

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

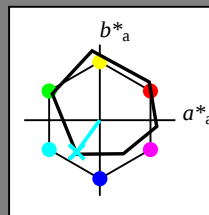
Data for any device (d) or elementary (e) colour:

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-,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):

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

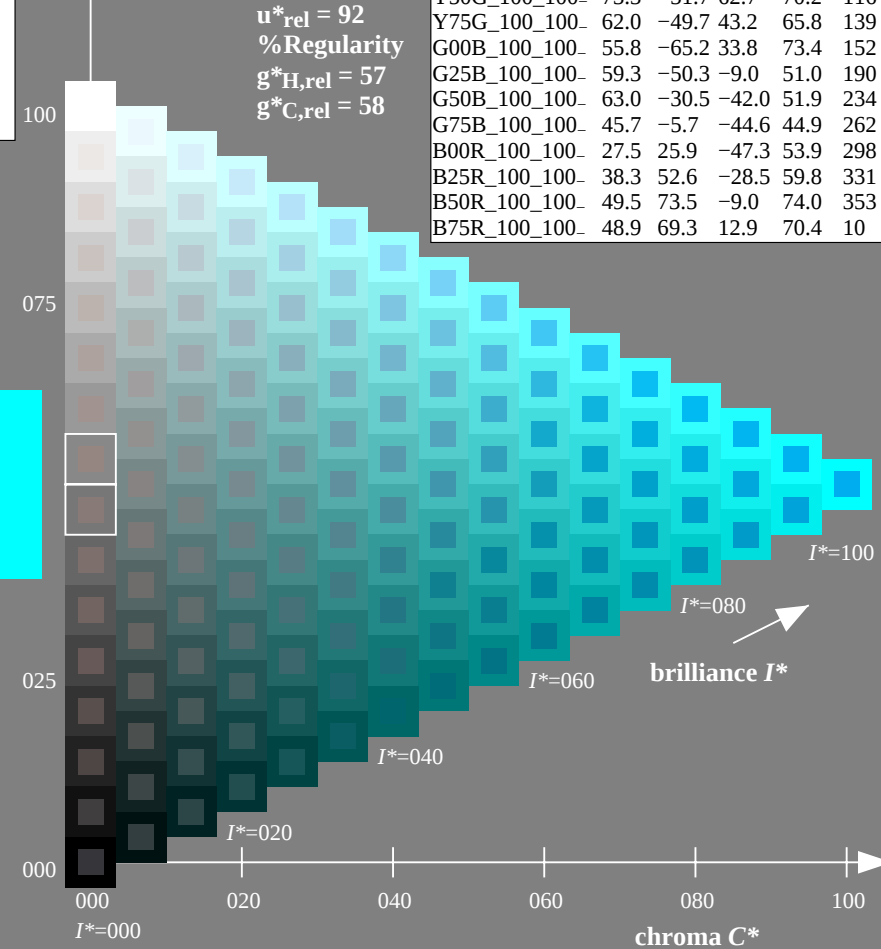
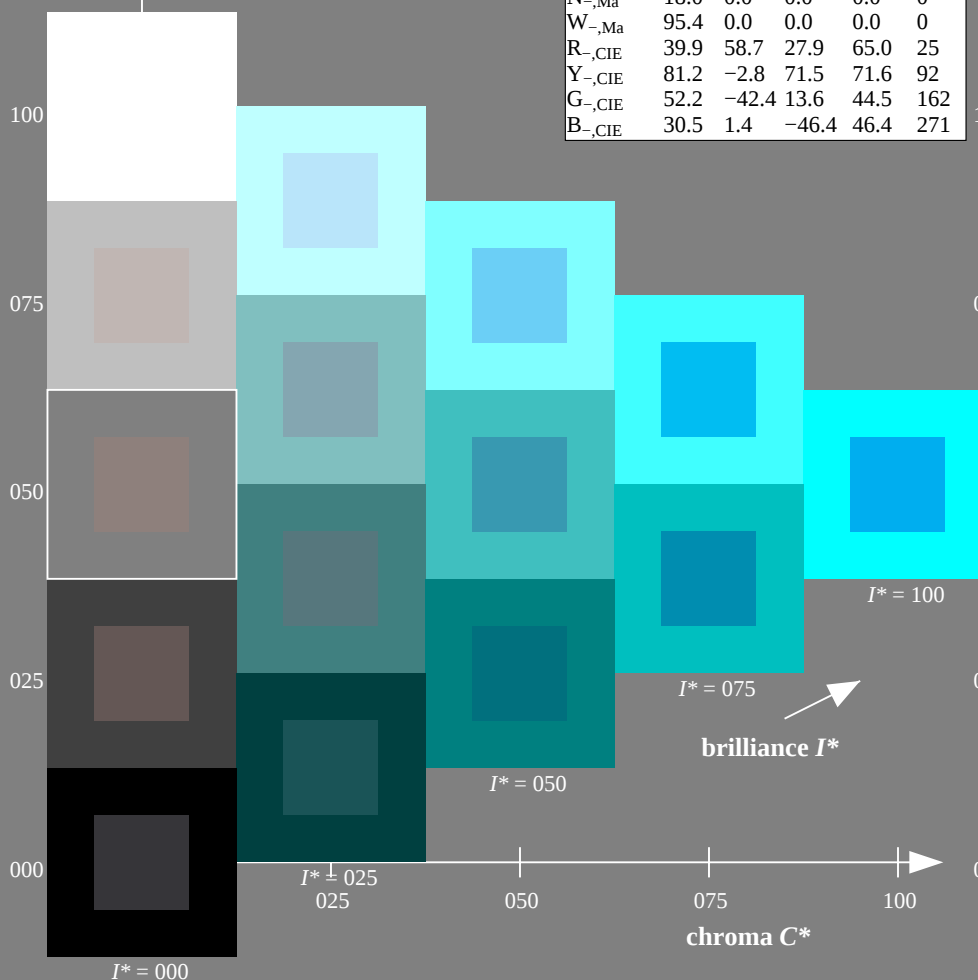
$u^*_{rel} = 92$

% 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



TUB-test chart QE95; hue code: $H^*_- = G50B_-$
Test chart according to DIN 33872, 3D=1, de=1, $cm\dot{y}k^*$

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

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

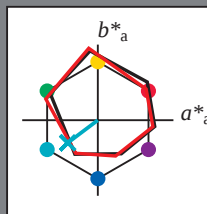
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = G50B_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_e, Ma	47.6	64.9	30.9	71.9	25
Y_e, Ma	82.9	-3.5	87.8	87.9	92
G_e, Ma	52.4	-67.1	21.5	70.5	162
C_e, Ma	56.6	-39.7	-29.9	49.8	216
B_e, Ma	37.9	1.3	-45.4	45.4	271
M_e, Ma	34.8	49.2	-30.0	57.7	328
N_e, Ma	17.7	0.0	0.0	0.0	0
W_e, Ma	95.4	0.0	0.0	0.0	0
R_e, CIE	39.9	58.7	27.9	65.0	25
Y_e, CIE	81.2	-2.8	71.5	71.6	92
G_e, CIE	52.2	-42.4	13.6	44.5	162
B_e, CIE	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_e, Ma$: 56 -39 -29 49 216

HIC^*_e, Ma : G50B_100_100_e

$rgbic^*_e, Ma$:

0.0 1.0 0.73 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

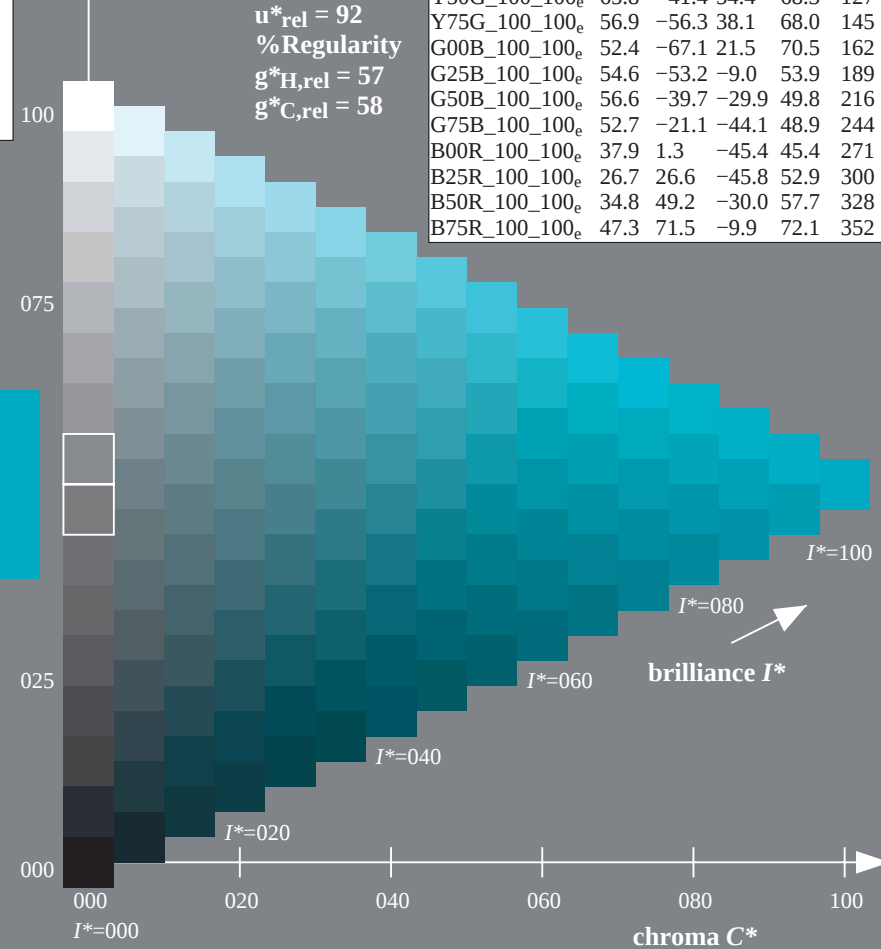
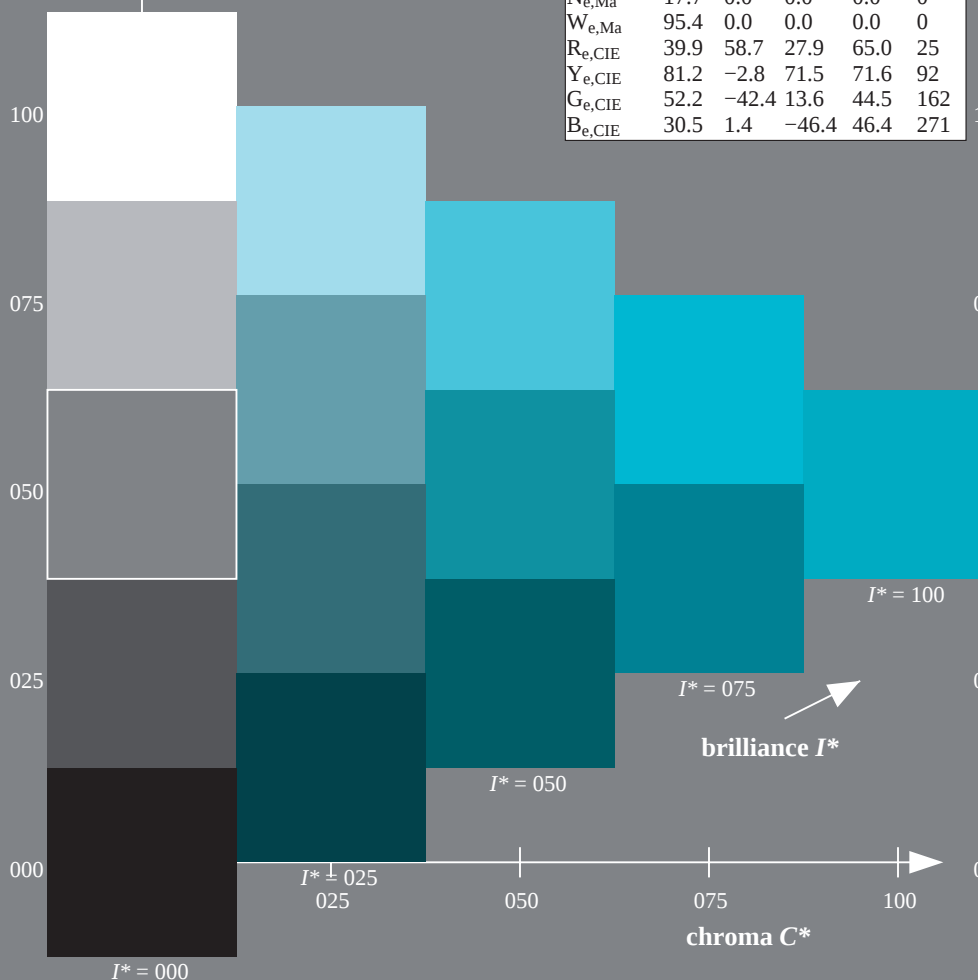
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_100_100_e$	47.6	64.9	30.9	71.9	25
$R25Y_100_100_e$	51.5	54.2	47.2	71.9	41
$R50Y_100_100_e$	60.3	35.6	59.0	68.9	58
$R75Y_100_100_e$	70.4	17.0	72.2	74.1	76
$Y00G_100_100_e$	82.9	-3.5	87.8	87.9	92
$Y25G_100_100_e$	76.9	-25.5	75.9	80.1	108
$Y50G_100_100_e$	65.8	-41.4	54.4	68.3	127
$Y75G_100_100_e$	56.9	-56.3	38.1	68.0	145
$G00B_100_100_e$	52.4	-67.1	21.5	70.5	162
$G25B_100_100_e$	54.6	-53.2	-9.0	53.9	189
$G50B_100_100_e$	56.6	-39.7	-29.9	49.8	216
$G75B_100_100_e$	52.7	-21.1	-44.1	48.9	244
$B00R_100_100_e$	37.9	1.3	-45.4	45.4	271
$B25R_100_100_e$	26.7	26.6	-45.8	52.9	300
$B50R_100_100_e$	34.8	49.2	-30.0	57.7	328
$B75R_100_100_e$	47.3	71.5	-9.9	72.1	352



TUB-test chart QE95; hue code: $H^*_e = G50B_e$
Test chart according to DIN 33872, 3D=1, de=1, $cm\dot{y}k^*$

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

Input and Output: Offset Reflective System ORS18a for relative CIE LAB hue $h_{ab,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

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^*

Data for maximum colour (Ma):

$LabCh^*_eMa$: 56 -39 -29 49 216

HIC^*_eMa : G50B_100_100_e

$rgbic^*_eMa$:

0.0 1.0 0.73 1.0 1.0

triangle lightness T^*

%Gamut

$u^*_{rel} = 92$

%Regularity

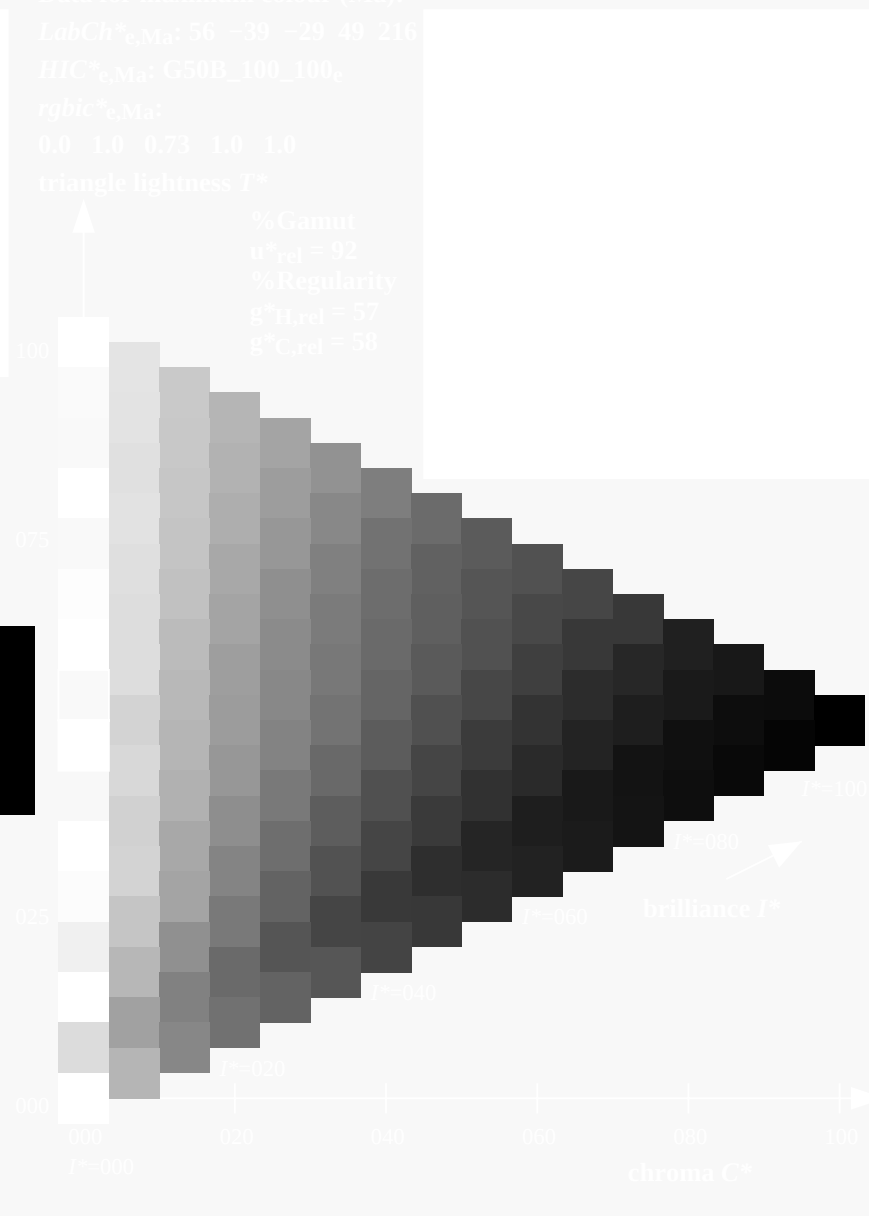
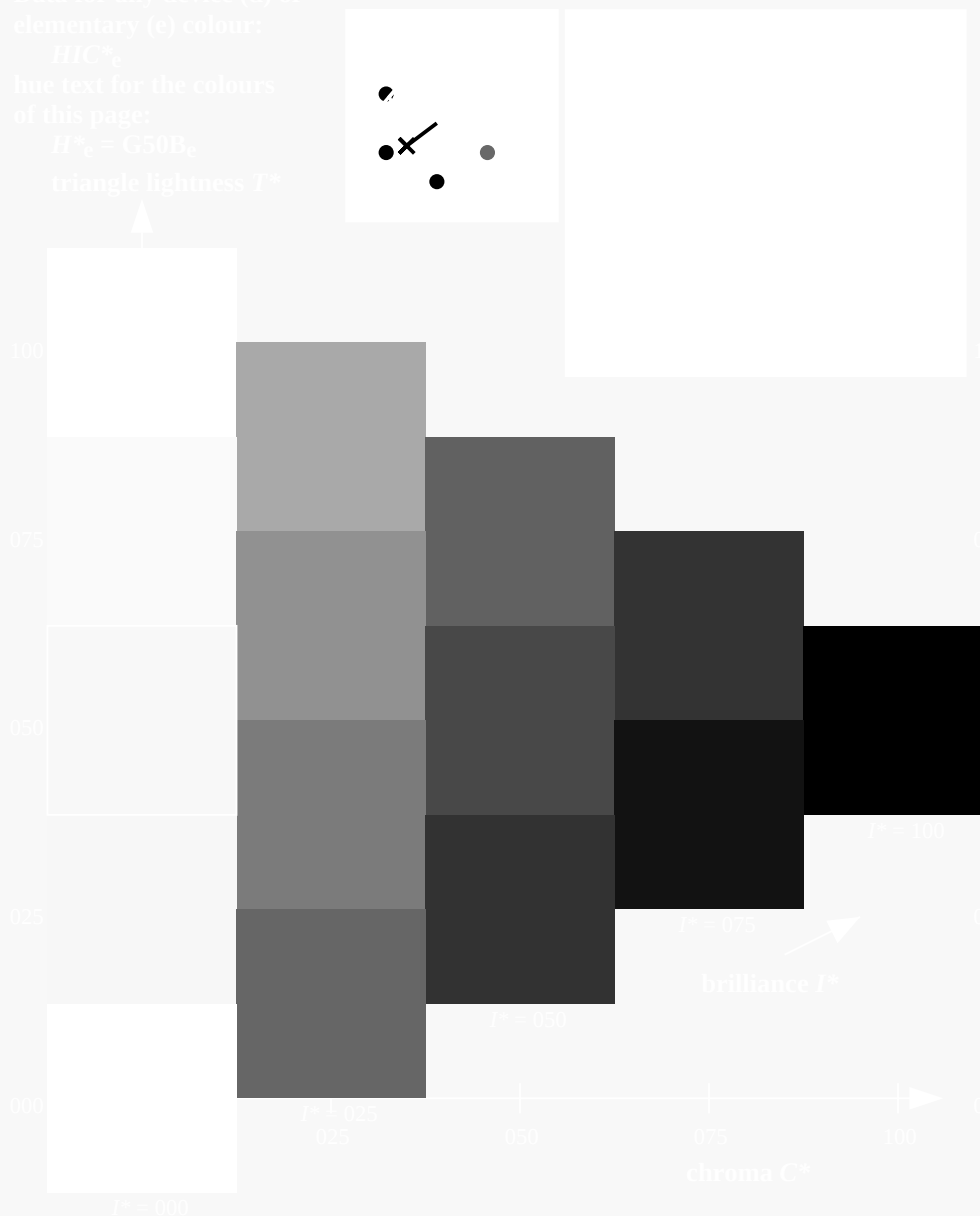
$g^*H_{rel} = 57$

