fe, rpb*Fe, icr*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, rpb*Fe, DF*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, DF*Fe, hsa*Fe, rpb*Fe, LabCh*Fe. Rows include color names like R00Y, R13Y, G00C, etc.

see similar files: http://130.149.60.45/~farbmetrik/QE72/QE72.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

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

Mean color difference of this page: delta E* = 26.3

TUB-test chart QE72; hue code: H*e=G00B*e colors and differences, ΔE*'

TUB registration: 20130201-QE72/QE72LONP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

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

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

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

TUB registration: 20130201-QE72/QE72LONP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with columns: n, HHC*Fe, rpb*Fe, iet*Fe, HsL*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, DF*Fe, HsM*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe. Rows 81-161.

see similar files: http://130.149.60.45/~farbmatrik/QE72/QE72.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmatrik

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

Mean color difference of this page: delta E* = 36.3

QE720-TN; Page 17/29-F

TUB-test chart QE72; hue code: H*e=G00B'e colors and differences, AE*'

L-011630-F0

L-011630-F0

TUB registration: 20130201-QE72/QE72LONP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

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

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

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

TUB registration: 20130201-QE72/QE72LONP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with 323 rows and 15 columns: n, HHC*Fe, rpb*Fe, iet*Fe, Hs*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, rpb*Fe, LabCh*Fe. The table contains numerical data for various color and difference measurements.

see similar files: http://130.149.60.45/~farbmatrik/QE72/QE72.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmatrik

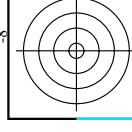
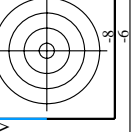
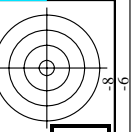
input: rgb/cmyk -> rgbe output: transfer to rgbe

TUB-test chart QE72; hue code: H*e=G00Be colors and differences, AE*'

QE720-TN; Page 19/29-F

L-0131830-F0

L-0131830-F0



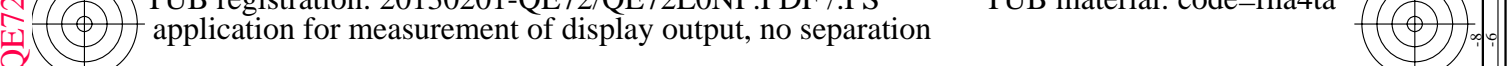
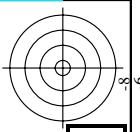


Table with columns: n, HfC%, rgbFe, ietFe, HsFe, rrgbFe, LabCh*Fe, LabCh*Fe, rrgbFe, HsFe, LabCh*Fe, LabCh*Fe, rrgbFe, DF*Fe, HsMe, rrgbMe, LabCh*Me, LabCh*Me, rrgbMe. The table contains 404 rows of data representing different color calibration targets.

TUB registration: 20130201-QE72/QE72LONP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta



http://130.149.60.45/~farbmetrik/QE72/QE72LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 21/29

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

Table with 10 columns: n, HHC*Fe, rpb*Fe, iet*Fe, Hs*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, DF*Fe, Hs*Me, rpb*Me, LabCh*Me, LabCh*Me, rpb*Me. Rows 405-485.

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

see similar files: http://130.149.60.45/~farbmetrik/QE72/QE72.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

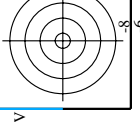
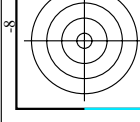


Table with columns: n, HHC*Fe, rpb*Fe, iet*Fe, Hs*Fe, rpb*Fe, LabCh*Fe, Hs*Fe, rpb*Fe, LabCh*Fe, DF*Fe, Hs*Fe, rpb*Fe, LabCh*Fe. Rows list various color patches (e.g., R00Y, R01Y, etc.) and their corresponding colorimetric data.

