

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 190/360 = 0.52$

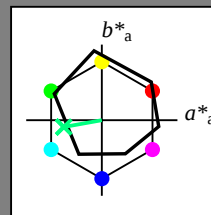
Data for any device (d) or elementary (e) colour:

HIC^*

hue text for the colours of this page:

$H^*_- = G25B_-$

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):

$LabCh^*_{-,Ma}$: 59 -50 -9 51 190

$HIC^*_{-,Ma}$: G25B_100_100-

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

0.0 1.0 0.5 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

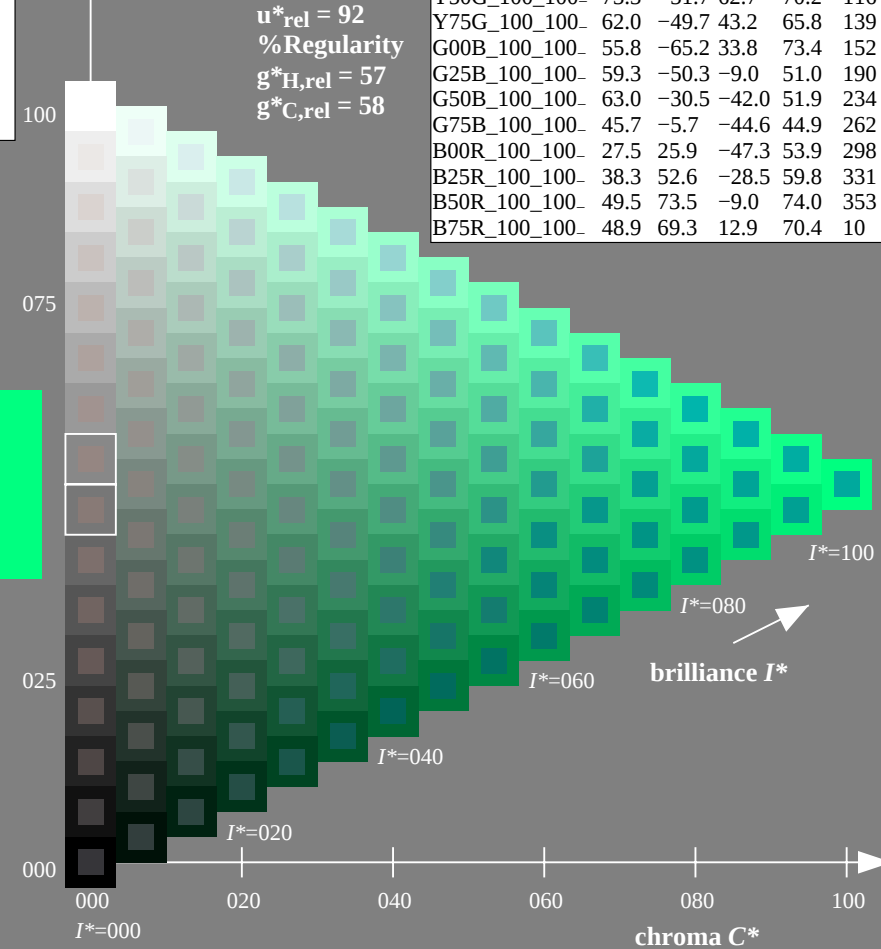
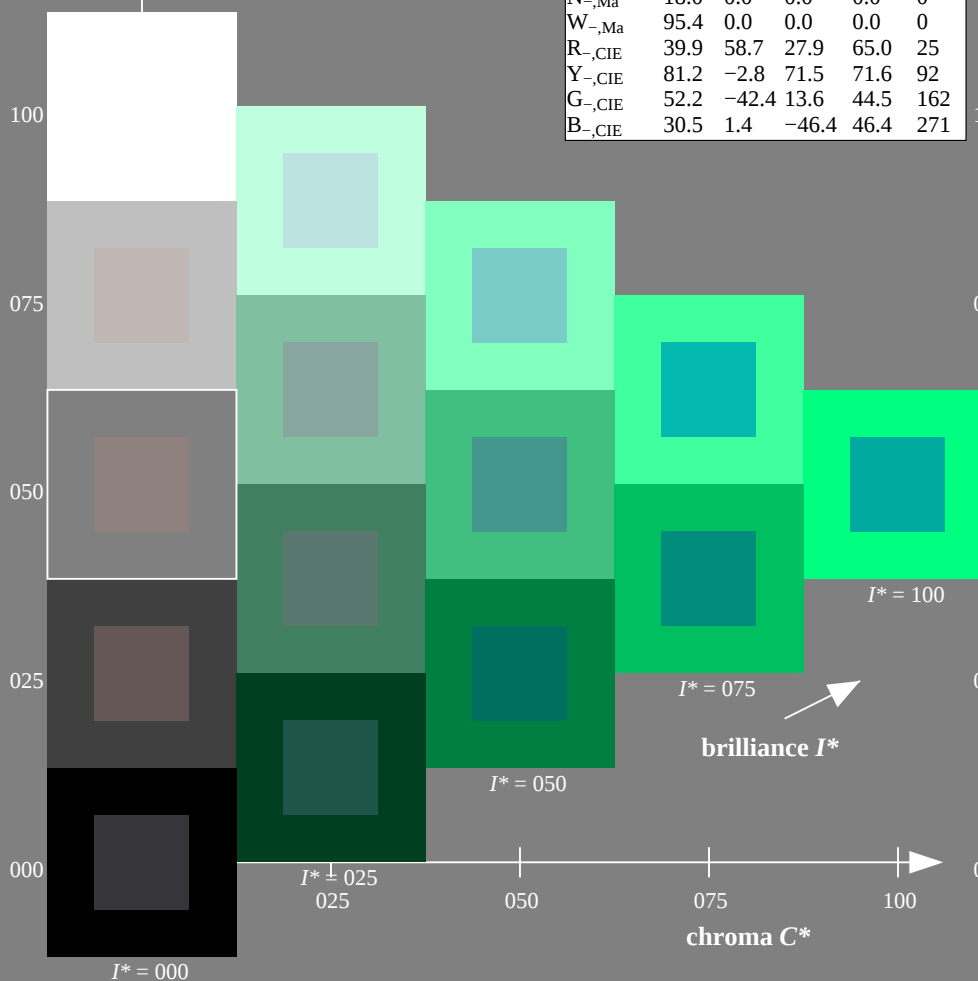
% Regularity