$g^*C_{rel} = 58$

see similar files: <http://130.149.60.45/~farbmetrik/QE95/QE95L0FP.PDF> /.PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE95/QE95L0FP.PDF /.PS
application for measurement of offset print output, separation cmyk* (CMYK)

TUB material: code=rha4ta



1-113230-L0 QE950-73

TUB-test chart QE95; hue code: $H^*_e = G50B_e$
Test chart according to DIN 33872, 3D=1, de=1, cmyk*

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

1-113230-E0

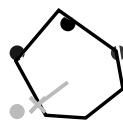
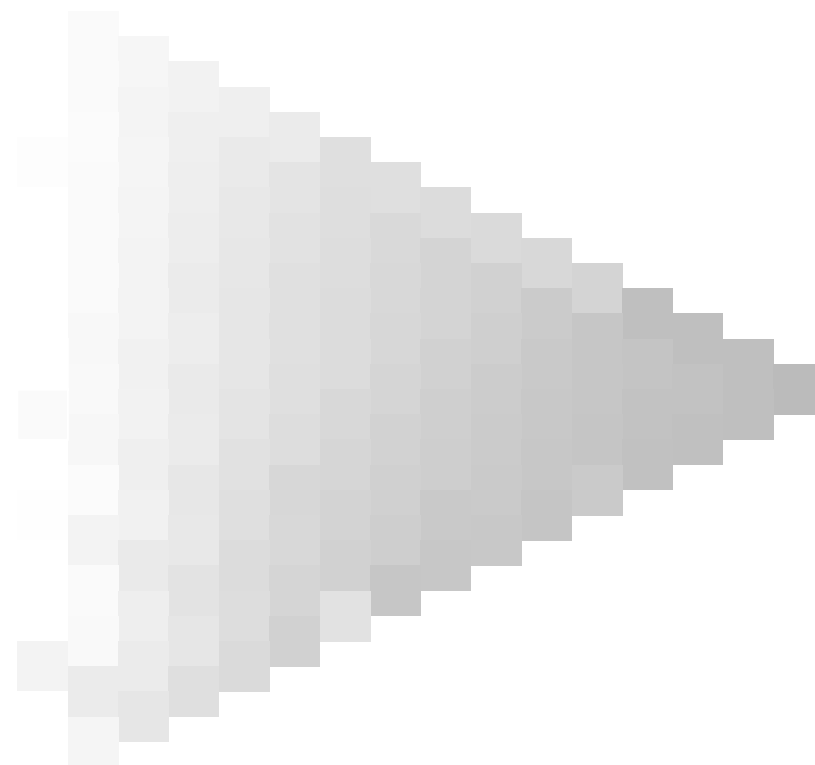
TUB registration: 20130201-QE95/QE95L0FP.PDF /.PS
application for measurement of offset print output, separation cmyk6* (CMYK)

TUB material: code=rha4ta

1-113330-L0 QE950-73
TUB-test chart QE95; hue code: $H^*_e = G50B_e$
Test chart according to DIN 33872, 3D=1, de=1, cmyk*

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

see similar files: <http://130.149.60.45/~farbmetrik/QE95/QE95.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

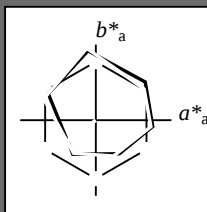
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = G50B_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_e, Ma	47.6	64.9	30.9	71.9	25
Y_e, Ma	82.9	-3.5	87.8	87.9	92
G_e, Ma	52.4	-67.1	21.5	70.5	162
C_e, Ma	56.6	-39.7	-29.9	49.8	216
B_e, Ma	37.9	1.3	-45.4	45.4	271
M_e, Ma	34.8	49.2	-30.0	57.7	328
N_e, Ma	17.7	0.0	0.0	0.0	0
W_e, Ma	95.4	0.0	0.0	0.0	0
R_e, CIE	39.9	58.7	27.9	65.0	25
Y_e, CIE	81.2	-2.8	71.5	71.6	92
G_e, CIE	52.2	-42.4	13.6	44.5	162
B_e, CIE	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_e, Ma: 56 \ -39 \ -29 \ 49 \ 216$

$HIC^*_e, Ma: G50B_100_100_e$

$rgbic^*_e, Ma:$

0.0 1.0 0.73 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

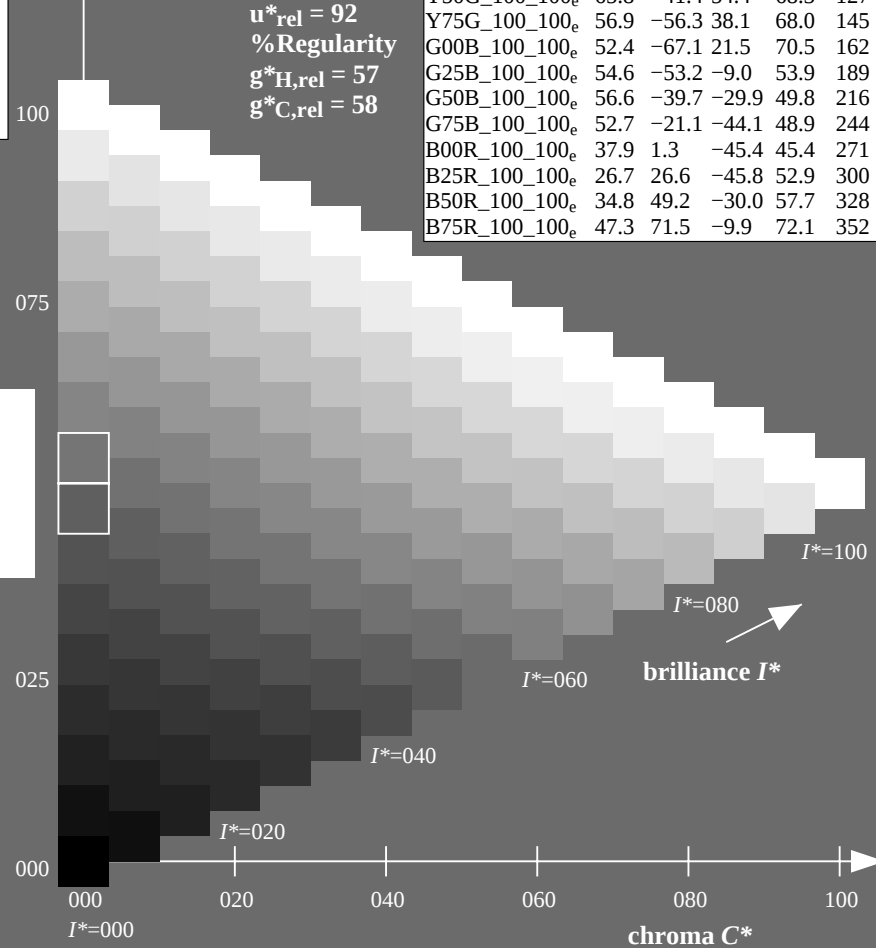
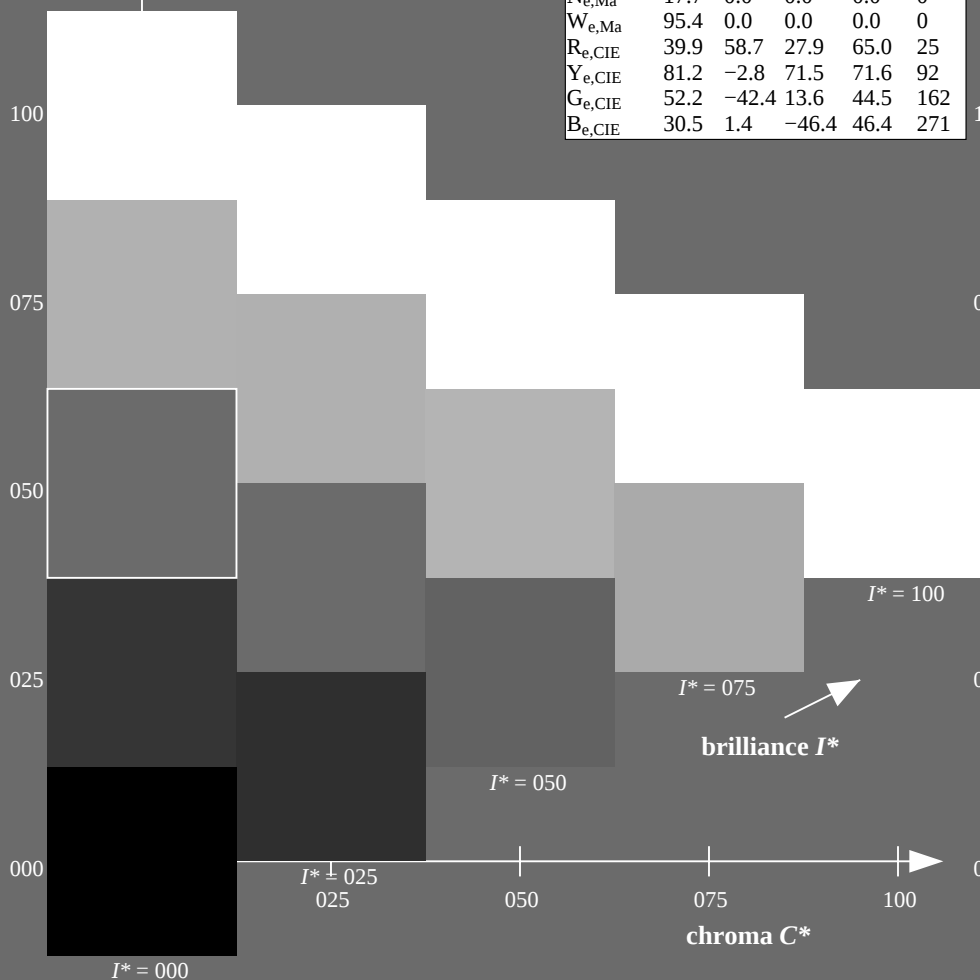
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_100_100_e$	47.6	64.9	30.9	71.9	25
$R25Y_100_100_e$	51.5	54.2	47.2	71.9	41
$R50Y_100_100_e$	60.3	35.6	59.0	68.9	58
$R75Y_100_100_e$	70.4	17.0	72.2	74.1	76
$Y00G_100_100_e$	82.9	-3.5	87.8	87.9	92
$Y25G_100_100_e$	76.9	-25.5	75.9	80.1	108
$Y50G_100_100_e$	65.8	-41.4	54.4	68.3	127
$Y75G_100_100_e$	56.9	-56.3	38.1	68.0	145
$G00B_100_100_e$	52.4	-67.1	21.5	70.5	162
$G25B_100_100_e$	54.6	-53.2	-9.0	53.9	189
$G50B_100_100_e$	56.6	-39.7	-29.9	49.8	216
$G75B_100_100_e$	52.7	-21.1	-44.1	48.9	244
$B00R_100_100_e$	37.9	1.3	-45.4	45.4	271
$B25R_100_100_e$	26.7	26.6	-45.8	52.9	300
$B50R_100_100_e$	34.8	49.2	-30.0	57.7	328
$B75R_100_100_e$	47.3	71.5	-9.9	72.1	352



TUB-test chart QE95; hue code: $H^*_e = G50B_e$
Test chart according to DIN 33872, 3D=1, de=1, $cm\dot{y}k^*$

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

Data of Maximum color M in colorimetric system Offset standard print; separation cmy6*, 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 $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; 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

$LCH^*_d = 88.3 \ 95.8 \ 97.1$
 $LAB^*_d = 88.3 \ -11.9 \ 95.1$
 $rgb^*_d = 1.0 \ 1.0 \ 0.0$

$L=G_d$ leaf-green

$LCH^*_d = 51.9 \ 74.3 \ 157.7$
 $LAB^*_d = 51.9 \ -68.8 \ 28.1$
 $rgb^*_d = 0.0 \ 1.0 \ 0.0$

$C=C_d$ cyan-blue

$LCH^*_d = 58.3 \ 52.6 \ 236.1$
 $LAB^*_d = 58.3 \ -29.2 \ -43.7$
 $rgb^*_d = 0.0 \ 1.0 \ 1.0$

$O=R_d$ orange-red

$LCH^*_d = 47.3 \ 76.0 \ 32.8$
 $LAB^*_d = 47.3 \ 63.8 \ 41.2$
 $rgb^*_d = 1.0 \ 0.0 \ 0.0$

$M=M_d$ magenta-red

$LCH^*_d = 48.2 \ 73.3 \ 353.3$
 $LAB^*_d = 48.2 \ 72.8 \ -8.5$
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

$V=B_d$ violet-blue

$LCH^*_d = 25.3 \ 52.8 \ 296.4$
 $LAB^*_d = 25.3 \ 23.5 \ -47.3$
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

Y_e yellow

$LCH^*_e = 82.9 \ 87.9 \ 92.3$
 $LAB^*_e = 82.9 \ -3.5 \ 87.8$
 $rgb^*_{de} = 1.0 \ 0.841 \ 0.0$

G_e green

$LCH^*_e = 52.4 \ 70.5 \ 162.2$
 $LAB^*_e = 52.4 \ -67.1 \ 21.5$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.093$

C_e blue-green

$LCH^*_e = 56.6 \ 49.8 \ 216.9$
 $LAB^*_e = 56.6 \ -39.7 \ -29.9$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.735$

B_e blue

$LCH^*_e = 37.9 \ 45.4 \ 271.7$
 $LAB^*_e = 37.9 \ 1.3 \ -45.4$
 $rgb^*_{de} = 0.0 \ 0.374 \ 1.0$

R_e red

$LCH^*_e = 47.6 \ 71.9 \ 25.4$
 $LAB^*_e = 47.6 \ 64.9 \ 30.9$
 $rgb^*_{de} = 1.0 \ 0.0 \ 0.209$

M_e blue-red

$LCH^*_e = 34.8 \ 57.7 \ 328.6$
 $LAB^*_e = 34.8 \ 49.2 \ -30.0$
 $rgb^*_{de} = 0.407 \ 0.0 \ 1.0$

Y_s yellow

$LCH^*_s = 80.6 \ 84.9 \ 90.0$
 $LAB^*_s = 80.6 \ 0.0 \ 84.9$
 $rgb^*_{ds} = 1.0 \ 0.784 \ 0.0$

G_s green

$LCH^*_s = 55.1 \ 70.1 \ 150.0$
 $LAB^*_s = 55.1 \ -60.7 \ 35.0$
 $rgb^*_{ds} = 0.074 \ 1.0 \ 0.0$

C_s blue-green

$LCH^*_s = 56.1 \ 50.0 \ 210.0$
 $LAB^*_s = 56.1 \ -43.3 \ -25.0$
 $rgb^*_{ds} = 0.0 \ 1.0 \ 0.665$

B_s blue

$LCH^*_s = 38.8 \ 45.4 \ 270.0$
 $LAB^*_s = 38.8 \ 0.0 \ -45.4$
 $rgb^*_{ds} = 0.0 \ 0.397 \ 1.0$

R_s red

$LCH^*_s = 47.4 \ 74.2 \ 30.0$
 $LAB^*_s = 47.4 \ 64.3 \ 37.1$
 $rgb^*_{ds} = 1.0 \ 0.0 \ 0.084$

M_s blue-red

$LCH^*_s = 35.6 \ 58.3 \ 330.0$
 $LAB^*_s = 35.6 \ 50.5 \ -29.1$
 $rgb^*_{ds} = 0.431 \ 0.0 \ 1.0$

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

1. For the rgb^*_e -input values the CIELAB data LCH^*_e and LAB^*_e have been calculated.

2. For the calculation of the standard hue angle $h_{ab,s}$ use for any device values rgb^*_e the equation:

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

3. 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 : $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:

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

$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$

4. 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 : $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:

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

$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$

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.