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

TUB-test chart QE72; hue code: H*e=G00Be colors and differences, ΔE*

Mean color difference of this page: ΔE* = 12.8

TUB registration: 20130201-QE72/QE72LONP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with columns: n, HiC*Fe, Rgb*Fe, iEt*Fe, ihs*Fe, Rgb*Fe, LabCh*Fe, LabCh*Fe, Rgb*Fe, DF*Fe, ihs*Fe, Rgb*Fe, LabCh*Fe, LabCh*Fe, Rgb*Fe, LabCh*Fe. Rows 567-647.

delta E** = 12.3

Mean color difference of this page:

see similar files: http://130.149.60.45/~farbmatrik/QE72/QE72.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmatrik

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

TUB-test chart QE72; hue code: H*e=G00Be colors and differences, AE**

TUB registration: 20130201-QE72/QE72LONP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with columns: n, HfC*Fe, Rgb*Fe, iCr*Fe, Hs*Fe, Rgb*Fe, LabCh*Fe, LabCh*Fe, Rgb*Fe, DF*Fe, Hs*Fe, Rgb*Fe, LabCh*Fe, LabCh*Fe, Rgb*Fe. Rows include color names like NV_100k, G50B_100.02k, etc.

see similar files: http://130.149.60.45/~farbmetrik/QE72/QE72.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

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

TUB-test chart QE72; hue code: H*e=G00Be colors and differences, ΔE*

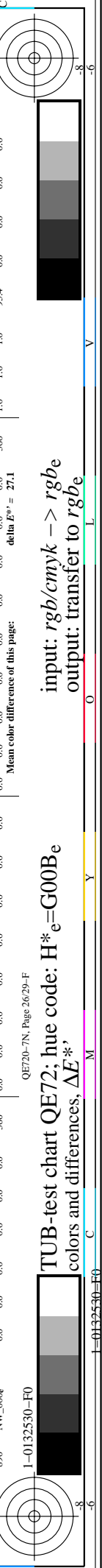
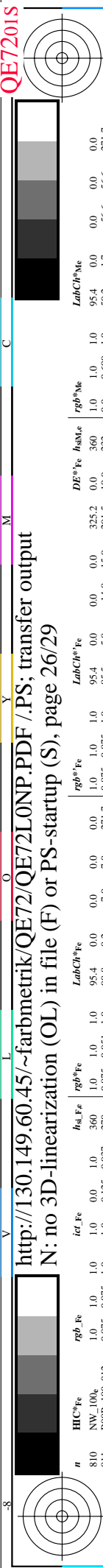
QE720-7N; Page 25/29-F

I-013240-F0 I-013240-F0

TUB registration: 20130201-QE72/QE72LONP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

see similar files: http://130.149.60.45/~farbmetrik/QE72/QE72.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



Main data table with columns: n, HHC*Fe, rpb*Fe, icr*Fe, Hs*Fe, rpb*Fe, LabC*Fe, LabCH*Fe, rpb*Fe, rpb*Fe, DF*Fe, Hs*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe, delta E* = 27.1

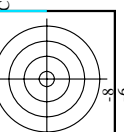
QE720-TN; Page 26/29-F

TUB-test chart QE72; hue code: H*e=G00Be colors and differences, ΔE*

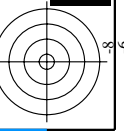
input: rgb/cmyk -> rgbe output: transfer to rgbe

Mean color difference of this page:

delta E* = 27.1



Main data table with columns: n, H/C/Fc, Rgb/Fc, Ict/Fc, Hs/Fc, Rgb/Fc, LabC/Hc/Fc, Ict/Fc, Hs/Fc, Rgb/Fc, LabC/Hc/Fc, Rgb/Fc, DF*F, Hs/Mc, Rgb/Mc, LabC/Hc/Fc, Ict/Fc, Hs/Fc, Rgb/Fc, LabC/Hc/Fc. The table contains 971 rows of color calibration data.