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

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

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 QE84; hue code: $H^*_- = G25B_-$
Test chart according to DIN 33872, 3D=1, de=0, cmk^*

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

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 193/360 = 0.53$

$H^*_d = G25B_d$

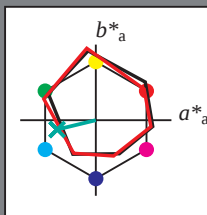
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = G25B_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	47.3	63.8	41.2	76.0	32
$Y_{d,Ma}$	88.3	-11.9	95.1	95.8	97
$G_{d,Ma}$	51.9	-68.8	28.1	74.3	157
$C_{d,Ma}$	58.3	-29.2	-43.7	52.6	236
$B_{d,Ma}$	25.3	23.5	-47.3	52.8	296
$M_{d,Ma}$	48.2	72.8	-8.5	73.3	353
$N_{d,Ma}$	17.7	0.0	0.0	0.0	0
$W_{d,Ma}$	95.4	0.0	0.0	0.0	0
$R_{d,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{d,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{d,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{d,CIE}$	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_d, Ma: 54 \ -51 \ -12 \ 52 \ 193$

$HIC^*_d, Ma: G25B_100_100_d$

$rgbic^*_d, Ma:$

0.0 1.0 0.5 1.0 1.0

triangle lightness T^*

% Gamut

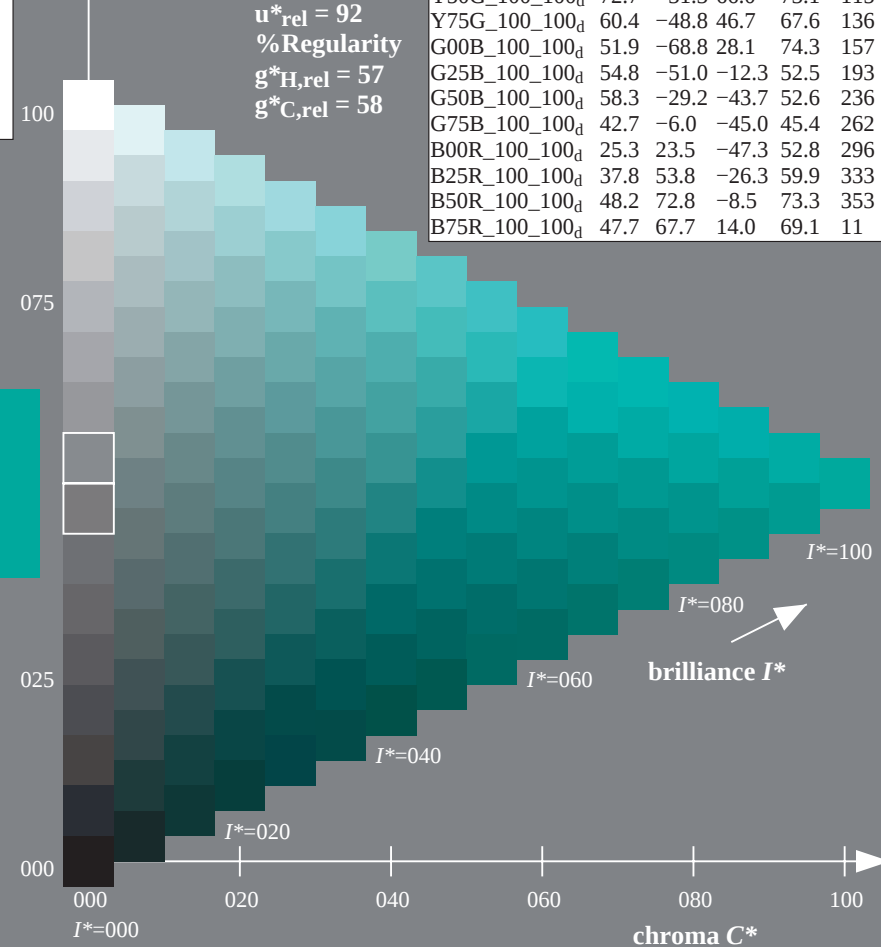
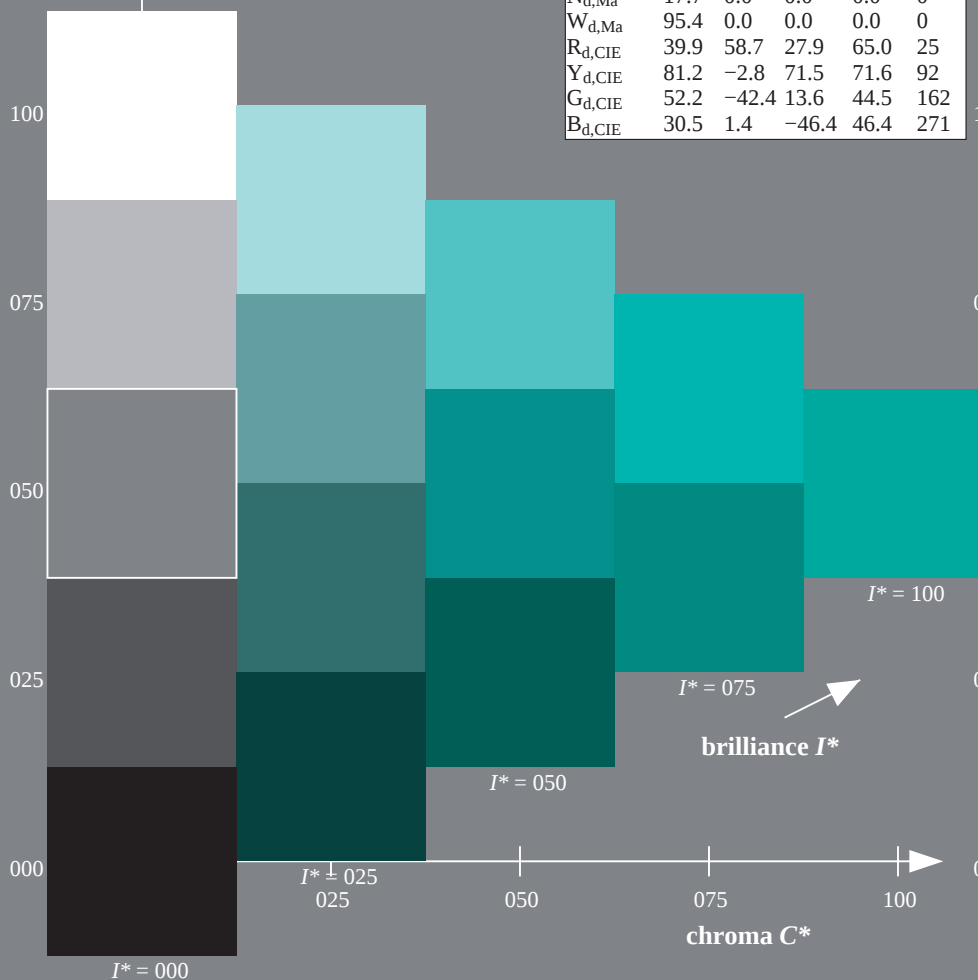
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_100_100_d$	47.3	63.8	41.2	76.0	32
$R25Y_100_100_d$	55.3	45.8	52.2	69.5	48
$R50Y_100_100_d$	67.2	22.6	67.6	71.2	71
$R75Y_100_100_d$	79.9	1.0	83.9	83.9	89
$Y00G_100_100_d$	88.3	-11.9	95.1	95.8	97
$Y25G_100_100_d$	83.3	-19.2	83.7	85.9	102
$Y50G_100_100_d$	72.7	-31.3	66.0	73.1	115
$Y75G_100_100_d$	60.4	-48.8	46.7	67.6	136
$G00B_100_100_d$	51.9	-68.8	28.1	74.3	157
$G25B_100_100_d$	54.8	-51.0	-12.3	52.5	193
$G50B_100_100_d$	58.3	-29.2	-43.7	52.6	236
$G75B_100_100_d$	42.7	-6.0	-45.0	45.4	262
$B00R_100_100_d$	25.3	23.5	-47.3	52.8	296
$B25R_100_100_d$	37.8	53.8	-26.3	59.9	333
$B50R_100_100_d$	48.2	72.8	-8.5	73.3	353
$B75R_100_100_d$	47.7	67.7	14.0	69.1	11