6. The values rgb^*_{de} produce the output of the device-independent elementary hues

1-113630-L0 QE950-73 LAB*La0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

TUB-test chart QE95; hue code: $H^*_e=G50B_e$
48 step hue circles; $rgb-LabCh^*$ -tables

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

Output: Offset standard print; separation cmy6*, D65, page 7/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmycn6*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM_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: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours RYGBCM_e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Six hue angles of the device colours RYGBM _d : $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; 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^*	LAB^*	rgb^*	LAB^*	rgb^*	LAB^*	rgb^*	LAB^*
			dd64M	ddx64M (x=LabCh)	ddx361M	ddx361M (x=LabCh)	dsx361M	dsx361M (x=LabCh)	dex361M	dex361M
32.8	30.0	25.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
40.4	37.5	33.8	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4
50.0	45.0	42.1	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0
61.1	52.5	50.5	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1
71.4	60.0	58.8	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
81.7	67.5	67.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7
88.5	75.0	75.6	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5
93.6	82.5	83.9	1.0	0.875	0.0	84.2	-5.7	89.4	89.6	93.6
97.1	90.0	92.3	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97.1
100.3	97.5	101.0	0.875	1.0	0.0	85.8	-16.2	88.6	90.0	100.3
103.3	105.0	109.7	0.75	1.0	0.0	82.9	-19.7	83.0	85.3	103.3
108.3	112.5	118.5	0.625	1.0	0.0	77.0	-25.2	76.3	80.4	108.3
115.3	120.0	127.2	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115.3
122.4	127.5	136.0	0.375	1.0	0.0	68.9	-36.9	58.1	68.8	122.4
134.9	135.0	144.7	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134.9
144.6	142.5	153.4	0.125	1.0	0.0	57.4	-54.9	38.9	67.3	144.6
157.7	150.0	162.2	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157.7
163.7	157.5	169.0	0.0	1.0	0.125	52.5	-66.4	19.3	69.1	163.7
170.9	165.0	175.9	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170.9
181.0	172.5	182.7	0.0	1.0	0.375	54.1	-56.9	-1.0	56.9	181.0
193.5	180.0	189.6	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193.5
205.9	187.5	196.4	0.0	1.0	0.625	55.8	-45.1	-21.9	50.1	205.9
218.4	195.0	203.2	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218.4
227.3	202.5	210.1	0.0	1.0	0.875	57.5	-34.3	-37.2	50.6	227.3
236.1	210.0	216.9	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236.1
240.3	217.5	223.8	0.0	0.875	1.0	55.2	-25.0	-43.9	50.5	240.3
245.8	225.0	230.6	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245.8
252.5	232.5	237.5	0.0	0.625	1.0	47.7	-13.9	-44.4	46.5	252.5
262.3	240.0	244.3	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262.3
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	-45.4	45.4	271.7
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281.6
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	-46.9	50.1	290.3
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296.4
306.7	277.5	278.8	0.125	0.0	1.0	29.3	31.8	-42.6	53.1	306.7
312.7	285.0	285.9	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312.7
326.7	292.5	293.0	0.375	0.0	1.0	33.8	47.6	-31.2	56.9	326.7
333.9	300.0	300.1	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333.9
339.6	307.5	307.2	0.625	0.0	1.0	40.9	58.8	-21.8	62.7	339.6
347.2	315.0	314.3	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347.2
350.2	322.5	321.4	0.875	0.0	1.0	45.9	69.4	-11.9	70.5	350.2
353.3	330.0	328.6	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	353.3
356.5	337.5	335.7	1.0	0.0	0.875	48.2	71.6	-4.3	71.7	356.5
360.3	345.0	342.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3
365.8	352.5	349.9	1.0	0.0	0.625	48.0	68.9	7.1	69.3	365.8
371.6	360.0	357.0	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371.6
378.2	367.5	364.1	1.0	0.0	0.375	47.7	66.1	21.8	69.6	378.2
383.9	375.0	371.2	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383.9
388.6	382.5	378.3	1.0	0.0	0.125	47.4	64.4	35.1	73.4	388.6
392.8	390.0	385.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392.8

Data of Maximum color M in colorimetric system Offset standard print; separation cmyrn6*, 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 $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	$LAB^*_{dd64M}(x=LabCh)$	$rgb^*_{dex361M}$	$LAB^*_{dex361M}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}													
32.8	30.0	25.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	32.8	1.0	0.0	0.209	47.6	64.9	30.9	71.9	25			
40.4	37.5	33.8	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4	40.4	1.0	0.007	0.0	47.6	63.4	41.6	75.8	33			
50.0	45.0	42.1	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0	50.0	1.0	0.148	0.0	52.1	53.0	48.1	71.6	42			
61.1	52.5	50.5	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1	61.1	1.0	0.25	0.0	56.0	44.5	53.0	69.2	49			
71.4	60.0	58.8	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	71.4	1.0	0.35	0.0	60.3	35.6	59.0	69.0	58			
81.7	67.5	67.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7	81.7	1.0	0.442	0.0	64.5	27.8	64.5	70.2	66			
88.5	75.0	75.6	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5	88.5	1.0	0.55	0.0	69.8	18.3	71.3	73.6	75			
93.6	82.5	83.9	1.0	0.875	0.0	84.2	-5.7	89.4	89.6	93.6	93.6	1.0	0.655	0.0	75.0	9.0	77.9	78.5	83			
97.1	90.0	92.3	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97.1	97.1	1.0	0.842	0.0	83.0	-3.4	87.8	87.9	92			
100.3	97.5	101.0	0.875	1.0	0.0	85.8	-16.2	88.6	90.0	100.3	100.3	0.871	1.0	0.0	85.8	-16.2	88.4	89.9	100			
103.3	105.0	109.7	0.75	1.0	0.0	82.9	-19.7	83.0	85.3	103.3	103.3	0.599	1.0	0.0	76.2	-26.6	74.3	78.9	109			
108.3	112.5	118.5	0.625	1.0	0.0	77.0	-25.2	76.3	80.4	108.3	108.3	0.455	1.0	0.0	71.4	-33.4	63.2	71.6	117			
115.3	120.0	127.2	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115.3	115.3	0.327	1.0	0.0	65.8	-41.3	54.4	68.4	127			
122.4	127.5	136.0	0.375	1.0	0.0	68.9	-36.9	58.1	68.8	122.4	122.4	0.244	1.0	0.0	60.7	-48.1	47.5	67.6	135			
134.9	135.0	144.7	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134.9	134.9	0.124	1.0	0.0	57.4	-54.9	38.9	67.4	144			
144.6	142.5	153.4	0.125	1.0	0.0	57.4	-54.9	38.9	67.3	144.6	144.6	0.047	1.0	0.0	54.0	-63.8	32.7	71.7	152			
157.7	150.0	162.2	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157.7	157.7	0.0	1.0	0.093	52.4	-67.0	21.5	70.5	162			
163.7	157.5	169.0	0.0	1.0	0.125	52.5	-66.4	19.3	69.1	163.7	163.7	0.0	1.0	0.209	53.1	-63.5	12.8	64.9	168			
170.9	165.0	175.9	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170.9	170.9	0.0	1.0	0.311	53.7	-59.7	4.3	59.9	175			
181.0	172.5	182.7	0.0	1.0	0.375	54.1	-56.9	-1.0	56.9	181.0	181.0	0.0	1.0	0.387	54.2	-56.4	-2.2	56.5	182			
193.5	180.0	189.6	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193.5	193.5	0.0	1.0	0.46	54.6	-53.1	-8.9	54.0	189			
205.9	187.5	196.4	0.0	1.0	0.625	55.8	-45.1	-21.9	50.1	205.9	205.9	0.0	1.0	0.524	55.0	-50.0	-14.3	52.1	195			
218.4	195.0	203.2	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218.4	218.4	0.0	1.0	0.598	55.6	-46.5	-19.9	50.7	203			
227.3	202.5	210.1	0.0	1.0	0.875	57.5	-34.3	-37.2	50.6	227.3	227.3	0.0	1.0	0.662	56.1	-43.4	-24.7	50.1	209			
236.1	210.0	216.9	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236.1	236.1	0.0	1.0	0.736	56.7	-39.7	-29.9	49.8	216			
240.3	217.5	223.8	0.0	0.875	1.0	55.2	-25.0	-43.9	50.5	240.3	240.3	0.0	1.0	0.819	57.2	-36.4	-34.4	50.3	223			
245.8	225.0	230.6	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245.8	245.8	0.0	1.0	0.922	57.9	-32.5	-39.7	51.4	230			
252.5	232.5	237.5	0.0	0.625	1.0	47.7	-13.9	-44.4	46.5	252.5	252.5	0.0	0.974	1.0	57.7	-28.3	-43.7	52.2	237			
262.3	240.0	244.3	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262.3	262.3	0.0	0.785	1.0	52.7	-21.1	-44.1	49.0	244			
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	-45.4	45.4	271.7	271.7	0.0	0.659	1.0	48.9	-15.4	-44.3	47.1	250			
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281.6	281.6	0.0	0.555	1.0	45.0	-9.4	-44.8	45.9	258			
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	-46.9	50.1	290.3	290.3	0.0	0.472	1.0	41.7	-4.3	-45.1	45.4	264			
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296.4	296.4	0.0	0.375	1.0	37.9	1.4	-45.3	45.5	271			
306.7	277.5	278.8	0.125	0.0	1.0	29.3	31.8	-42.6	53.1	306.7	306.7	0.0	0.291	1.0	34.9	6.8	-45.9	46.5	278			
312.7	285.0	285.9	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312.7	312.7	0.0	0.188	1.0	31.0	13.3	-46.6	48.5	285			
326.7	292.5	293.0	0.375	0.0	1.0	33.8	47.6	-31.2	56.9	326.7	326.7	0.0	0.079	1.0	27.4	19.6	-47.1	51.1	292			
333.9	300.0	300.1	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333.9	333.9	0.046	0.0	1.0	26.8	26.6	-45.7	53.0	300			
339.6	307.5	307.2	0.625	0.0	1.0	40.9	58.8	-21.8	62.7	339.6	339.6	0.067	0.126	1.0	29.4	31.9	-42.5	53.2	306			
347.2	315.0	314.3	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347.2	347.2	0.265	0.0	1.0	31.8	37.7	-38.4	53.8	314			
350.2	322.5	321.4	0.875	0.0	1.0	45.9	69.4	-11.9	70.5	350.2	350.2	0.324	0.0	1.0	32.9	43.2	-34.8	55.5	321			
353.3	330.0	328.6	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	353.3	353.3	0.407	0.0	1.0	34.9	49.3	-30.0	57.7	328			
356.5	337.5	335.7	1.0	0.0	0.875	48.2	71.6	-4.3	71.7	356.5	356.5	0.529	0.0	1.0	38.6	55.0	-25.3	60.6	335			
360.3	345.0	342.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3	360.3	0.678	0.0	1.0	41.9	61.9	-19.0	64.8	342			
365.8	352.5	349.9	1.0	0.0	0.625	48.0	68.9	7.1	69.3	365.8	365.8	0.842	0.0	1.0	45.2	68.6	-12.7	69.8	349			
371.6	360.0	357.0	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371.6	371.6	0.949	0.0	1.0	47.3	71.5	-9.9	72.2	352			
378.2	367.5	364.1	1.0	0.0	0.375	47.7	66.1	21.8	69.6	378.2	378.2	1.0	0.0	0.765	48.2	70.6	-0.1	70.6	359			
383.9	375.0	371.2	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383.9	383.9	1.0	0.0	0.563	47.9	68.4	10.6	69.2	368			
388.6	382.5	378.3	1.0	0.0	0.125	47.4	64.4	35.1	73.4	388.6	388.6	1.0	0.0	0.408	47.8	66.7	19.8	69.6	376			
392.8	390.0	385.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392.8	392.8	1.0	0.0	0.209	47.6	64.9	30.9	71.9	385			

1-113830-L0

QE950-73

LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyrn6*, D65, page 9/33

TUB-test chart QE95; hue code: $H^*_e=G50B_e$
48 step hue circles; $rgb-LabCh^*$ tables

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

TUB registration: 20130201-QE95/QE95L0FP.PDF /.PS
application for measurement of offset print output, separation cmyrn6* (CMYK)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyrn6*, 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: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; 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}	$LAB^*_{dd361M}(x=LabCh)$	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}(x=LabCh)$	R_s	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}(x=LabCh)$	R_e	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
32	30	25	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32	1.0	0.0	0.0	0.0	0.0
33	31	26	1.0	0.016	0.0	47.8	62.7	42.0	75.4	33	1.0	0.0	0.017	0.0	0.0
34	32	27	1.0	0.033	0.0	48.3	61.5	42.8	74.9	34	1.0	0.0	0.033	0.0	0.0
35	33	28	1.0	0.05	0.0	48.9	60.3	43.6	74.4	35	1.0	0.0	0.05	0.0	0.0
36	34	29	1.0	0.066	0.0	49.4	59.1	44.3	73.9	36	1.0	0.0	0.067	0.0	0.0
37	35	31	1.0	0.083	0.0	49.9	57.9	45.1	73.4	37	1.0	0.0	0.083	0.0	0.0
38	36	32	1.0	0.1	0.0	50.4	56.7	45.7	72.9	38	1.0	0.0	0.1	0.0	0.0
39	37	33	1.0	0.116	0.0	50.9	55.5	46.4	72.3	39	1.0	0.0	0.117	0.0	0.0
41	38	34	1.0	0.133	0.0	51.5	54.2	47.2	71.9	41	1.0	0.0	0.133	0.0	0.0
42	39	35	1.0	0.15	0.0	52.1	52.8	48.1	71.5	42	1.0	0.0	0.15	0.0	0.0
43	40	36	1.0	0.166	0.0	52.8	51.4	49.0	71.1	43	1.0	0.0	0.167	0.0	0.0
44	41	37	1.0	0.183	0.0	53.4	50.1	49.9	70.7	44	1.0	0.0	0.183	0.0	0.0
46	42	38	1.0	0.2	0.0	54.1	48.7	50.7	70.3	46	1.0	0.0	0.2	0.0	0.0
47	43	39	1.0	0.216	0.0	54.7	47.3	51.5	69.9	47	1.0	0.0	0.217	0.0	0.0
48	44	41	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48	1.0	0.0	0.233	0.0	0.0
50	45	42	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50	1.0	0.0	0.25	0.0	0.0
51	46	43	1.0	0.266	0.0	56.7	43.0	54.1	69.1	51	1.0	0.0	0.267	0.0	0.0
52	47	44	1.0	0.283	0.0	57.4	41.5	55.1	69.1	52	1.0	0.0	0.283	0.0	0.0
54	48	45	1.0	0.3	0.0	58.2	40.1	56.2	69.0	54	1.0	0.0	0.3	0.0	0.0
55	49	46	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55	1.0	0.0	0.317	0.0	0.0
57	50	47	1.0	0.333	0.0	59.6	37.1	58.1	69.0	57	1.0	0.0	0.333	0.0	0.0
58	51	48	1.0	0.35	0.0	60.3	35.5	59.0	68.9	58	1.0	0.0	0.35	0.0	0.0
60	52	49	1.0	0.366	0.0	61.0	34.0	59.9	68.9	60	1.0	0.0	0.367	0.0	0.0
61	53	51	1.0	0.383	0.0	61.8	32.5	60.8	69.0	61	1.0	0.0	0.383	0.0	0.0
63	54	52	1.0	0.4	0.0	62.5	31.2	61.9	69.3	63	1.0	0.0	0.4	0.0	0.0
64	55	53	1.0	0.416	0.0	63.3	29.8	62.9	69.6	64	1.0	0.0	0.417	0.0	0.0
65	56	54	1.0	0.433	0.0	64.1	28.4	63.9	70.0	65	1.0	0.0	0.433	0.0	0.0
67	57	55	1.0	0.45	0.0	64.9	27.0	64.9	70.3	67	1.0	0.0	0.45	0.0	0.0
68	58	56	1.0	0.466	0.0	65.6	25.6	65.8	70.6	68	1.0	0.0	0.467	0.0	0.0
70	59	57	1.0	0.483	0.0	66.4	24.1	66.7	70.9	70	1.0	0.0	0.483	0.0	0.0
71	60	58	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71	1.0	0.0	0.5	0.0	0.0
72	61	60	1.0	0.516	0.0	68.0	21.2	68.8	72.0	72	1.0	0.0	0.517	0.0	0.0
74	62	61	1.0	0.533	0.0	68.9	19.7	70.0	72.8	74	1.0	0.0	0.533	0.0	0.0
75	63	62	1.0	0.55	0.0	69.7	18.2	71.2	73.5	75	1.0	0.0	0.55	0.0	0.0
76	64	63	1.0	0.566	0.0	70.6	16.7	72.4	74.3	76	1.0	0.0	0.567	0.0	0.0
78	65	64	1.0	0.583	0.0	71.5	15.1	73.5	75.0	78	1.0	0.0	0.583	0.0	0.0
79	66	65	1.0	0.6	0.0	72.3	13.5	74.6	75.8	79	1.0	0.0	0.6	0.0	0.0
81	67	66	1.0	0.616	0.0	73.2	11.8	75.6	76.6	81	1.0	0.0	0.617	0.0	0.0
82	68	67	1.0	0.633	0.0	74.0	10.4	76.6	77.3	82	1.0	0.0	0.633	0.0	0.0
83	69	68	1.0	0.65	0.0	74.7	9.3	77.6	78.2	83	1.0	0.0	0.65	0.0	0.0
84	70	70	1.0	0.666	0.0	75.5	8.2	78.6	79.0	84	1.0	0.0	0.667	0.0	0.0
84	71	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84	1.0	0.0	0.683	0.0	0.0
85	72	72	1.0	0.7	0.0	77.0	5.8	80.4	80.6	85	1.0	0.0	0.7	0.0	0.0
86	73	73	1.0	0.716	0.0	77.7	4.5	81.3	81.4	86	1.0	0.0	0.717	0.0	0.0
87	74	74	1.0	0.733	0.0	78.5	3.3	82.2	82.3	87	1.0	0.0	0.733	0.0	0.0
88	75	75	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88	1.0	0.0	0.75	0.0	0.0

1-113930-L0

QE950-73

LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyrn6*, D65, page 10/33

TUB-test chart QE95; hue code: $H^*_e=G50B_e$
48 step hue circles; $rgb-LabCh$ *tables