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

TUB-test chart QE72; hue code: H*e=G00Be colors and differences, ΔE*

Mean color difference of this page: delta E* = 22.0

TUB registration: 20130201-QE72/QE72L0NP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

Table with 15 columns: n, HC*Fe, rpb*Fe, iet*Fe, ihs*Fe, rrgb*Fe, LabC*H*Fe, LabC*H*Fe, LabC*H*Fe, LabC*H*Fe, LabC*H*Fe, LabC*H*Fe, LabC*H*Fe, LabC*H*Fe, LabC*H*Fe. Rows 972-1052.

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

TUB-test chart QE72; hue code: H*_e=G00B_e colors and differences, ΔE*_*

TUB registration: 20130201-QE72/QE72L0NP.PDF /.PS application for measurement of display output, no separation

TUB material: code=rha4ta

n	HC*Fe	rgb_Fe	iet_Fe	hsa_Fe	rgb*Fe	LabCH*Fe	LabCH**Fe	DF*Fe	hsM_e	rgb**Me	LabCH**Me
1053	NW_086e	0.866	0.866	0.866	0.866	82.6	83.9	0.0	360	1.0	95.4
1054	NW_093e	0.933	0.933	0.933	0.933	89.0	89.7	0.0	360	1.0	95.4
1055	NW_100e	1.0	1.0	1.0	1.0	95.4	95.4	0.0	360	1.0	95.4
1056	NW_006e	0.066	0.066	0.066	0.066	6.2	6.2	0.0	360	1.0	95.4
1057	NW_013e	0.133	0.133	0.133	0.133	12.6	12.9	0.0	360	1.0	95.4
1058	NW_020e	0.2	0.2	0.2	0.2	19.0	19.7	0.0	360	1.0	95.4
1059	NW_026e	0.266	0.266	0.266	0.266	25.3	27.0	0.0	360	1.0	95.4
1060	NW_033e	0.333	0.333	0.333	0.333	31.7	34.0	0.0	360	1.0	95.4
1061	NW_040e	0.4	0.4	0.4	0.4	38.1	40.8	0.0	360	1.0	95.4
1062	NW_046e	0.466	0.466	0.466	0.466	44.4	47.3	0.0	360	1.0	95.4
1063	NW_053e	0.533	0.533	0.533	0.533	50.8	53.7	0.0	360	1.0	95.4
1064	NW_059e	0.593	0.593	0.593	0.593	57.2	60.1	0.0	360	1.0	95.4
1065	NW_066e	0.666	0.666	0.666	0.666	63.5	66.1	0.0	360	1.0	95.4
1066	NW_073e	0.734	0.734	0.734	0.734	70.0	72.3	0.0	360	1.0	95.4
1067	NW_080e	0.8	0.8	0.8	0.8	76.3	78.1	0.0	360	1.0	95.4
1068	NW_086e	0.866	0.866	0.866	0.866	82.6	85.9	0.0	360	1.0	95.4
1069	NW_093e	0.933	0.933	0.933	0.933	89.0	92.7	0.0	360	1.0	95.4
1070	NW_100e	1.0	1.0	1.0	1.0	95.4	95.4	0.0	360	1.0	95.4
1071	NW_006e	0.0	0.0	0.0	0.0	6.2	6.2	0.0	360	1.0	95.4
1072	NW_013e	0.0	0.0	0.0	0.0	12.6	12.9	0.0	360	1.0	95.4
1073	NW_020e	0.0	0.0	0.0	0.0	19.0	19.7	0.0	360	1.0	95.4
1074	ROY_100_100e	1.0	1.0	1.0	1.0	95.4	95.4	0.0	360	1.0	95.4
1075	G50B_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4
1076	Y06C_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4
1077	B06C_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4
1078	B08C_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4
1079	B50R_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4

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

http://130.149.60.45/~farbmetrik/QE72/QE72L0NP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 29/29

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

TUB-test chart QE72; hue code: H*_e=G00B_e colors and differences, ΔE**