TUB-test chart QE84; hue code: $H^*_d = G25B_d$
Test chart according to DIN 33872, 3D=1, de=0, $cm\dot{y}k^*$

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

Input and Output: Offset Reflective System ORS18a for relative CIE LAB hue $h_{ab,rel} = h_{ab}/360 = 193/360 = 0.53$

$H^*_d = G25B_d$

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

HIC^*_d

hue text for the colours of this page:

$H^*_d = G25B_d$

triangle lightness T^*

Data for maximum colour (Ma):

$LabCh^*_d, Ma$: 54 -51 -12 52 193

HIC^*_d, Ma : G25B_100_100d

$rgbic^*_d, Ma$:

0.0 1.0 0.5 1.0 1.0

triangle lightness T^*

%Gamut

$u^*_{rel} = 92$

%Regularity

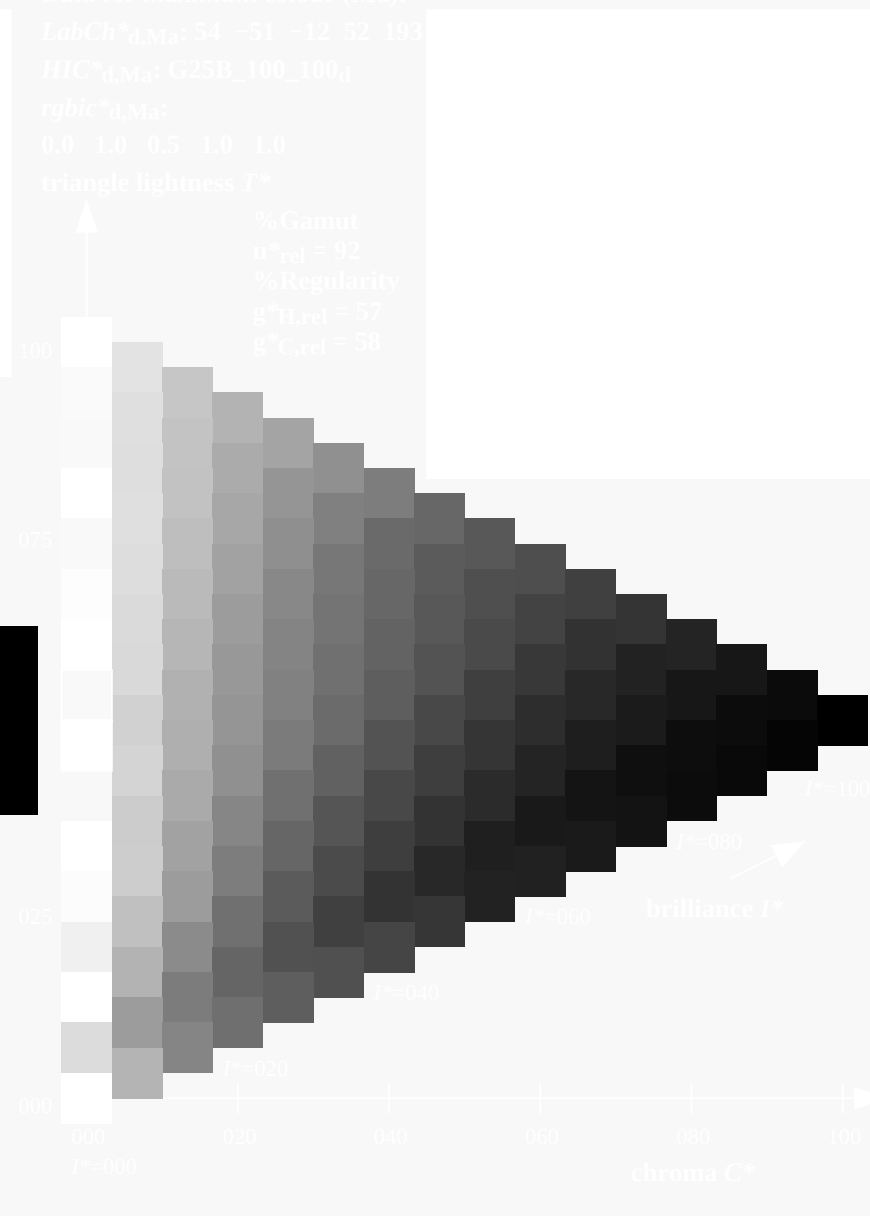
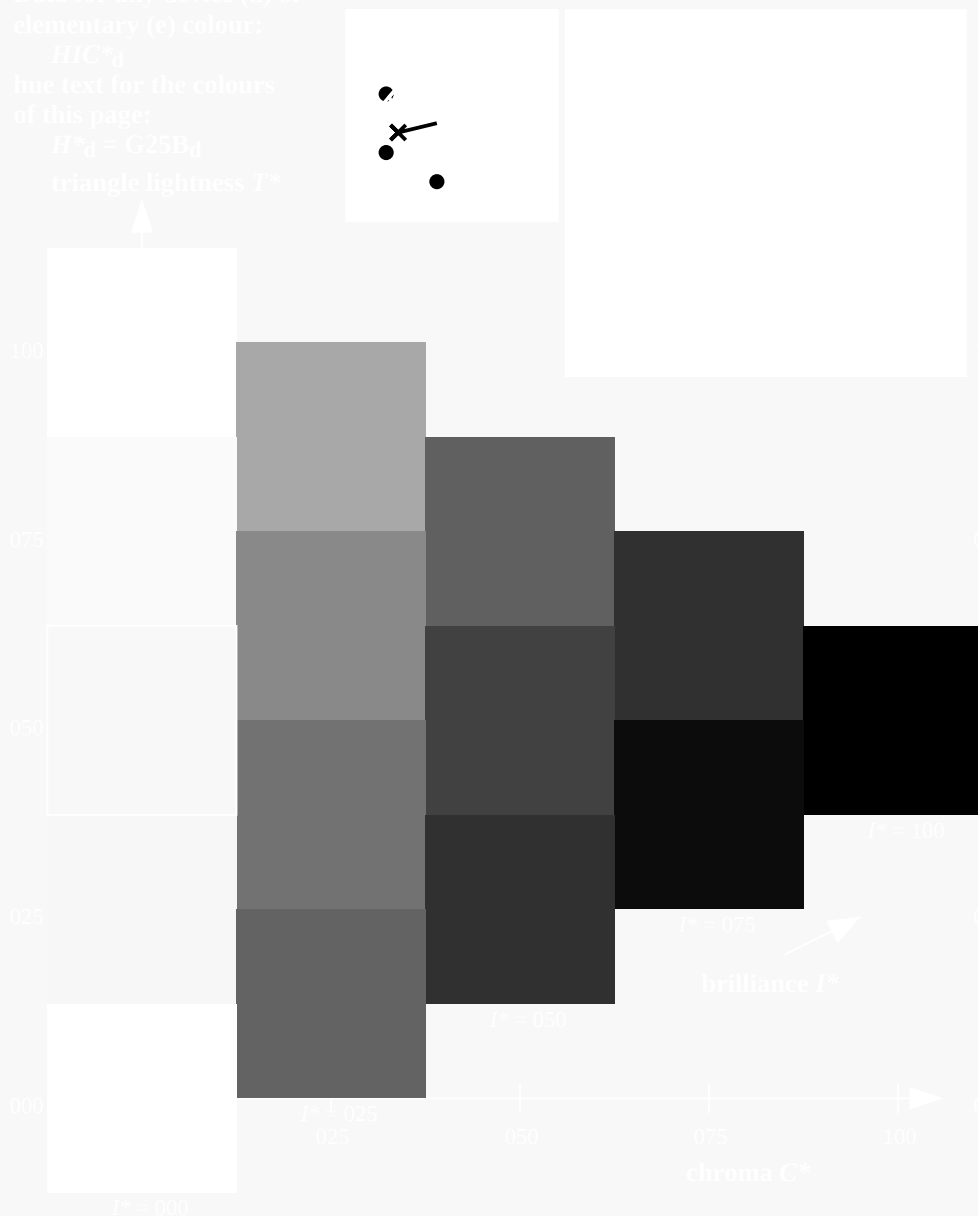
$g^*H_{rel} = 57$