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

1-113930-F0

see similar files: <http://130.149.60.45/~farbmetrik/QE95/QE95L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE95/QE95L0FP.PDF / .PS
application for measurement of offset print output, separation cmyrn6* (CMYK)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyln6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_c$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_c$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	LAB^*_{d361M}	$LAB^*_{ds361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
88	75	75	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88	1.0	0.75	0.0	88
89	76	76	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89	1.0	0.767	0.0	89
89	77	77	1.0	0.783	0.0	80.6	0.0	84.8	84.8	89	1.0	0.783	0.0	89
90	78	78	1.0	0.8	0.0	81.2	-0.9	85.7	85.7	90	1.0	0.8	0.0	90
91	79	80	1.0	0.816	0.0	81.9	-1.9	86.5	86.5	91	1.0	0.817	0.0	91
91	80	81	1.0	0.833	0.0	82.6	-3.0	87.4	87.4	91	1.0	0.833	0.0	91
92	81	82	1.0	0.85	0.0	83.2	-4.0	88.2	88.3	92	1.0	0.85	0.0	92
93	82	83	1.0	0.866	0.0	83.9	-5.1	89.0	89.2	93	1.0	0.867	0.0	93
93	83	84	1.0	0.883	0.0	84.5	-6.1	89.8	90.0	93	1.0	0.883	0.0	93
94	84	85	1.0	0.9	0.0	85.1	-6.9	90.6	90.8	94	1.0	0.9	0.0	94
94	85	86	1.0	0.916	0.0	85.6	-7.7	91.3	91.7	94	1.0	0.917	0.0	94
95	86	87	1.0	0.933	0.0	86.1	-8.5	92.1	92.5	95	1.0	0.933	0.0	95
95	87	88	1.0	0.95	0.0	86.7	-9.3	92.9	93.3	95	1.0	0.95	0.0	95
96	88	90	1.0	0.966	0.0	87.2	-10.2	93.6	94.2	96	1.0	0.967	0.0	96
96	89	91	1.0	0.983	0.0	87.8	-11.1	94.3	95.0	96	1.0	0.983	0.0	96
97	90	92	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97	1.0	1.0	0.0	97
97	91	93	0.983	1.0	0.0	88.0	-12.5	94.2	95.1	97	1.0	0.983	1.0	0.0
98	92	94	0.966	1.0	0.0	87.7	-13.1	93.4	94.3	98	1.0	0.967	1.0	0.0
98	93	95	0.95	1.0	0.0	87.3	-13.7	92.5	93.5	98	1.0	0.95	1.0	0.0
98	94	96	0.933	1.0	0.0	87.0	-14.3	91.6	92.7	98	1.0	0.933	1.0	0.0
99	95	98	0.916	1.0	0.0	86.6	-14.8	90.8	92.0	99	1.0	0.917	1.0	0.0
99	96	99	0.9	1.0	0.0	86.3	-15.4	89.9	91.2	99	1.0	0.9	1.0	0.0
100	97	100	0.883	1.0	0.0	86.0	-15.9	89.0	90.4	100	1.0	0.883	1.0	0.0
100	98	101	0.866	1.0	0.0	85.6	-16.4	88.2	89.7	100	1.0	0.867	1.0	0.0
100	99	102	0.85	1.0	0.0	85.2	-16.9	87.4	89.1	100	1.0	0.85	1.0	0.0
101	100	103	0.833	1.0	0.0	84.8	-17.4	86.7	88.4	101	1.0	0.833	1.0	0.0
101	101	105	0.816	1.0	0.0	84.5	-17.9	86.0	87.8	101	1.0	0.817	1.0	0.0
102	102	106	0.8	1.0	0.0	84.1	-18.3	85.2	87.2	102	1.0	0.8	1.0	0.0
102	103	107	0.783	1.0	0.0	83.7	-18.8	84.5	86.5	102	1.0	0.783	1.0	0.0
102	104	108	0.766	1.0	0.0	83.3	-19.2	83.7	85.9	102	1.0	0.767	1.0	0.0
103	105	109	0.75	1.0	0.0	82.9	-19.7	83.0	85.3	103	1.0	0.75	1.0	0.0
104	106	110	0.733	1.0	0.0	82.2	-20.5	82.1	84.6	104	1.0	0.733	1.0	0.0
104	107	112	0.716	1.0	0.0	81.4	-21.3	81.2	84.0	104	1.0	0.717	1.0	0.0
105	108	113	0.7	1.0	0.0	80.6	-22.0	80.3	83.3	105	1.0	0.7	1.0	0.0
106	109	114	0.683	1.0	0.0	79.8	-22.8	79.5	82.7	106	1.0	0.683	1.0	0.0
106	110	115	0.666	1.0	0.0	79.0	-23.5	78.6	82.0	106	1.0	0.667	1.0	0.0
107	111	116	0.65	1.0	0.0	78.2	-24.2	77.7	81.4	107	1.0	0.65	1.0	0.0
107	112	117	0.633	1.0	0.0	77.4	-24.9	76.8	80.7	107	1.0	0.633	1.0	0.0
108	113	119	0.616	1.0	0.0	76.8	-25.7	75.6	79.9	108	1.0	0.617	1.0	0.0
109	114	120	0.6	1.0	0.0	76.2	-26.6	74.3	78.9	109	1.0	0.6	1.0	0.0
110	115	121	0.583	1.0	0.0	75.6	-27.5	72.9	78.0	110	1.0	0.583	1.0	0.0
111	116	122	0.566	1.0	0.0	75.0	-28.3	71.6	77.0	111	1.0	0.567	1.0	0.0
112	117	123	0.55	1.0	0.0	74.5	-29.1	70.2	76.0	112	1.0	0.55	1.0	0.0
113	118	124	0.533	1.0	0.0	73.9	-29.9	68.8	75.0	113	1.0	0.533	1.0	0.0
114	119	126	0.516	1.0	0.0	73.3	-30.6	67.4	74.1	114	1.0	0.517	1.0	0.0
115	120	127	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115	1.0	0.5	1.0	0.0

1-1131030-L0 QE950-73 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyln6*, D65, page 11/33

TUB-test chart QE95; hue code: $H^*_e = G50B_e$
48 step hue circles; $rgb-LabCh$ *tables

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

TUB registration: 20130201-QE95/QE95L0FP.PDF /.PS
application for measurement of offset print output, separation cmyln6* (CMYK)

TUB material: code=rha4ta

3

Data of Maximum color M in colorimetric system Offset standard print; separation cmycn6*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_c: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours RYGBM_d: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours RYGBM_c: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	LAB^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{ds361Mi}$	$rgb^*_{de361Mi}$													
170	165	175	0.0	1.0	0.25 53.2	-61.9 9.8	62.7 170	0.0	1.0	0.147 52.7	-65.7 17.6	68.1 165	0.0	1.0	0.25 53.7	-59.7 4.3	59.9 175	0.0	1.0	0.25 53.7	-59.7 4.3	59.9 175	0.0	1.0	0.25 53.7	-59.7 4.3	59.9 175
172	166	176	0.0	1.0	0.266 53.4	-61.4 8.2	61.9 172	0.0	1.0	0.164 52.8	-65.1 16.3	67.2 166	0.0	1.0	0.267 53.8	-59.2 3.3	59.4 176	0.0	1.0	0.267 53.8	-59.2 3.3	59.4 176	0.0	1.0	0.267 53.8	-59.2 3.3	59.4 176
173	167	177	0.0	1.0	0.283 53.5	-60.8 6.7	61.2 173	0.0	1.0	0.181 52.9	-64.5 14.9	66.3 167	0.0	1.0	0.283 53.8	-58.7 2.3	58.9 177	0.0	1.0	0.283 53.8	-58.7 2.3	58.9 177	0.0	1.0	0.283 53.8	-58.7 2.3	58.9 177
175	168	178	0.0	1.0	0.3 53.6	-60.2 5.2	60.4 175	0.0	1.0	0.198 53.0	-63.9 13.6	65.4 168	0.0	1.0	0.3 53.9	-58.3 1.4	58.4 178	0.0	1.0	0.3 53.9	-58.3 1.4	58.4 178	0.0	1.0	0.3 53.9	-58.3 1.4	58.4 178
176	169	179	0.0	1.0	0.316 53.7	-59.5 3.7	59.6 176	0.0	1.0	0.216 53.1	-63.2 12.3	64.5 169	0.0	1.0	0.317 54.0	-57.7 0.4	57.8 179	0.0	1.0	0.317 54.0	-57.7 0.4	57.8 179	0.0	1.0	0.317 54.0	-57.7 0.4	57.8 179
177	170	180	0.0	1.0	0.333 53.8	-58.8 2.3	58.9 177	0.0	1.0	0.233 53.2	-62.6 11.1	63.6 170	0.0	1.0	0.333 54.1	-57.2 -0.4	57.3 180	0.0	1.0	0.333 54.1	-57.2 -0.4	57.3 180	0.0	1.0	0.333 54.1	-57.2 -0.4	57.3 180
179	171	181	0.0	1.0	0.35 53.9	-58.1 0.9	58.1 179	0.0	1.0	0.25 53.3	-61.9 9.8	62.8 171	0.0	1.0	0.35 54.1	-56.8 -1.3	56.9 181	0.0	1.0	0.35 54.1	-56.8 -1.3	56.9 181	0.0	1.0	0.35 54.1	-56.8 -1.3	56.9 181
180	172	182	0.0	1.0	0.366 54.0	-57.3 -0.4	57.3 180	0.0	1.0	0.263 53.4	-61.5 8.7	62.2 172	0.0	1.0	0.367 54.2	-56.4 -2.2	56.5 182	0.0	1.0	0.367 54.2	-56.4 -2.2	56.5 182	0.0	1.0	0.367 54.2	-56.4 -2.2	56.5 182
181	173	183	0.0	1.0	0.383 54.1	-56.6 -1.8	56.6 181	0.0	1.0	0.275 53.5	-61.1 7.5	61.6 173	0.0	1.0	0.383 54.2	-56.0 -3.1	56.2 183	0.0	1.0	0.383 54.2	-56.0 -3.1	56.2 183	0.0	1.0	0.383 54.2	-56.0 -3.1	56.2 183
183	174	184	0.0	1.0	0.4 54.2	-55.9 -3.5	56.0 183	0.0	1.0	0.287 53.5	-60.6 6.4	61.0 174	0.0	1.0	0.4 54.3	-55.7 -3.9	55.9 184	0.0	1.0	0.4 54.3	-55.7 -3.9	55.9 184	0.0	1.0	0.4 54.3	-55.7 -3.9	55.9 184
185	175	185	0.0	1.0	0.416 54.3	-55.2 -5.0	55.5 185	0.0	1.0	0.3 53.6	-60.1 5.3	60.5 175	0.0	1.0	0.417 54.3	-55.3 -4.8	55.6 185	0.0	1.0	0.417 54.3	-55.3 -4.8	55.6 185	0.0	1.0	0.417 54.3	-55.3 -4.8	55.6 185
186	176	185	0.0	1.0	0.433 54.4	-54.5 -6.6	54.9 186	0.0	1.0	0.312 53.7	-59.6 4.2	59.9 176	0.0	1.0	0.433 54.4	-54.9 -5.6	55.3 185	0.0	1.0	0.433 54.4	-54.9 -5.6	55.3 185	0.0	1.0	0.433 54.4	-54.9 -5.6	55.3 185
188	177	186	0.0	1.0	0.45 54.5	-53.7 -8.0	54.3 188	0.0	1.0	0.324 53.8	-59.1 3.1	59.3 177	0.0	1.0	0.45 54.4	-54.4 -6.5	54.9 186	0.0	1.0	0.45 54.4	-54.4 -6.5	54.9 186	0.0	1.0	0.45 54.4	-54.4 -6.5	54.9 186
190	178	187	0.0	1.0	0.466 54.6	-52.8 -9.5	53.7 190	0.0	1.0	0.337 53.9	-58.6 2.1	58.7 178	0.0	1.0	0.467 54.5	-54.0 -7.3	54.6 187	0.0	1.0	0.467 54.5	-54.0 -7.3	54.6 187	0.0	1.0	0.467 54.5	-54.0 -7.3	54.6 187
191	179	188	0.0	1.0	0.483 54.7	-52.0 -10.9	53.1 191	0.0	1.0	0.349 53.9	-58.1 1.0	58.2 179	0.0	1.0	0.483 54.6	-53.6 -8.1	54.3 188	0.0	1.0	0.483 54.6	-53.6 -8.1	54.3 188	0.0	1.0	0.483 54.6	-53.6 -8.1	54.3 188
193	180	189	0.0	1.0	0.5 54.8	-51.0 -12.3	52.5 193	0.0	1.0	0.362 54.0	-57.5 0.0	57.6 180	0.0	1.0	0.5 54.8	-53.1 -8.9	54.0 189	0.0	1.0	0.5 54.8	-53.1 -8.9	54.0 189	0.0	1.0	0.5 54.8	-53.1 -8.9	54.0 189
195	181	190	0.0	1.0	0.516 54.9	-50.4 -13.7	52.2 195	0.0	1.0	0.374 54.1	-56.9 -0.9	57.0 181	0.0	1.0	0.517 54.9	-52.6 -9.7	53.6 190	0.0	1.0	0.517 54.9	-52.6 -9.7	53.6 190	0.0	1.0	0.517 54.9	-52.6 -9.7	53.6 190
196	182	191	0.0	1.0	0.533 55.1	-49.6 -15.0	51.9 196	0.0	1.0	0.384 54.2	-56.5 -1.9	56.7 182	0.0	1.0	0.533 54.7	-52.2 -10.5	53.3 191	0.0	1.0	0.533 54.7	-52.2 -10.5	53.3 191	0.0	1.0	0.533 54.7	-52.2 -10.5	53.3 191
198	183	192	0.0	1.0	0.55 55.2	-48.9 -16.3	51.6 198	0.0	1.0	0.394 54.2	-56.1 -2.8	56.3 183	0.0	1.0	0.55 54.8	-51.7 -11.2	53.0 192	0.0	1.0	0.55 54.8	-51.7 -11.2	53.0 192	0.0	1.0	0.55 54.8	-51.7 -11.2	53.0 192
200	184	193	0.0	1.0	0.566 55.3	-48.1 -17.6	51.2 200	0.0	1.0	0.404 54.3	-55.7 -3.8	55.9 184	0.0	1.0	0.567 54.8	-51.2 -12.0	52.7 193	0.0	1.0	0.567 54.8	-51.2 -12.0	52.7 193	0.0	1.0	0.567 54.8	-51.2 -12.0	52.7 193
201	185	194	0.0	1.0	0.583 55.5	-47.3 -18.9	50.9 201	0.0	1.0	0.414 54.3	-55.3 -4.7	55.6 185	0.0	1.0	0.583 54.9	-50.8 -12.7	52.5 194	0.0	1.0	0.583 54.9	-50.8 -12.7	52.5 194	0.0	1.0	0.583 54.9	-50.8 -12.7	52.5 194
203	186	195	0.0	1.0	0.6 55.6	-46.4 -20.1	50.6 203	0.0	1.0	0.424 54.4	-54.8 -5.7	55.2 186	0.0	1.0	0.6 55.6	-50.4 -13.5	52.3 195	0.0	1.0	0.6 55.6	-50.4 -13.5	52.3 195	0.0	1.0	0.6 55.6	-50.4 -13.5	52.3 195
205	187	195	0.0	1.0	0.616 55.7	-45.5 -21.3	50.3 205	0.0	1.0	0.434 54.5	-54.4 -6.6	54.9 187	0.0	1.0	0.617 55.0	-50.0 -14.3	52.1 195	0.0	1.0	0.617 55.0	-50.0 -14.3	52.1 195	0.0	1.0	0.617 55.0	-50.0 -14.3	52.1 195
206	188	196	0.0	1.0	0.633 55.8	-44.7 -22.5	50.1 206	0.0	1.0	0.444 54.5	-53.9 -7.5	54.5 188	0.0	1.0	0.633 55.1	-49.6 -15.0	51.9 196	0.0	1.0	0.633 55.1	-49.6 -15.0	51.9 196	0.0	1.0	0.633 55.1	-49.6 -15.0	51.9 196
208	189	197	0.0	1.0	0.65 56.0	-44.0 -23.8	50.1 208	0.0	1.0	0.454 54.6	-53.4 -8.4	54.2 189	0.0	1.0	0.65 55.2	-49.2 -15.7	51.7 197	0.0	1.0	0.65 55.2	-49.2 -15.7	51.7 197	0.0	1.0	0.65 55.2	-49.2 -15.7	51.7 197
210	190	198	0.0	1.0	0.666 56.1	-43.2 -25.0	50.0 210	0.0	1.0	0.464 54.6	-52.9 -9.2	53.8 190	0.0	1.0	0.667 55.3	-48.7 -16.5	51.6 198	0.0	1.0	0.667 55.3	-48.7 -16.5	51.6 198	0.0	1.0	0.667 55.3	-48.7 -16.5	51.6 198
211	191	199	0.0	1.0	0.683 56.2	-42.4 -26.3	49.9 211	0.0	1.0	0.474 54.7	-52.4 -10.1	53.5 191	0.0	1.0	0.683 55.3	-48.3 -17.2	51.4 199	0.0	1.0	0.683 55.3	-48.3 -17.2	51.4 199	0.0	1.0	0.683 55.3	-48.3 -17.2	51.4 199
213	192	200	0.0	1.0	0.7 56.3	-41.6 -27.5	49.9 213	0.0	1.0	0.484 54.8	-51.9 -10.9	53.1 192	0.0	1.0	0.7 55.4	-47.9 -17.9	51.2 200	0.0	1.0	0.7 55.4	-47.9 -17.9	51.2 200	0.0	1.0	0.7 55.4	-47.9 -17.9	51.2 200
215	193	201	0.0	1.0	0.716 56.5	-40.8 -28.6	49.8 215	0.0	1.0	0.494 54.8	-51.3 -11.8	52.8 193	0.0	1.0	0.717 55.5	-47.4 -18.6	51.0 201	0.0	1.0	0.717 55.5	-47.4 -18.6	51.0 201	0.0	1.0	0.717 55.5	-47.4 -18.6	51.0 201
216	194	202	0.0	1.0	0.733 56.6	-39.9 -29.8	49.8 216	0.0	1.0	0.504 54.9	-50.8 -12.6	52.5 194	0.0	1.0	0.733 55.6	-46.9 -19.3	50.9 202	0.0	1.0	0.733 55.6	-46.9 -19.3	50.9 202	0.0	1.0	0.733 55.6	-46.9 -19.3	50.9 202
218	195	203	0.0	1.0	0.75 56.7	-38.9 -30.9	49.7 218	0.0	1.0	0.514 55.0	-50.4 -13.4	52.3 195	0.0	1.0	0.75 55.6	-46.5 -19.9	50.7 203	0.0	1.0	0.75 55.6	-46.5 -19.9	50.7 203	0.0	1.0	0.75 55.6	-46.5 -19.9	50.7 203
219	196	204	0.0	1.0	0.766 56.8	-38.4 -31.7	49.8 219	0.0	1.0	0.525 55.0	-50.0 -14.3	52.1 196	0.0	1.0	0.767 55.7	-46.0 -20.6	50.5 204	0.0	1.0	0.767 55.7	-46.0 -20.6	50.5 204	0.0	1.0	0.767 55.7	-46.0 -20	

Data of Maximum color M in colorimetric system Offset standard print; separation cmyrn6*, 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: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours RYGBM_e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																	
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi}(x=LabCh)$	C_d	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	$210C_s$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$216C_e$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}		
236	210	216	0.0	1.0	1.0	58.3	-29.2 -43.7 52.6	236	0.0	1.0	0.666 56.1	-43.2 -24.9 50.0	210	0.0	1.0	1.0	
236	211	217	0.0	0.983	1.0	57.9	-28.7 -43.7 52.3	236	0.0	1.0	0.676 56.2	-42.8 -25.7 50.0	211	0.0	0.983	1.0	
237	212	218	0.0	0.966	1.0	57.5	-28.1 -43.8 52.0	237	0.0	1.0	0.686 56.3	-42.3 -26.4 50.0	212	0.0	0.967	1.0	
237	213	219	0.0	0.95	1.0	57.1	-27.5 -43.8 51.8	237	0.0	1.0	0.696 56.4	-41.8 -27.1 49.9	213	0.0	0.95	1.0	
238	214	220	0.0	0.933	1.0	56.7	-26.9 -43.9 51.5	238	0.0	1.0	0.706 56.4	-41.3 -27.8 49.9	214	0.0	0.933	1.0	
238	215	221	0.0	0.916	1.0	56.2	-26.4 -43.9 51.2	238	0.0	1.0	0.716 56.5	-40.8 -28.5 49.9	215	0.0	0.917	1.0	
239	216	222	0.0	0.9	1.0	55.8	-25.8 -43.9 50.9	239	0.0	1.0	0.726 56.6	-40.2 -29.2 49.8	216	0.0	0.9	1.0	
240	217	223	0.0	0.883	1.0	55.4	-25.2 -43.9 50.7	240	0.0	1.0	0.736 56.7	-39.7 -29.9 49.8	217	0.0	0.883	1.0	
240	218	224	0.0	0.866	1.0	55.0	-24.6 -43.9 50.4	240	0.0	1.0	0.746 56.7	-39.1 -30.5 49.8	218	0.0	0.867	1.0	
241	219	225	0.0	0.85	1.0	54.5	-23.9 -44.0 50.1	241	0.0	1.0	0.758 56.8	-38.6 -31.2 49.8	219	0.0	0.85	1.0	
242	220	226	0.0	0.833	1.0	54.1	-23.2 -44.0 49.8	242	0.0	1.0	0.772 56.9	-38.1 -32.0 49.9	220	0.0	0.833	1.0	
242	221	227	0.0	0.816	1.0	53.6	-22.5 -44.1 49.5	242	0.0	1.0	0.786 57.0	-37.7 -32.7 50.0	221	0.0	0.817	1.0	
243	222	227	0.0	0.8	1.0	53.1	-21.8 -44.1 49.2	243	0.0	1.0	0.8	57.1	-37.2 -33.4 50.1	222	0.0	0.8	1.0
244	223	228	0.0	0.783	1.0	52.7	-21.1 -44.1 48.9	244	0.0	1.0	0.814 57.2	-36.6 -34.2 50.2	223	0.0	0.783	1.0	
245	224	229	0.0	0.766	1.0	52.2	-20.4 -44.1 48.6	245	0.0	1.0	0.828 57.3	-36.1 -34.9 50.3	224	0.0	0.767	1.0	
245	225	230	0.0	0.75	1.0	51.7	-19.7 -44.1 48.3	245	0.0	1.0	0.842 57.4	-35.6 -35.6 50.4	225	0.0	0.75	1.0	
246	226	231	0.0	0.733	1.0	51.2	-18.9 -44.2 48.1	246	0.0	1.0	0.856 57.5	-35.0 -36.3 50.5	226	0.0	0.733	1.0	
247	227	232	0.0	0.716	1.0	50.7	-18.1 -44.3 47.8	247	0.0	1.0	0.87	57.5	-34.4 -36.9 50.7	227	0.0	0.717	1.0
248	228	233	0.0	0.7	1.0	50.1	-17.4 -44.3 47.6	248	0.0	1.0	0.884 57.6	-33.9 -37.7 50.8	228	0.0	0.7	1.0	
249	229	234	0.0	0.683	1.0	49.6	-16.6 -44.3 47.4	249	0.0	1.0	0.899 57.7	-33.4 -38.4 51.1	229	0.0	0.683	1.0	
250	230	235	0.0	0.666	1.0	49.1	-15.8 -44.4 47.1	250	0.0	1.0	0.913 57.8	-32.9 -39.2 51.3	230	0.0	0.667	1.0	
251	231	236	0.0	0.65	1.0	48.5	-15.0 -44.4 46.9	251	0.0	1.0	0.927 57.9	-32.3 -39.9 51.5	231	0.0	0.65	1.0	
252	232	237	0.0	0.633	1.0	48.0	-14.3 -44.4 46.6	252	0.0	1.0	0.941 58.0	-31.7 -40.7 51.7	232	0.0	0.633	1.0	
253	233	237	0.0	0.616	1.0	47.4	-13.4 -44.5 46.4	253	0.0	1.0	0.955 58.1	-31.2 -41.4 51.9	233	0.0	0.617	1.0	
254	234	238	0.0	0.6	1.0	46.7	-12.3 -44.6 46.3	254	0.0	1.0	0.969 58.2	-30.6 -42.1 52.2	234	0.0	0.6	1.0	
255	235	239	0.0	0.583	1.0	46.1	-11.3 -44.7 46.1	255	0.0	1.0	0.983 58.2	-29.9 -42.8 52.4	235	0.0	0.583	1.0	
257	236	240	0.0	0.566	1.0	45.4	-10.2 -44.8 46.0	257	0.0	1.0	0.997 58.3	-29.3 -43.5 52.6	236	0.0	0.567	1.0	
258	237	241	0.0	0.55	1.0	44.7	-9.1 -44.9 45.8	258	0.0	0.976	1.0	57.7	-28.4 -43.7 52.2	237	0.0	0.55	1.0
259	238	242	0.0	0.533	1.0	44.1	-8.1 -45.0 45.7	259	0.0	0.946	1.0	57.0	-27.3 -43.8 51.7	238	0.0	0.533	1.0
261	239	243	0.0	0.516	1.0	43.4	-7.0 -45.0 45.5	261	0.0	0.916	1.0	56.3	-26.3 -43.8 51.2	239	0.0	0.517	1.0
262	240	244	0.0	0.5	1.0	42.7	-6.0 -45.0 45.4	262	0.0	0.886	1.0	55.5	-25.3 -43.8 50.7	240	0.0	0.5	1.0
263	241	245	0.0	0.483	1.0	42.1	-5.0 -45.1 45.4	263	0.0	0.861	1.0	54.9	-24.3 -43.9 50.3	241	0.0	0.483	1.0
264	242	246	0.0	0.466	1.0	41.4	-4.0 -45.2 45.4	264	0.0	0.838	1.0	54.2	-23.3 -44.0 49.9	242	0.0	0.467	1.0
266	243	247	0.0	0.45	1.0	40.8	-3.0 -45.3 45.4	266	0.0	0.815	1.0	53.6	-22.4 -44.0 49.5	243	0.0	0.45	1.0
267	244	248	0.0	0.433	1.0	40.2	-2.1 -45.3 45.4	267	0.0	0.793	1.0	53.0	-21.4 -44.1 49.1	244	0.0	0.433	1.0
268	245	248	0.0	0.416	1.0	39.5	-1.1 -45.4 45.4	268	0.0	0.77	1.0	52.3	-20.5 -44.1 48.7	245	0.0	0.417	1.0
269	246	249	0.0	0.4	1.0	38.9	-0.1 -45.4 45.4	269	0.0	0.748	1.0	51.7	-19.6 -44.1 48.4	246	0.0	0.4	1.0
271	247	250	0.0	0.383	1.0	38.2	0.8 -45.4 45.4	271	0.0	0.729	1.0	51.1	-18.7 -44.2 48.1	247	0.0	0.383	1.0
272	248	251	0.0	0.366	1.0	37.6	1.8 -45.5 45.5	272	0.0	0.711	1.0	50.5	-17.8 -44.2 47.8	248	0.0	0.367	1.0
273	249	252	0.0	0.35	1.0	37.0	2.9 -45.6 45.7	273	0.0	0.692	1.0	49.9	-16.9 -44.3 47.5	249	0.0	0.35	1.0
275	250	253	0.0	0.333	1.0	36.4	4.0 -45.7 45.9	275	0.0	0.673	1.0	49.3	-16.1 -44.3 47.3	250	0.0	0.333	1.0
276	251	254	0.0	0.316	1.0	35.7	5.1 -45.8 46.1	276	0.0	0.654	1.0	48.7	-15.2 -44.3 47.0	251	0.0	0.317	1.0
277	252	255	0.0	0.3	1.0	35.1	6.1 -45.9 46.3	277	0.0	0.636	1.0	48.1	-14.3 -44.3 46.7	252	0.0	0.3	1.0
279	253	256	0.0	0.283	1.0	34.5	7.2 -46.0 46.5	279	0.0	0.62	1.0	47.6	-13.5 -44.4 46.5	253	0.0	0.283	1.0
280	254	257	0.0	0.266	1.0	33.9	8.3 -46.0 46.7	280	0.0	0.607	1.0	47.1	-12.7 -44.5 46.4	254	0.0	0.267	1.0
281	255	258	0.0	0.25	1.0	33.3	9.4 -46.0 47.0	281	0.0	0.594	1.0	46.5	-11.9 -44.6 46.3	255	0.0	0.25	1.0

1-1131330-L0 QE950-73 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyrn6*, D65, page 14/33

TUB-test chart QE95; hue code: $H^*_e = G50B_e$
48 step hue circles; $rgb-LabCh^*$ tables

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

Data of Maximum color M in colorimetric system Offset standard print; separation cmyrn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_c$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_c$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Six hue angles of the device colours <i>RYGBM</i> _d : <i>h</i> _{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours <i>RYGBM</i> _e : <i>h</i> _{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6											
<i>h</i> _{ab,d}	<i>h</i> _{ab,s}	<i>h</i> _{ab,e}	<i>rgb</i> [*] _{dd361M}	<i>LAB</i> [*] _{ddx361Mi} (x=LabCh)	<i>rgb</i> [*] _{ds361Mi}	<i>LAB</i> [*] _{dsx361Mi} (x=LabCh)	<i>rgb</i> [*] _{dd361Mi}	<i>LAB</i> [*] _{de361Mi}	<i>LAB</i> [*] _{dex361Mi} (x=LabCh)	<i>rgb</i> [*] _{dd361Mi}	<i>rgb</i> [*] _{dd361Mi}
281	255	258	0.0 0.25 1.0	33.3 9.4 -46.0 47.0	0.0 0.594 1.0	46.5 -11.9 -44.6 46.3	255 0.0 0.25 1.0	0.0 0.555 1.0	45.0 -9.4 -44.8 45.9	258 0.0 0.25 1.0	
282	256	258	0.0 0.233 1.0	32.7 10.5 -46.2 47.4	0.0 0.581 1.0	46.0 -11.1 -44.7 46.2	256 0.0 0.233 1.0	0.0 0.543 1.0	44.5 -8.7 -44.9 45.8	258 0.0 0.233 1.0	
283	257	259	0.0 0.216 1.0	32.0 11.5 -46.4 47.8	0.0 0.568 1.0	45.5 -10.3 -44.8 46.1	257 0.0 0.217 1.0	0.0 0.532 1.0	44.1 -7.9 -44.9 45.7	259 0.0 0.217 1.0	
285	258	260	0.0 0.2 1.0	31.4 12.5 -46.5 48.2	0.0 0.556 1.0	45.0 -9.5 -44.8 45.9	258 0.0 0.2 1.0	0.0 0.52 1.0	43.6 -7.2 -44.9 45.6	260 0.0 0.2 1.0	
286	259	261	0.0 0.183 1.0	30.8 13.6 -46.7 48.6	0.0 0.543 1.0	44.5 -8.6 -44.9 45.8	259 0.0 0.183 1.0	0.0 0.508 1.0	43.1 -6.5 -44.9 45.5	261 0.0 0.183 1.0	
287	260	262	0.0 0.166 1.0	30.1 14.7 -46.8 49.0	0.0 0.53 1.0	44.0 -7.8 -44.9 45.7	260 0.0 0.167 1.0	0.0 0.497 1.0	42.7 -5.7 -45.0 45.4	262 0.0 0.167 1.0	
288	261	263	0.0 0.15 1.0	29.5 15.8 -46.9 49.4	0.0 0.517 1.0	43.5 -7.0 -44.9 45.6	261 0.0 0.15 1.0	0.0 0.484 1.0	42.2 -5.0 -45.0 45.4	263 0.0 0.15 1.0	
289	262	264	0.0 0.133 1.0	28.9 16.8 -46.9 49.9	0.0 0.505 1.0	43.0 -6.2 -44.9 45.5	262 0.0 0.133 1.0	0.0 0.472 1.0	41.7 -4.3 -45.1 45.4	264 0.0 0.133 1.0	
290	263	265	0.0 0.116 1.0	28.3 17.8 -47.0 50.3	0.0 0.491 1.0	42.5 -5.4 -45.0 45.4	263 0.0 0.117 1.0	0.0 0.46 1.0	41.2 -3.6 -45.2 45.4	265 0.0 0.117 1.0	
291	264	266	0.0 0.1 1.0	27.9 18.6 -47.1 50.6	0.0 0.478 1.0	41.9 -4.6 -45.1 45.4	264 0.0 0.1 1.0	0.0 0.448 1.0	40.8 -2.9 -45.2 45.4	266 0.0 0.1 1.0	
292	265	267	0.0 0.083 1.0	27.5 19.4 -47.1 51.0	0.0 0.465 1.0	41.4 -3.9 -45.2 45.4	265 0.0 0.083 1.0	0.0 0.436 1.0	40.3 -2.1 -45.3 45.4	267 0.0 0.083 1.0	
293	266	268	0.0 0.066 1.0	27.0 20.2 -47.2 51.4	0.0 0.451 1.0	40.9 -3.1 -45.2 45.4	266 0.0 0.067 1.0	0.0 0.423 1.0	39.8 -1.4 -45.3 45.4	268 0.0 0.067 1.0	
293	267	269	0.0 0.049 1.0	26.6 21.0 -47.3 51.7	0.0 0.438 1.0	40.4 -2.3 -45.3 45.4	267 0.0 0.05 1.0	0.0 0.411 1.0	39.4 -0.7 -45.3 45.4	269 0.0 0.05 1.0	
294	268	269	0.0 0.033 1.0	26.2 21.8 -47.3 52.1	0.0 0.425 1.0	39.9 -1.5 -45.3 45.4	268 0.0 0.033 1.0	0.0 0.399 1.0	38.9 0.0 -45.3 45.4	269 0.0 0.033 1.0	
295	269	270	0.0 0.016 1.0	25.7 22.6 -47.3 52.5	0.0 0.411 1.0	39.4 -0.7 -45.3 45.4	269 0.0 0.017 1.0	0.0 0.387 1.0	38.4 0.7 -45.3 45.4	270 0.0 0.017 1.0	
296	270	271	0.0 0.0 1.0	25.3 23.5 -47.3 52.8	0.0 0.398 1.0	38.8 0.0 -45.3 45.4	270 <i>B_s</i> 0.0 0.0 1.0	0.0 0.375 1.0	37.9 1.4 -45.3 45.5	271 <i>B_e</i> 0.0 0.0 1.0	
297	271	272	0.016 0.0 1.0	25.8 24.6 -46.8 52.9	0.0 0.385 1.0	38.3 0.8 -45.3 45.4	271 0.017 0.0 1.0	0.0 0.363 1.0	37.5 2.1 -45.5 45.6	272 0.017 0.0 1.0	
299	272	273	0.033 0.0 1.0	26.3 25.8 -46.2 52.9	0.0 0.371 1.0	37.8 1.6 -45.4 45.5	272 0.033 0.0 1.0	0.0 0.351 1.0	37.1 2.9 -45.6 45.8	273 0.033 0.0 1.0	
300	273	274	0.05 0.0 1.0	26.9 26.9 -45.6 52.9	0.0 0.359 1.0	37.3 2.4 -45.5 45.7	273 0.05 0.0 1.0	0.0 0.339 1.0	36.6 3.7 -45.7 45.9	274 0.05 0.0 1.0	
301	274	275	0.066 0.0 1.0	27.4 28.0 -45.0 53.0	0.0 0.346 1.0	36.9 3.2 -45.6 45.8	274 0.067 0.0 1.0	0.0 0.327 1.0	36.2 4.4 -45.7 46.0	275 0.067 0.0 1.0	
303	275	276	0.083 0.0 1.0	27.9 29.1 -44.3 53.0	0.0 0.334 1.0	36.4 4.0 -45.7 46.0	275 0.083 0.0 1.0	0.0 0.315 1.0	35.7 5.2 -45.8 46.2	276 0.083 0.0 1.0	
304	276	277	0.1 0.0 1.0	28.5 30.2 -43.6 53.1	0.0 0.321 1.0	36.0 4.8 -45.8 46.1	276 0.1 0.0 1.0	0.0 0.303 1.0	35.3 6.0 -45.9 46.3	277 0.1 0.0 1.0	
306	277	278	0.116 0.0 1.0	29.0 31.2 -42.9 53.1	0.0 0.309 1.0	35.5 5.6 -45.8 46.3	277 0.117 0.0 1.0	0.0 0.291 1.0	34.9 6.8 -45.9 46.5	278 0.117 0.0 1.0	
307	278	279	0.133 0.0 1.0	29.4 32.1 -42.3 53.1	0.0 0.296 1.0	35.0 6.5 -45.9 46.4	278 0.133 0.0 1.0	0.0 0.279 1.0	34.4 7.6 -45.9 46.6	279 0.133 0.0 1.0	
307	279	280	0.15 0.0 1.0	29.7 32.7 -41.9 53.2	0.0 0.283 1.0	34.6 7.3 -45.9 46.6	279 0.15 0.0 1.0	0.0 0.267 1.0	34.0 8.3 -45.9 46.8	280 0.15 0.0 1.0	
308	280	281	0.166 0.0 1.0	30.0 33.3 -41.5 53.2	0.0 0.271 1.0	34.1 8.1 -45.9 46.7	280 0.167 0.0 1.0	0.0 0.256 1.0	33.5 9.1 -45.9 46.9	281 0.167 0.0 1.0	
309	281	282	0.183 0.0 1.0	30.3 33.9 -41.0 53.2	0.0 0.258 1.0	33.6 8.9 -45.9 46.9	281 0.183 0.0 1.0	0.0 0.243 1.0	33.1 9.9 -46.0 47.2	282 0.183 0.0 1.0	
310	282	283	0.2 0.0 1.0	30.6 34.5 -40.6 53.3	0.0 0.245 1.0	33.1 9.8 -46.0 47.1	282 0.2 0.0 1.0	0.0 0.229 1.0	32.5 10.8 -46.2 47.5	283 0.2 0.0 1.0	
311	283	284	0.216 0.0 1.0	30.9 35.0 -40.1 53.3	0.0 0.231 1.0	32.6 10.7 -46.2 47.5	283 0.217 0.0 1.0	0.0 0.215 1.0	32.0 11.6 -46.3 47.9	284 0.217 0.0 1.0	
311	284	285	0.233 0.0 1.0	31.2 35.6 -39.6 53.3	0.0 0.216 1.0	32.1 11.6 -46.3 47.8	284 0.233 0.0 1.0	0.0 0.202 1.0	31.5 12.5 -46.5 48.2	285 0.233 0.0 1.0	
312	285	285	0.25 0.0 1.0	31.5 36.2 -39.2 53.4	0.0 0.202 1.0	31.5 12.5 -46.5 48.2	285 0.25 0.0 1.0	0.0 0.188 1.0	31.0 13.3 -46.6 48.5	285 0.25 0.0 1.0	
314	286	286	0.266 0.0 1.0	31.8 37.8 -38.3 53.8	0.0 0.188 1.0	31.0 13.4 -46.6 48.6	286 0.267 0.0 1.0	0.0 0.175 1.0	30.5 14.2 -46.7 48.9	286 0.267 0.0 1.0	
316	287	287	0.283 0.0 1.0	32.1 39.4 -37.4 54.3	0.0 0.173 1.0	30.4 14.3 -46.7 48.9	287 0.283 0.0 1.0	0.0 0.161 1.0	30.0 15.1 -46.8 49.2	287 0.283 0.0 1.0	
318	288	288	0.3 0.0 1.0	32.4 40.9 -36.4 54.8	0.0 0.159 1.0	29.9 15.2 -46.8 49.3	288 0.3 0.0 1.0	0.0 0.147 1.0	29.5 16.0 -46.8 49.6	288 0.3 0.0 1.0	
320	289	289	0.316 0.0 1.0	32.7 42.4 -35.3 55.3	0.0 0.145 1.0	29.4 16.2 -46.8 49.6	289 0.317 0.0 1.0	0.0 0.134 1.0	28.9 16.9 -46.9 49.9	289 0.317 0.0 1.0	
322	290	290	0.333 0.0 1.0	33.0 43.9 -34.2 55.7	0.0 0.13 1.0	28.8 17.1 -46.9 50.0	290 0.333 0.0 1.0	0.0 0.118 1.0	28.4 17.8 -46.9 50.3	290 0.333 0.0 1.0	
323	291	291	0.35 0.0 1.0	33.3 45.4 -33.1 56.2	0.0 0.112 1.0	28.3 18.1 -47.0 50.4	291 0.35 0.0 1.0	0.0 0.098 1.0	27.9 18.7 -47.0 50.7	291 0.35 0.0 1.0	
325	292	292	0.366 0.0 1.0	33.6 46.9 -31.8 56.7	0.0 0.091 1.0	27.7 19.1 -47.1 50.9	292 0.367 0.0 1.0	0.0 0.079 1.0	27.4 19.6 -47.1 51.1	292 0.367 0.0 1.0	
327	293	293	0.383 0.0 1.0	34.0 48.0 -30.9 57.1	0.0 0.07 1.0	27.2 20.1 -47.1 51.3	293 0.383 0.0 1.0	0.0 0.059 1.0	26.9 20.6 -47.2 51.6	293 0.383 0.0 1.0	
328	294	294	0.4 0.0 1.0	34.6 48.9 -30.3 57.5	0.0 0.05 1.0	26.6 21.1 -47.2 51.8	294 0.4 0.0 1.0	0.0 0.04 1.0	26.4 21.6 -47.2 52.0	294 0.4 0.0 1.0	
329	295	295	0.416 0.0 1.0	35.1 49.7 -29.7 57.9	0.0 0.029 1.0	26.1 22.1 -47.2 52.2	295 0.417 0.0 1.0	0.0 0.02 1.0	25.9 22.5 -47.3 52.4	295 0.417 0.0 1.0	
330	296	296	0.433 0.0 1.0	35.7 50.5 -29.0 58.3	0.0 0.008 1.0	25.6 23.1 -47.3 52.7	296 0.433 0.0 1.0	0.0 0.001 1.0	25.3 23.5 -47.3 52.9	296 0.433 0.0 1.0	
331	297	297	0.45 0.0 1.0	36.2 51.4 -28.4 58.7	0.007 0.0 1.0	25.6 24.0 -47.0 52.9	297 0.45 0.0 1.0	0.011 0.0 1.0	25.7 24.3 -46.9 52.9	297 0.45 0.0 1.0	
332	298	298	0.466 0.0 1.0	36.7 52.2 -27.7 59.1	0.019 0.0 1.0	25.9 24.8 -46.6 52.9	298 0.467 0.0 1.0	0.023 0.0 1.0	26.1 25.1 -46.5 52.9	298 0.467 0.0 1.0	
332	299	299	0.483 0.0 1.0	37.3 53.0 -27.0 59.5	0.031 0.0 1.0	26.3 25.7 -46.2 52.9	299 0.483 0.0 1.0	0.034 0.0 1.0	26.4 25.9 -46.1 53.0	299 0.483 0.0 1.0	
333	300	300	0.5 0.0 1.0	37.8 53.8 -26.3 59.9	0.043 0.0 1.0	26.7 26.5 -45.8 53.0	300 0.5 0.0 1.0	0.046 0.0 1.0	26.8 26.6 -45.7 53.0	300 0.5 0.0 1.0	

1-1131430-L0 QE950-73 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyrn6*, D65, page 15/33

TUB-test chart QE95; hue code: $H^*_e = G50B_e$
48 step hue circles; $rgb - LabCh^*tables$

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

http://130.149.60.45/~farbmetrik/QE95/QE95L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization QE95/QE95LE30FP.DAT in file (F), page 16/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmy6*, 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 $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* _{dd361M}		LAB* _{dd361Mi} (x=LabCh)					rgb* _{ds361Mi}			LAB* _{ds361Mi} (x=LabCh)					rgb* _{de361M}			LAB* _{de361Mi} (x=LabCh)					rgb* _{dd361Mi}			rgb* _{ad}	rgb* _{ds}	rgb* _{de}				
333	300	300	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333	0.043	0.0	1.0	26.7	26.5	-45.8	53.0	300	0.5	0.0	1.0	0.046	0.0	1.0	26.8	26.6	-45.7	53.0	300	0.5	0.0	1.0			
334	301	301	0.516	0.0	1.0	38.3	54.5	-25.7	60.3	334	0.056	0.0	1.0	27.1	27.3	-45.3	53.0	301	0.517	0.0	1.0	0.057	0.0	1.0	27.2	27.4	-45.3	53.0	301	0.517	0.0	1.0			
335	302	302	0.533	0.0	1.0	38.7	55.2	-25.2	60.6	335	0.068	0.0	1.0	27.5	28.1	-44.9	53.0	302	0.533	0.0	1.0	0.068	0.0	1.0	27.5	28.2	-44.8	53.0	302	0.533	0.0	1.0			
336	303	303	0.55	0.0	1.0	39.1	55.8	-24.6	61.0	336	0.08	0.0	1.0	27.9	28.9	-44.4	53.1	303	0.55	0.0	1.0	0.08	0.0	1.0	27.9	28.9	-44.4	53.1	303	0.55	0.0	1.0			
336	304	303	0.566	0.0	1.0	39.5	56.5	-24.0	61.4	336	0.092	0.0	1.0	28.3	29.7	-43.9	53.1	304	0.567	0.0	1.0	0.091	0.0	1.0	28.3	29.7	-43.9	53.1	303	0.567	0.0	1.0			
337	305	304	0.583	0.0	1.0	39.9	57.2	-23.4	61.8	337	0.104	0.0	1.0	28.7	30.5	-43.4	53.1	305	0.583	0.0	1.0	0.103	0.0	1.0	28.6	30.4	-43.5	53.1	304	0.583	0.0	1.0			
338	306	305	0.6	0.0	1.0	40.3	57.8	-22.8	62.2	338	0.116	0.0	1.0	29.0	31.2	-42.9	53.1	306	0.6	0.0	1.0	0.114	0.0	1.0	29.0	31.1	-43.0	53.1	305	0.6	0.0	1.0			
339	307	306	0.616	0.0	1.0	40.7	58.5	-22.1	62.5	339	0.13	0.0	1.0	29.4	32.0	-42.4	53.2	307	0.617	0.0	1.0	0.126	0.0	1.0	29.4	31.9	-42.5	53.2	306	0.617	0.0	1.0			
340	308	307	0.633	0.0	1.0	41.1	59.3	-21.4	63.0	340	0.151	0.0	1.0	29.8	32.8	-41.8	53.2	308	0.633	0.0	1.0	0.146	0.0	1.0	29.7	32.6	-42.0	53.2	307	0.633	0.0	1.0			
341	309	308	0.65	0.0	1.0	41.4	60.3	-20.5	63.7	341	0.172	0.0	1.0	30.2	33.5	-41.3	53.3	309	0.65	0.0	1.0	0.166	0.0	1.0	30.1	33.3	-41.5	53.2	308	0.65	0.0	1.0			
342	310	309	0.666	0.0	1.0	41.7	61.3	-19.7	64.3	342	0.193	0.0	1.0	30.6	34.3	-40.7	53.3	310	0.667	0.0	1.0	0.186	0.0	1.0	30.4	34.0	-40.9	53.3	309	0.667	0.0	1.0			
343	311	310	0.683	0.0	1.0	41.9	62.2	-18.8	65.0	343	0.214	0.0	1.0	30.9	35.0	-40.2	53.3	311	0.683	0.0	1.0	0.205	0.0	1.0	30.8	34.7	-40.4	53.3	310	0.683	0.0	1.0			
344	312	311	0.7	0.0	1.0	42.2	63.2	-17.8	65.6	344	0.234	0.0	1.0	31.3	35.7	-39.6	53.4	312	0.7	0.0	1.0	0.225	0.0	1.0	31.1	35.4	-39.8	53.4	311	0.7	0.0	1.0			
345	313	312	0.716	0.0	1.0	42.5	64.1	-16.9	66.3	345	0.252	0.0	1.0	31.6	36.5	-39.0	53.5	313	0.717	0.0	1.0	0.245	0.0	1.0	31.5	36.1	-39.3	53.4	312	0.717	0.0	1.0			
346	314	313	0.733	0.0	1.0	42.8	65.0	-15.9	66.9	346	0.261	0.0	1.0	31.8	37.3	-38.5	53.7	314	0.733	0.0	1.0	0.256	0.0	1.0	31.7	36.8	-38.8	53.6	313	0.733	0.0	1.0			
347	315	314	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347	0.27	0.0	1.0	31.9	38.2	-38.1	54.0	315	0.75	0.0	1.0	0.265	0.0	1.0	31.8	37.7	-38.4	53.8	314	0.75	0.0	1.0			
347	316	315	0.766	0.0	1.0	43.5	66.4	-14.5	68.0	347	0.279	0.0	1.0	32.1	39.0	-37.6	54.2	316	0.767	0.0	1.0	0.273	0.0	1.0	32.0	38.5	-37.9	54.1	315	0.767	0.0	1.0			
348	317	316	0.783	0.0	1.0	43.8	66.9	-14.1	68.4	348	0.288	0.0	1.0	32.3	39.8	-37.1	54.5	317	0.783	0.0	1.0	0.282	0.0	1.0	32.1	39.3	-37.4	54.3	316	0.783	0.0	1.0			
348	318	317	0.8	0.0	1.0	44.2	67.3	-13.7	68.7	348	0.297	0.0	1.0	32.4	40.7	-36.5	54.7	318	0.8	0.0	1.0	0.29	0.0	1.0	32.3	40.0	-36.9	54.5	317	0.8	0.0	1.0			
348	319	318	0.816	0.0	1.0	44.6	67.8	-13.3	69.1	348	0.306	0.0	1.0	32.6	41.5	-36.0	55.0	319	0.817	0.0	1.0	0.299	0.0	1.0	32.4	40.8	-36.4	54.8	318	0.817	0.0	1.0			
349	320	319	0.833	0.0	1.0	45.0	68.3	-12.9	69.5	349	0.315	0.0	1.0	32.7	42.3	-35.4	55.2	320	0.833	0.0	1.0	0.307	0.0	1.0	32.6	41.6	-35.9	55.0	319	0.833	0.0	1.0			
349	321	320	0.85	0.0	1.0	45.3	68.8	-12.5	69.9	349	0.324	0.0	1.0	32.9	43.1	-34.8	55.5	321	0.85	0.0	1.0	0.315	0.0	1.0	32.7	42.4	-35.4	55.3	320	0.85	0.0	1.0			
350	322	321	0.866	0.0	1.0	45.7	69.2	-12.1	70.3	350	0.333	0.0	1.0	33.1	43.9	-34.2	55.8	322	0.867	0.0	1.0	0.324	0.0	1.0	32.9	43.2	-34.8	55.5	321	0.867	0.0	1.0			
350	323	321	0.883	0.0	1.0	46.1	69.7	-11.7	70.7	350	0.342	0.0	1.0	33.2	44.7	-33.6	56.0	323	0.883	0.0	1.0	0.332	0.0	1.0	33.0	43.9	-34.2	55.7	321	0.883	0.0	1.0			
350	324	322	0.9	0.0	1.0	46.4	70.1	-11.2	71.0	350	0.351	0.0	1.0	33.4	45.5	-33.0	56.3	324	0.9	0.0	1.0	0.341	0.0	1.0	33.2	44.7	-33.7	56.0	322	0.9	0.0	1.0			
351	325	323	0.916	0.0	1.0	46.7	70.6	-10.8	71.4	351	0.359	0.0	1.0	33.5	46.3	-32.3	56.5	325	0.917	0.0	1.0	0.349	0.0	1.0	33.4	45.4	-33.1	56.2	323	0.917	0.0	1.0			
351	326	324	0.933	0.0	1.0	47.0	71.0	-10.3	71.8	351	0.368	0.0	1.0	33.7	47.1	-31.6	56.8	326	0.933	0.0	1.0	0.358	0.0	1.0	33.5	46.2	-32.4	56.5	324	0.933	0.0	1.0			
352	327	325	0.95	0.0	1.0	47.3	71.5	-9.9	72.2	352	0.379	0.0	1.0	34.0	47.9	-31.0	57.1	327	0.95	0.0	1.0	0.366	0.0	1.0	33.7	46.9	-31.8	56.7	325	0.95	0.0	1.0			
352	328	326	0.966	0.0	1.0	47.6	71.9	-9.4	72.5	352	0.397	0.0	1.0	34.5	48.7	-30.4	57.5	328	0.967	0.0	1.0	0.375	0.0	1.0	33.8	47.6	-31.2	57.0	326	0.967	0.0	1.0			
352	329	327	0.983	0.0	1.0	47.9	72.4	-9.0	72.9	352	0.414	0.0	1.0	35.1	49.6	-29.7	57.9	329	0.983	0.0	1.0	0.391	0.0	1.0	34.3	48.4	-30.6	57.3	327	0.983	0.0	1.0			
353	330	328	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	353	0.432	0.0	1.0	35.7	50.5	-29.1	58.3	330	1.0	0.0	1.0	0.407	0.0	1.0	34.9	49.3	-30.0	57.7	328	1.0	0.0	1.0			
353	331	329	1.0	0.0	0.983	48.2	72.7	-7.9	73.1	353	0.449	0.0	1.0	36.2	51.4	-28.4	58.7	331	1.0	0.0	0.983	0.424	0.0	1.0	35.4	50.1	-29.4	58.1	329	1.0	0.0	0.983			
354	332	330	1.0	0.0	0.966	48.2	72.5	-7.4	72.9	354	0.467	0.0	1.0	36.8	52.2	-27.7	59.1	332	1.0	0.0	0.967	0.441	0.0	1.0	35.9	50.9	-28.7	58.5	330	1.0	0.0	0.967			
354	333	331	1.0	0.0	0.95	48.2	72.4	-6.8	72.7	354	0.484	0.0	1.0	37.4	53.1	-26.9</																			

Data of Maximum color M in colorimetric system Offset standard print; separation cmycn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_c: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours RYGBM_d: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours RYGBM_e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Six hue angles of the device colours <i>RYGCBM</i> _d : <i>h</i> _{abd} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours <i>RYGCBM</i> _e : <i>h</i> _{abe} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																																
<i>h</i> _{abd}	<i>h</i> _{abs}	<i>h</i> _{abe}	<i>rgb</i> [*] _{dd361M}	<i>LAB</i> [*] _{dd361Mi} (x=LabCh)	<i>rgb</i> [*] _{ds361Mi}	<i>LAB</i> [*] _{dsx361Mi} (x=LabCh)	<i>rgb</i> [*] _{dd361Mi}	<i>rgb</i> [*] _{de361Mi}	<i>LAB</i> [*] _{dex361Mi} (x=LabCh)	<i>rgb</i> [*] _{dd361Mi}	<i>rgb</i> [*] _{dd361Mi}	<i>rgb</i> [*] _{dd}	<i>rgb</i> [*] _{ds}	<i>rgb</i> [*] _{de}																		
360	345	342	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360	0.713	0.0	1.0	42.5	64.0	-17.0	66.2	345	1.0	0.0	0.75	0.678	0.0	1.0	41.9	61.9	-19.0	64.8	342	1.0	0.0	0.75
361	346	343	1.0	0.0	0.733	48.1	70.3	1.3	70.3	361	0.73	0.0	1.0	42.8	64.9	-16.1	66.9	346	1.0	0.0	0.733	0.693	0.0	1.0	42.2	62.8	-18.2	65.4	343	1.0	0.0	0.733
361	347	344	1.0	0.0	0.716	48.1	70.1	2.2	70.1	361	0.746	0.0	1.0	43.1	65.8	-15.1	67.5	347	1.0	0.0	0.717	0.709	0.0	1.0	42.4	63.7	-17.3	66.0	344	1.0	0.0	0.717
362	348	345	1.0	0.0	0.7	48.1	69.9	3.1	70.0	362	0.782	0.0	1.0	43.9	66.9	-14.1	68.4	348	1.0	0.0	0.7	0.724	0.0	1.0	42.7	64.6	-16.4	66.6	345	1.0	0.0	0.7
363	349	346	1.0	0.0	0.683	48.1	69.7	4.0	69.8	363	0.823	0.0	1.0	44.8	68.0	-13.1	69.3	349	1.0	0.0	0.683	0.74	0.0	1.0	43.0	65.4	-15.5	67.3	346	1.0	0.0	0.683
364	350	347	1.0	0.0	0.666	48.0	69.5	4.9	69.7	364	0.864	0.0	1.0	45.7	69.2	-12.1	70.3	350	1.0	0.0	0.667	0.764	0.0	1.0	43.4	66.4	-14.5	68.0	347	1.0	0.0	0.667
364	351	348	1.0	0.0	0.65	48.0	69.3	5.7	69.5	364	0.905	0.0	1.0	46.5	70.3	-11.0	71.2	351	1.0	0.0	0.65	0.803	0.0	1.0	44.3	67.5	-13.6	68.9	348	1.0	0.0	0.65
365	352	349	1.0	0.0	0.633	48.0	69.0	6.6	69.3	365	0.946	0.0	1.0	47.3	71.4	-9.9	72.1	352	1.0	0.0	0.633	0.842	0.0	1.0	45.2	68.6	-12.7	69.8	349	1.0	0.0	0.633
366	353	350	1.0	0.0	0.616	48.0	68.8	7.5	69.2	366	0.988	0.0	1.0	48.0	72.5	-8.8	73.1	353	1.0	0.0	0.617	0.881	0.0	1.0	46.1	69.7	-11.7	70.6	350	1.0	0.0	0.617
367	354	351	1.0	0.0	0.6	47.9	68.7	8.5	69.2	367	1.0	0.0	0.973	48.3	72.6	-7.5	73.0	354	1.0	0.0	0.6	0.92	0.0	1.0	46.8	70.7	-10.7	71.5	351	1.0	0.0	0.6
367	355	352	1.0	0.0	0.583	47.9	68.6	9.4	69.2	367	1.0	0.0	0.935	48.3	72.3	-6.2	72.5	355	1.0	0.0	0.583	0.959	0.0	1.0	47.5	71.8	-9.6	72.4	352	1.0	0.0	0.583
368	356	353	1.0	0.0	0.566	47.9	68.4	10.3	69.2	368	1.0	0.0	0.896	48.3	71.9	-4.9	72.1	356	1.0	0.0	0.567	0.998	0.0	1.0	48.2	72.8	-8.5	73.3	353	1.0	0.0	0.567
369	357	354	1.0	0.0	0.55	47.8	68.2	11.2	69.2	369	1.0	0.0	0.86	48.3	71.5	-3.6	71.6	357	1.0	0.0	0.55	1.0	0.0	0.965	48.3	72.6	-7.3	72.9	354	1.0	0.0	0.55
370	358	355	1.0	0.0	0.533	47.8	68.1	12.1	69.1	370	1.0	0.0	0.827	48.2	71.2	-2.4	71.3	358	1.0	0.0	0.533	1.0	0.0	0.929	48.3	72.2	-6.0	72.5	355	1.0	0.0	0.533
370	359	356	1.0	0.0	0.516	47.7	67.9	13.1	69.1	370	1.0	0.0	0.794	48.2	70.9	-1.1	70.9	359	1.0	0.0	0.517	1.0	0.0	0.892	48.3	71.8	-4.8	72.0	356	1.0	0.0	0.517
371	360	352	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371	1.0	0.0	0.761	48.2	70.6	0.0	70.6	360	1.0	0.0	0.5	0.949	0.0	1.0	47.3	71.5	-9.9	72.2	352	1.0	0.0	0.5
372	361	353	1.0	0.0	0.483	47.7	67.5	15.0	69.2	372	1.0	0.0	0.735	48.1	70.3	1.2	70.3	361	1.0	0.0	0.483	0.995	0.0	1.0	48.2	72.7	-8.6	73.2	353	1.0	0.0	0.483
373	362	354	1.0	0.0	0.466	47.7	67.3	16.1	69.2	373	1.0	0.0	0.712	48.1	70.1	2.4	70.1	362	1.0	0.0	0.467	1.0	0.0	0.962	48.3	72.5	-7.2	72.9	354	1.0	0.0	0.467
374	363	355	1.0	0.0	0.45	47.7	67.2	17.1	69.3	374	1.0	0.0	0.69	48.1	69.8	3.7	69.9	363	1.0	0.0	0.45	1.0	0.0	0.919	48.3	72.1	-5.7	72.3	355	1.0	0.0	0.45
375	364	356	1.0	0.0	0.433	47.7	67.0	18.2	69.4	375	1.0	0.0	0.667	48.1	69.5	4.9	69.7	364	1.0	0.0	0.433	1.0	0.0	0.876	48.3	71.7	-4.3	71.8	356	1.0	0.0	0.433
376	365	357	1.0	0.0	0.416	47.7	66.7	19.2	69.5	376	1.0	0.0	0.645	48.1	69.2	6.1	69.5	365	1.0	0.0	0.417	1.0	0.0	0.839	48.3	71.4	-2.9	71.4	357	1.0	0.0	0.417
376	366	358	1.0	0.0	0.4	47.7	66.5	20.3	69.5	376	1.0	0.0	0.623	48.0	68.9	7.2	69.3	366	1.0	0.0	0.4	1.0	0.0	0.802	48.2	71.0	-1.5	71.0	358	1.0	0.0	0.4
377	367	359	1.0	0.0	0.383	47.7	66.3	21.3	69.6	377	1.0	0.0	0.601	48.0	68.8	8.4	69.3	367	1.0	0.0	0.383	1.0	0.0	0.765	48.2	70.6	-0.1	70.6	359	1.0	0.0	0.383
378	368	360	1.0	0.0	0.366	47.7	66.1	22.3	69.7	378	1.0	0.0	0.58	47.9	68.6	9.6	69.3	368	1.0	0.0	0.367	1.0	0.0	0.735	48.1	70.3	1.2	70.3	360	1.0	0.0	0.367
379	369	362	1.0	0.0	0.35	47.7	66.0	23.2	69.9	379	1.0	0.0	0.558	47.9	68.4	10.8	69.2	369	1.0	0.0	0.35	1.0	0.0	0.71	48.1	70.1	2.6	70.1	362	1.0	0.0	0.35
380	370	363	1.0	0.0	0.333	47.7	65.8	24.2	70.2	380	1.0	0.0	0.536	47.8	68.1	12.0	69.2	370	1.0	0.0	0.333	1.0	0.0	0.685	48.1	69.8	3.9	69.9	363	1.0	0.0	0.333
380	371	364	1.0	0.0	0.316	47.7	65.7	25.1	70.4	380	1.0	0.0	0.515	47.8	67.9	13.2	69.2	371	1.0	0.0	0.317	1.0	0.0	0.66	48.1	69.4	5.2	69.6	364	1.0	0.0	0.317
381	372	365	1.0	0.0	0.3	47.7	65.6	26.0	70.6	381	1.0	0.0	0.494	47.8	67.7	14.4	69.2	372	1.0	0.0	0.3	1.0	0.0	0.635	48.1	69.1	6.6	69.4	365	1.0	0.0	0.3
382	373	366	1.0	0.0	0.283	47.7	65.4	27.0	70.8	382	1.0	0.0	0.475	47.8	67.5	15.6	69.3	373	1.0	0.0	0.283	1.0	0.0	0.611	48.0	68.8	7.9	69.3	366	1.0	0.0	0.283
383	374	367	1.0	0.0	0.266	47.7	65.2	27.9	71.0	383	1.0	0.0	0.456	47.8	67.3	16.8	69.3	374	1.0	0.0	0.267	1.0	0.0	0.587	48.0	68.6	9.2	69.3	367	1.0	0.0	0.267
383	375	368	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383	1.0	0.0	0.437	47.8	67.1	18.0	69.4	375	1.0	0.0	0.25	1.0	0.0	0.563	47.9	68.4	10.6	69.2	368	1.0	0.0	0.25
384	376	369	1.0	0.0	0.233	47.6	65.0	29.7	71.5	384	1.0	0.0	0.418	47.8	66.8	19.2	69.5	376	1.0	0.0	0.233	1.0	0.0	0.539	47.8	68.2	11.9	69.2	369	1.0	0.0	0.233
385	377	370	1.0	0.0	0.216	47.6	64.9	30.5	71.8	385	1.0	0.0	0.399	47.8	66.5	20.3	69.6	377	1.0	0.0	0.217	1.0	0.0	0.515	47.8	67.9	13.2	69.2	370	1.0	0.0	0.217
385	378	372	1.0	0.0	0.2	47.6	64.9	31.4	72.1	385	1.0	0.0	0.38	47.8	66.3	21.5	69.7	378	1.0	0.0	0.2	1.0	0.0	0.492								

TUB material: code=rha4ta
nyn6* (CMYK)

see similar files: <http://130.149.60.45/~farbmetrik/QE95/QE95.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

V L O Y N
http://130.149.60.45/~farbmatrik/QE95/QE95L0FP.PDF /PS; 3D-linearization
QE95/QE95LE30FP.DAT in file (F), page 21/33

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

TUB-test chart QE95; hue code: $H_e^* = G50B_e$
colors and differences, ΔE^*

[illegible]


 TUB-test chart QE95; hue code: $H_e^* = G50B_e$
 colors and differences, ΔE^*

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

1-1132130-F0 QE950-7N, Page 22/33-F 1-1132130-F0

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

http://130.149.60.45/~farbmatrik/QE95/QE95L0FP.PDF /.PS; 3D-linearization									
F: 3D-linearization QE95/QE95LE30FP.DAT in file (F), page 23/33									
n	HC*File	rgb*File	icL*File	hsa*File	rgb*File	LabCh*File	cmyn*sep	cmyn*sep	delta
243	R00Y.037.037a	0.375 0.0 0.125	0.375 0.375 0.187	390	0.375 0.0 0.078	28.9	24.3	26.9	25.4
244	R10Y.037.037a	0.375 0.0 0.125	0.375 0.375 0.187	371	0.375 0.0 0.247	29.0	26.0	26.1	26.9
245	B65R.037.037a	0.375 0.0 0.125	0.375 0.375 0.187	349	0.277 0.0 0.375	27.1	24.5	25.8	25.2
246	B65R.037.037a	0.375 0.0 0.125	0.375 0.375 0.187	330	0.152 0.0 0.375	24.1	18.4	11.2	21.6
247	B30R.050.050a	0.375 0.0 0.125	0.375 0.375 0.187	306	0.136 0.0 0.5	24.8	19.0	19.0	27.0
248	B30R.062.062a	0.375 0.0 0.125	0.375 0.375 0.187	317	0.078 0.0 0.625	24.9	19.9	26.6	33.2
249	B25R.075.075a	0.375 0.0 0.125	0.375 0.375 0.187	300	0.034 0.0 0.75	24.5	19.9	34.3	39.7
250	B20R.087.087a	0.375 0.0 0.125	0.375 0.375 0.187	295	0.007 0.0 0.875	24.8	19.7	41.4	45.8
251	B18R.100.100a	0.375 0.0 0.125	0.375 0.375 0.187	292	0.0 0.078 1.0	27.4	19.6	47.2	51.1
252	R31Y.037.037a	0.375 0.125 0.0	0.375 0.375 0.187	49	0.375 0.077 0.0	31.4	18.0	19.1	26.3
253	R00Y.037.025a	0.375 0.125 0.125	0.375 0.375 0.187	390	0.375 0.124 0.177	34.9	16.2	7.7	17.9
254	R00Y.037.025a	0.375 0.125 0.125	0.375 0.375 0.187	360	0.362 0.124 0.375	34.8	17.8	2.4	18.0
255	B50R.037.025a	0.375 0.125 0.125	0.375 0.375 0.187	330	0.226 0.124 0.375	31.7	12.3	7.5	14.4
256	B34R.050.037a	0.375 0.125 0.125	0.375 0.375 0.187	311	0.201 0.124 0.5	32.3	13.3	15.1	19.9
257	B25R.062.050a	0.375 0.125 0.125	0.375 0.375 0.187	300	0.147 0.125 0.625	31.1	12.8	22.9	26.4
258	B19R.075.062a	0.375 0.125 0.125	0.375 0.375 0.187	293	0.125 0.162 0.75	33.9	13.8	29.5	32.2
259	B15R.087.050a	0.375 0.125 0.125	0.375 0.375 0.187	286	0.125 0.225 0.875	35.8	12.6	35.2	37.4
260	B13R.100.087a	0.375 0.125 0.125	0.375 0.375 0.187	281	0.125 0.277 1.0	38.6	12.4	48.9	42.7
261	R68Y.037.037a	0.375 0.25 0.0	0.375 0.375 0.187	71	0.375 0.185 0.0	36.2	8.6	25.2	26.7
262	R68Y.037.025a	0.375 0.25 0.125	0.375 0.375 0.187	60	0.375 0.212 0.124	38.0	8.9	14.7	17.2
263	R00Y.037.012a	0.375 0.25 0.375	0.375 0.125 0.312	390	0.375 0.249 0.375	40.8	8.1	3.8	8.9
264	B50R.037.012a	0.375 0.25 0.375	0.375 0.125 0.312	330	0.3 0.249 0.375	39.2	6.1	-3.7	7.2
265	B25R.062.025a	0.375 0.25 0.375	0.375 0.125 0.312	306	0.261 0.249 0.5	39.4	6.6	-11.4	13.2
266	B15R.087.025a	0.375 0.25 0.375	0.375 0.125 0.312	289	0.25 0.35 0.625	41.3	6.3	17.6	18.7
267	B10R.075.025a	0.375 0.25 0.375	0.375 0.125 0.312	284	0.25 0.35 0.75	44.0	6.2	24.1	26.5
268	B08R.100.025a	0.375 0.25 0.375	0.375 0.125 0.312	279	0.25 0.35 0.875	49.3	6.2	32.4	35.4
269	Y00C.037.037a	0.375 0.375 0.0	0.375 0.375 0.187	90	0.375 0.315 0.0	42.1	-1.3	32.9	32.9
270	Y00C.037.025a	0.375 0.375 0.125	0.375 0.375 0.187	90	0.375 0.335 0.124	43.7	-0.8	21.9	21.9
271	Y00C.037.012a	0.375 0.375 0.375	0.375 0.125 0.312	90	0.375 0.355 0.249	45.3	-0.4	10.9	10.9
272	NW.037a	0.375 0.375 0.375	0.375 0.125 0.312	360	0.375 0.375 0.375	46.8	0.0	0.0	0.0
273	B00R.050.012a	0.375 0.375 0.375	0.375 0.125 0.312	306	0.375 0.421 0.5	49.4	0.1	-5.6	5.6
274	B00R.062.025a	0.375 0.375 0.375	0.375 0.125 0.312	270	0.375 0.468 0.625	51.9	0.1	-11.3	11.3
275	B00R.075.037a	0.375 0.375 0.375	0.375 0.125 0.312	270	0.375 0.515 0.75	54.4	0.5	-17.0	17.0
276	B00R.075.037a	0.375 0.375 0.375	0.375 0.125 0.312	270	0.375 0.562 0.875	56.9	0.6	-22.7	22.7
277	B00R.075.037a	0.375 0.375 0.375	0.375 0.125 0.312	270	0.375 0.609 1.0	59.5	0.8	-28.3	28.4
278	Y23C.050.050a	0.375 0.5 0.0	0.375 0.375 0.187	104	0.309 0.5 0.0	47.3	-12.7	37.9	40.0
279	Y31G.050.037a	0.375 0.5 0.125	0.375 0.375 0.187	109	0.318 0.5 0.124	48.3	-11.5	25.2	27.7
280	Y50C.050.025a	0.375 0.5 0.25	0.375 0.375 0.187	120	0.331 0.5 0.249	49.1	-10.3	13.6	17.0
281	G00B.050.012a	0.375 0.5 0.375	0.375 0.125 0.312	150	0.375 0.5 0.386	51.2	-8.3	2.6	8.8
282	G00B.050.012a	0.375 0.5 0.375	0.375 0.125 0.312	150	0.375 0.5 0.466	51.7	-4.9	-3.7	6.6
283	G50B.050.012a	0.375 0.5 0.5	0.375 0.125 0.312	240	0.375 0.571 0.625	55.6	-5.2	-11.0	12.2
284	G73B.062.025a	0.375 0.5 0.625	0.375 0.125 0.312	255	0.375 0.6 0.75	57.7	-4.6	-16.7	17.3
285	G73B.062.025a	0.375 0.5 0.625	0.375 0.125 0.312	255	0.375 0.646 0.875	60.2	-4.3	-22.4	22.9
286	G88B.087.037a	0.375 0.5 0.875	0.375 0.125 0.312	256	0.375 0.692 1.0	62.7	-4.1	-28.1	28.4
287	G90B.100.062a	0.375 0.5 1.0	0.375 0.125 0.312	113	0.271 0.625 0.0	50.8	-20.7	38.6	44.2
288	Y38C.062.062a	0.375 0.625 0.0	0.375 0.375 0.187	113	0.288 0.625 0.125	51.4	-20.7	27.2	34.1
289	Y38C.062.050a	0.375 0.625 0.125	0.375 0.375 0.187	131	0.319 0.625 0.25	52.6	-19.4	16.2	25.3
290	Y68C.062.037a	0.375 0.625 0.375	0.375 0.125 0.312	131	0.319 0.625 0.398	55.5	-16.7	5.3	17.6
291	G25B.062.025a	0.375 0.625 0.25	0.375 0.375 0.187	180	0.375 0.625 0.5	56.6	-13.3	-2.2	13.4
292	G25B.062.025a	0.375 0.625 0.25	0.375 0.375 0.187	180	0.375 0.625 0.558	56.6	-9.9	-7.4	12.4
293	G58B.075.037a	0.375 0.625 0.375	0.375 0.125 0.312	229	0.375 0.7 0.74	62.0	-11.4	-15.9	19.5
294	G58B.075.037a	0.375 0.625 0.375	0.375 0.125 0.312	240	0.375 0.767 0.875	64.3	-9.0	-22.0	24.4
295	G80B.100.062a	0.375 0.625 1.0	0.375 0.375 0.187	247	0.375 0.786 1.0	66.3	-9.6	-27.7	29.4
296	G80B.100.062a	0.375 0.625 1.0	0.375 0.375 0.187	247	0.375 0.875 0.0	66.3	-9.6	-27.7	29.4
297	Y30C.075.050a	0.375 0.75 0.0	0.375 0.375 0.187	127	0.245 0.75 0.0	53.7	-31.0	40.8	51.2
298	Y30C.075.050a	0.375 0.75 0.125	0.375 0.375 0.187	127	0.277 0.75 0.125	54.3	-30.1	28.6	42.2
299	G00B.075.025a	0.375 0.75 0.375	0.375 0.125 0.312	156	0.375 0.75 0.249	56.7	-28.1	35.0	34.0
300	G15B.075.037a	0.375 0.75 0.375	0.375 0.125 0.312	169	0.375 0.75 0.386	58.2	-23.6	15.6	21.6
301	G15B.075.037a	0.375 0.75 0.375	0.375 0.125 0.312	169	0.375 0.75 0.508	60.4	-22.6	19.2	26.6
302	G34B.075.037a	0.375 0.75 0.625	0.375 0.375 0.187	191	0.375 0.75 0.585	60.9	-18.1	-6.4	19.2
303	G50B.075.037a	0.375 0.75 0.875	0.375 0.375 0.187	224	0.375 0.75 0.65	61.4	-14.9	-11.2	25.6
304	G61B.087.050a	0.375 0.75 1.0	0.375 0.375 0.187	233	0.375 0.875 0.829	66.9	-16.5	-19.5	28.6
305	Y58C.087.087a	0.375 0.75 1.0	0.375 0.375 0.187	225	0.375 0.966 1.0	71.4	-17.1	-27.4	32.3
306	Y58C.087.087a	0.375 0.75 1.0	0.375 0.375 0.187	225	0.375 0.966 1.0	71.4	-17.1	-27.4	32.3
307	Y68C.087.062a	0.375 0.875 0.125	0.375 0.375 0.187	131	0.263 0.875 0.125	58.4	-40.5	43.3	59.3
308	Y81C.087.062a	0.375 0.875 0.25	0.375 0.375 0.187	131	0.299 0.875 0.25	60.7	-38.8	32.2	43.6
309	G00B.087.050a	0.375 0.875 0.375	0.375 0.125 0.312	156	0.375 0.875 0.421	64.2	-33.5	10.7	35.2
310	G11B.087.050a	0.375 0.875 0.375	0.375 0.125 0.312	164	0.375 0.875 0.524	64.8	-30.1	2.6	30.2
311	G23B.087.050a	0.375 0.875 0.625	0.375 0.375 0.187	196	0.375 0.875 0.605	65.8	-26.6	-4.5	26.9
312	G38B.087.050a	0.375 0.875 0.875	0.375 0.375 0.187	211	0.375 0.875 0.678	66.3	-23.0	-10.3	25.2
313	G50B.087.050a	0.375 0.875 1.0	0.375 0.375 0.187	221	0.375 0.875 0.742	66.3	-19.8	-14.9	24.9
314	G59B.100.062a	0.375 0.875 1.0	0.375 0.375 0.187	221	0.375 0.875 0.919	71.7	-23.1	31.6	22.7
315	Y63C.100.062a	0.375 1.0 0.0	0.375 0.375 0.187	134	0.229 1.0 0.0	60.2	-49.1	46.4	67.6
316	Y73C.100.087a	0.375 1.0 0.125	0.375 0.375 0.187	134	0.246 1.0 0.125	62.5	-47.4	35.0	58.9
317	Y85C.100.075a	0.375 1.0 0.25	0.375 0.375 0.187	141	0.293 1.0 0.25	64.7	-46.9	25.2	53.3
318	G00B.100.062a	0.375 1.0 0.375	0.375 0.125 0.312	156	0.375 1.0 0.433	68.5	-41.9	13.4	44.0
319	G09B.100.062a	0.375 1.0 0.5	0.375 0.125 0.312	161	0.375 1.0 0.541	69.1	-38.4	5.2	38.7
320	G19B.100.062a	0.375 1.0 0.625	0.375 0.125 0.312	173	0.375 1.0 0.622	69.6	-35.0	-1.9	35.1
321	G30B.100.062a	0.375 1.0 0.875	0.375 0.125 0.312	199	0.375 1.0 0.702	70.2	-37.3	-8.9	32.5
322	G40B.100.062a	0.375 1.0 1.0	0.375 0.125 0.312	207	0.375 1.0 0.771	70.7	-27.9	-14.2	31.3
323	G50B.100.062a	0.375 1.0 1.0	0.375 0.125 0.312	210	0.375 1.0 0.834	71.2	-24.8	-18.7	31.1

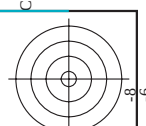
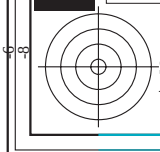
F: 3D-linearization QE95/QE95LE30FP.DAT in file (F), page 24/33									
n	HC*File	rgb_File	lcr_File	hsa_File	rgb*File	LabCh*File	cmyn*_sep,File	cmyn*_sep,File	delta
324	R050_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
325	R050_050_050de	0.5	0.5	0.5	0.5	32.7	32.4	35.9	25.4
326	R050_050_050de	0.5	0.5	0.5	0.5	32.7	32.4	35.9	25.4
327	B010_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
328	B010_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
329	B040_062_062de	0.5	0.5	0.5	0.5	26.2	24.6	25.2	34.6
330	B040_062_062de	0.5	0.5	0.5	0.5	26.2	24.6	25.2	34.6
331	B040_062_062de	0.5	0.5	0.5	0.5	26.2	24.6	25.2	34.6
332	B040_062_062de	0.5	0.5	0.5	0.5	26.2	24.6	25.2	34.6
333	B040_062_062de	0.5	0.5	0.5	0.5	26.2	24.6	25.2	34.6
334	R050_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
335	R050_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
336	R050_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
337	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
338	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
339	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
340	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
341	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
342	R050_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
343	R050_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
344	R050_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
345	R050_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
346	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
347	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
348	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
349	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
350	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
351	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
352	R050_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
353	R050_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
354	R050_050_050de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
355	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
356	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
357	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
358	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
359	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
360	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
361	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
362	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
363	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
364	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
365	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
366	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
367	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
368	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
369	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
370	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
371	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
372	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
373	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
374	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
375	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
376	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
377	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
378	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
379	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
380	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
381	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
382	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
383	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
384	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
385	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
386	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
387	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
388	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
389	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
390	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
391	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
392	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
393	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
394	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
395	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
396	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
397	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
398	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
399	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
400	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
401	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
402	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
403	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4
404	B050_050_037de	0.5	0.5	0.5	0.5	32.6	32.4	35.9	25.4

http://130.149.60.45/~farbmatrik/QE95/QE95L0FP.PDF /.PS; 3D-linearization F: 3D-linearization QE95/QE95LE30FP.DAT in file (F), page 31/33										
n	HVC-File	rgb-File	icc-File	hsb-File	rgb*File	LabC*File	cmyn*sep-File	hsn*de	rgb*File	LabCH*File
891	NW_100de	1.0 1.0 1.0	1.0 1.0 1.0	360 360 360	1.0 1.0 1.0	95.4 6.1	0.0 0.0 0.0	360 360 360	1.0 1.0 1.0	95.4 6.1
892	B50R_100.012de	0.875 1.0 0.875	1.0 0.125 0.937	0.925 0.875 1.0	0.875 1.0 0.875	87.9 6.1	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
893	B50R_100.025de	0.75 1.0 0.75	1.0 0.25 0.812	0.875 0.75 1.0	0.75 1.0 0.75	80.3 12.3	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
894	B50R_100.037de	0.625 1.0 0.625	1.0 0.375 0.687	0.75 0.625 1.0	0.625 1.0 0.625	72.7 18.6	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
895	B50R_100.050de	0.5 1.0 0.5	1.0 0.5 0.5	0.625 0.5 1.0	0.5 1.0 0.5	65.1 24.6	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
896	B50R_100.062de	0.375 1.0 0.375	1.0 0.625 0.687	0.5 0.375 1.0	0.375 1.0 0.375	57.5 30.9	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
897	B50R_100.075de	0.25 1.0 0.25	1.0 0.75 0.625	0.375 0.25 1.0	0.25 1.0 0.25	50.0 36.9	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
898	B50R_100.087de	0.125 1.0 0.125	1.0 0.875 0.562	0.25 0.125 1.0	0.125 1.0 0.125	42.4 43.1	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
899	B50R_100.100de	0.0 1.0 0.0	1.0 1.0 0.0	0.125 0.0 1.0	0.0 1.0 0.0	34.8 49.2	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
900	GOB_100.012de	0.875 1.0 0.875	1.0 0.125 0.937	0.875 1.0 0.875	1.0 0.125 0.937	87.9 6.1	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
901	NW_087de	0.875 0.875 0.875	0.875 0.875 0.875	0.875 0.875 0.875	0.875 0.875 0.875	87.9 6.1	0.0 0.0 0.0	360 360 360	1.0 1.0 1.0	95.4 6.1
902	B50R_087.012de	0.875 0.75 0.875	0.875 0.125 0.812	0.875 0.75 0.875	0.75 0.875 0.875	78.1 6.1	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
903	B50R_087.025de	0.875 0.625 0.875	0.875 0.25 0.75	0.875 0.625 0.875	0.625 0.75 0.875	70.6 12.3	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
904	B50R_087.037de	0.875 0.5 0.875	0.875 0.375 0.687	0.875 0.5 0.875	0.5 0.875 0.875	63.0 18.4	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
905	B50R_087.050de	0.875 0.375 0.875	0.875 0.625 0.625	0.875 0.375 0.875	0.375 0.625 0.875	55.4 24.6	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
906	B50R_087.062de	0.875 0.25 0.875	0.875 0.75 0.562	0.875 0.25 0.875	0.25 0.562 0.875	47.8 30.9	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
907	B50R_087.075de	0.875 0.125 0.875	0.875 0.875 0.5	0.875 0.125 0.875	0.125 0.5 0.875	40.2 36.9	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
908	B50R_087.087de	0.875 0.0 0.875	0.875 0.875 0.437	0.875 0.0 0.875	0.0 0.437 0.875	32.7 43.1	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
909	GOB_100.025de	0.75 1.0 0.75	1.0 0.25 0.875	0.75 1.0 0.75	0.25 0.875 0.75	87.9 6.1	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
910	GOB_100.037de	0.75 0.875 0.75	0.875 0.125 0.812	0.75 0.875 0.75	0.125 0.812 0.75	80.3 12.3	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
911	NW_075de	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	78.1 6.1	0.0 0.0 0.0	360 360 360	1.0 1.0 1.0	95.4 6.1
912	B50R_075.012de	0.75 0.625 0.75	0.75 0.125 0.687	0.75 0.625 0.75	0.625 0.75 0.75	68.4 6.1	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
913	B50R_075.025de	0.75 0.5 0.75	0.75 0.25 0.625	0.75 0.5 0.75	0.5 0.625 0.75	60.8 12.3	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
914	B50R_075.037de	0.75 0.375 0.75	0.75 0.375 0.562	0.75 0.375 0.75	0.375 0.562 0.75	53.3 18.4	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
915	B50R_075.050de	0.75 0.25 0.75	0.75 0.5 0.5	0.75 0.25 0.75	0.25 0.5 0.75	45.7 24.6	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
916	B50R_075.062de	0.75 0.125 0.75	0.75 0.625 0.5	0.75 0.125 0.75	0.125 0.5 0.75	38.1 30.9	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
917	B50R_075.075de	0.75 0.0 0.75	0.75 0.75 0.437	0.75 0.0 0.75	0.0 0.437 0.75	30.5 36.9	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
918	GOB_100.037de	0.625 1.0 0.625	1.0 0.375 0.687	0.625 1.0 0.625	0.375 0.687 0.625	79.3 18.4	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
919	GOB_087.025de	0.625 0.875 0.625	0.875 0.25 0.75	0.625 0.875 0.625	0.25 0.75 0.625	69.6 24.6	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
920	GOB_075.012de	0.625 0.75 0.625	0.75 0.125 0.687	0.625 0.75 0.625	0.125 0.687 0.625	60.8 12.3	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
921	NW_062de	0.625 0.625 0.625	0.625 0.625 0.625	0.625 0.625 0.625	0.625 0.625 0.625	69.6 24.6	0.0 0.0 0.0	360 360 360	1.0 1.0 1.0	95.4 6.1
922	B50R_062.012de	0.625 0.5 0.625	0.625 0.125 0.562	0.625 0.5 0.625	0.5 0.562 0.625	58.7 6.1	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
923	B50R_062.025de	0.625 0.375 0.625	0.625 0.25 0.5	0.625 0.375 0.625	0.375 0.5 0.625	51.1 12.3	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
924	B50R_062.037de	0.625 0.25 0.625	0.625 0.375 0.437	0.625 0.25 0.625	0.25 0.437 0.625	43.5 18.4	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
925	B50R_062.050de	0.625 0.125 0.625	0.625 0.625 0.5	0.625 0.125 0.625	0.125 0.5 0.625	36.0 24.6	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
926	B50R_062.062de	0.625 0.0 0.625	0.625 0.625 0.312	0.625 0.0 0.625	0.0 0.312 0.625	28.4 30.9	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
927	GOB_100.050de	0.5 1.0 0.5	1.0 0.5 0.5	0.5 1.0 0.5	0.5 0.5 0.5	33.5 36.9	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
928	GOB_087.037de	0.5 0.875 0.5	0.875 0.375 0.687	0.5 0.875 0.5	0.375 0.687 0.5	26.4 43.1	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
929	GOB_075.025de	0.5 0.75 0.5	0.75 0.25 0.625	0.5 0.75 0.5	0.25 0.625 0.5	18.4 49.2	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
930	GOB_062.012de	0.5 0.625 0.5	0.625 0.125 0.562	0.5 0.625 0.5	0.125 0.562 0.5	10.7 53.3	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
931	NW_050de	0.5 0.5 0.5	0.5 0.5 0.5	0.5 0.5 0.5	0.5 0.5 0.5	56.5 0.0	0.0 0.0 0.0	360 360 360	1.0 1.0 1.0	95.4 6.1
932	B50R_050.012de	0.5 0.375 0.5	0.5 0.125 0.437	0.5 0.375 0.5	0.125 0.437 0.5	44.2 6.1	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
933	B50R_050.025de	0.5 0.25 0.5	0.5 0.25 0.375	0.5 0.25 0.5	0.25 0.375 0.5	36.0 12.3	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
934	B50R_050.037de	0.5 0.125 0.5	0.5 0.375 0.312	0.5 0.125 0.5	0.125 0.312 0.5	28.4 18.4	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
935	B50R_050.050de	0.5 0.0 0.5	0.5 0.5 0.25	0.5 0.0 0.5	0.0 0.25 0.5	20.9 24.6	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
936	GOB_100.062de	0.375 1.0 0.375	1.0 0.625 0.687	0.375 1.0 0.375	0.625 0.687 0.375	68.4 18.4	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
937	GOB_087.050de	0.375 0.875 0.375	0.875 0.5 0.625	0.375 0.875 0.375	0.5 0.625 0.375	60.8 24.6	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
938	GOB_075.037de	0.375 0.75 0.375	0.75 0.375 0.562	0.375 0.75 0.375	0.375 0.562 0.375	51.1 30.9	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
939	GOB_062.025de	0.375 0.625 0.375	0.625 0.25 0.5	0.375 0.625 0.375	0.25 0.5 0.375	43.5 36.9	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
940	GOB_050.012de	0.375 0.5 0.375	0.5 0.125 0.437	0.375 0.5 0.375	0.125 0.437 0.5	36.0 12.3	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
941	NW_037de	0.375 0.375 0.375	0.375 0.375 0.375	0.375 0.375 0.375	0.375 0.375 0.375	36.0 12.3	0.0 0.0 0.0	360 360 360	1.0 1.0 1.0	95.4 6.1
942	B50R_037.012de	0.375 0.25 0.375	0.375 0.125 0.312	0.375 0.25 0.375	0.125 0.312 0.375	28.4 18.4	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
943	B50R_037.025de	0.375 0.125 0.375	0.375 0.25 0.25	0.375 0.125 0.375	0.25 0.25 0.375	20.9 24.6	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
944	B50R_037.037de	0.375 0.0 0.375	0.375 0.375 0.187	0.375 0.0 0.375	0.0 0.187 0.375	12.3 30.9	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
945	GOB_100.075de	0.25 1.0 0.25	1.0 0.75 0.625	0.25 1.0 0.25	0.75 0.625 0.25	61.1 18.4	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
946	GOB_087.062de	0.25 0.875 0.25	0.875 0.625 0.562	0.25 0.875 0.25	0.625 0.562 0.25	53.3 24.6	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
947	GOB_075.050de	0.25 0.75 0.25	0.75 0.5 0.5	0.25 0.75 0.25	0.5 0.5 0.25	45.7 30.9	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
948	GOB_062.037de	0.25 0.625 0.25	0.625 0.375 0.437	0.25 0.625 0.25	0.375 0.437 0.25	38.1 36.9	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
949	GOB_050.025de	0.25 0.5 0.25	0.5 0.25 0.375	0.25 0.5 0.25	0.25 0.375 0.25	30.5 43.1	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
950	GOB_037.012de	0.25 0.375 0.25	0.375 0.125 0.312	0.25 0.375 0.25	0.125 0.312 0.25	22.9 36.9	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
951	NW_025de	0.25 0.25 0.25	0.25 0.25 0.25	0.25 0.25 0.25	0.25 0.25 0.25	22.9 36.9	0.0 0.0 0.0	360 360 360	1.0 1.0 1.0	95.4 6.1
952	B50R_025.012de	0.25 0.125 0.25	0.25 0.125 0.187	0.25 0.125 0.25	0.125 0.187 0.25	18.4 12.3	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
953	B50R_025.025de	0.25 0.0 0.25	0.25 0.25 0.125	0.25 0.0 0.25	0.0 0.125 0.25	10.7 18.4	0.0 0.0 0.0	293 293 293	0.407 0.0 0.0	34.8 49.2
954	GOB_100.087de	0.125 1.0 0.125	1.0 0.875 0.562	0.125 1.0 0.125	0.875 0.562 0.125	53.3 18.4	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
955	GOB_087.075de	0.125 0.875 0.125	0.875 0.75 0.5	0.125 0.875 0.125	0.75 0.5 0.125	45.7 24.6	0.0 0.0 0.0	154 154 154	0.0 0.0 0.0	52.4 -67.1
956	GOB_075.062de	0.125 0.75 0.125	0.75							

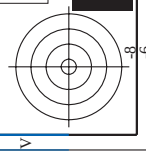


TUB registration: 20130201-QE95/QE95L0FP.PDF /.PS
application for measurement of offset print output, separations

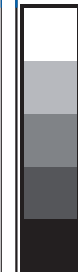
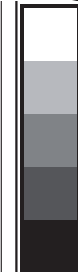
TUB material: code=rha4ta
nyn6* (CMYK)

[illegible]

see similar files: <http://130.149.60.45/~farbmatrik/QE95/QE95.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



TUB registration: 20130201-QE95/QE95L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6* (CMYK)



n	HC*Fide	rgb_Fide	LC_Fide	hsa_Fide	rgb*Fide	LabCH*Fide	cmyn*sep_Fide	cmyn*sep_Fide	rgb*Fide	hsa*de	LabCH*Fide	delta
1053	NW_086de	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	85.0 0.0 0.0	0.024 0.007 0.000	0.179 0.0 0.084	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1054	NW_093de	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	90.2 0.0 0.0	0.02 0.005 0.000	0.084 0.0 0.084	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1055	NW_100de	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1056	NW_000de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1057	NW_006de	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	22.8 0.0 0.0	0.139 0.022 0.000	0.933 0.0 0.084	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1058	NW_013de	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	28.0 0.0 0.0	0.0 0.043 0.048	0.871 0.0 0.825	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1059	NW_020de	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	33.2 0.0 0.0	0.057 0.036 0.015	0.781 0.0 0.731	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1060	NW_026de	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	38.3 0.0 0.0	0.0 0.016 0.005	0.672 0.0 0.628	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1061	NW_033de	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	43.6 0.0 0.0	0.027 0.013 0.018	0.541 0.0 0.541	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1062	NW_040de	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	48.8 0.0 0.0	0.0 0.006 0.006	0.478 0.0 0.405	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1063	NW_046de	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	53.9 0.0 0.0	0.021 0.007 0.021	0.541 0.0 0.541	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1064	NW_053de	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	59.1 0.0 0.0	0.0 0.006 0.006	0.478 0.0 0.405	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1065	NW_060de	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	64.3 0.0 0.0	0.0 0.021 0.011	0.322 0.0 0.26	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1066	NW_066de	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	69.5 0.0 0.0	0.0 0.007 0.005	0.26 0.0 0.179	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1067	NW_073de	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	74.7 0.0 0.0	0.024 0.007 0.007	0.084 0.0 0.084	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1068	NW_080de	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	79.9 0.0 0.0	0.0 0.024 0.005	0.26 0.0 0.179	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1069	NW_086de	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	85.0 0.0 0.0	0.0 0.024 0.005	0.084 0.0 0.084	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1070	NW_093de	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	90.2 0.0 0.0	0.0 0.024 0.005	0.084 0.0 0.084	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1071	NW_100de	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1072	NW_000de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1073	ROY_100_100de	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1074	G50B_100_100de	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1075	G50B_100_100de	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1076	Y06C_100_100de	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1077	B06C_100_100de	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1078	B06C_100_100de	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	360 1.0 1.0	95.4 0.0 0.0	0.0
1079	B50R_100_100de	1.0 0.0 1.0	1.0 0.0 1.0	1.0 0.0 1.0	1.0 0.0 1.0	34.8 49.2 -30.0	0.59 1.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	293 0.0 0.0	34.8 49.2 -30.0	57.7

see similar files: <http://130.149.60.45/~farbmatrik/QE95/QE95.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

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

TUB-test chart QE95: hue code: H*e=G50B_e
colors and differences, ΔE*_a