$g^*C_{rel} = 58$

see similar files: <http://130.149.60.45/~farbmetrik/QE84/QE84.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE84/QE84L0FA.TXT /.PS
application for measurement of offset print output, separation cmyk* (CMYK)

TUB material: code=rha4ta

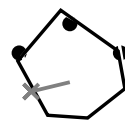
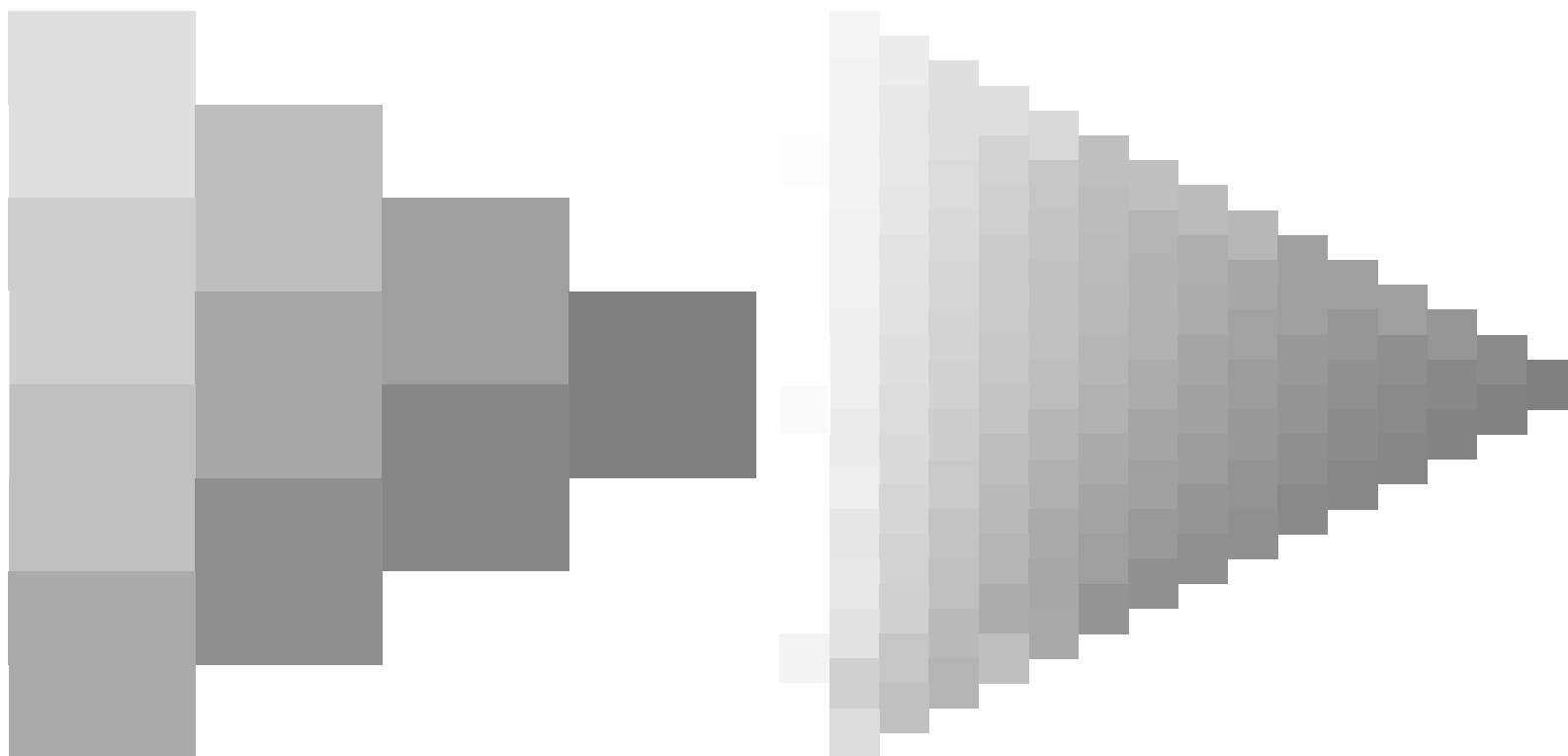


1-103230-L0 QE840-72

TUB-test chart QE84; hue code: $H^*_d = G25B_d$
Test chart according to DIN 33872, 3D=1, de=0, cmyk*

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

see similar files: <http://130.149.60.45/~farbmetrik/QE84/QE84.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 $h_{ab,a,rel} = h_{ab}/360 = 193/360 = 0.53$

$H^*_d = G25B_d$

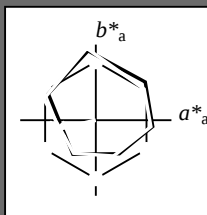
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = G25B_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	47.3	63.8	41.2	76.0	32
$Y_{d,Ma}$	88.3	-11.9	95.1	95.8	97
$G_{d,Ma}$	51.9	-68.8	28.1	74.3	157
$C_{d,Ma}$	58.3	-29.2	-43.7	52.6	236
$B_{d,Ma}$	25.3	23.5	-47.3	52.8	296
$M_{d,Ma}$	48.2	72.8	-8.5	73.3	353
$N_{d,Ma}$	17.7	0.0	0.0	0.0	0
$W_{d,Ma}$	95.4	0.0	0.0	0.0	0
$R_{d,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{d,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{d,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{d,CIE}$	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 54 -51 -12 52 193

$HIC^*_{d,Ma}$: G25B_100_100d

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

0.0 1.0 0.5 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

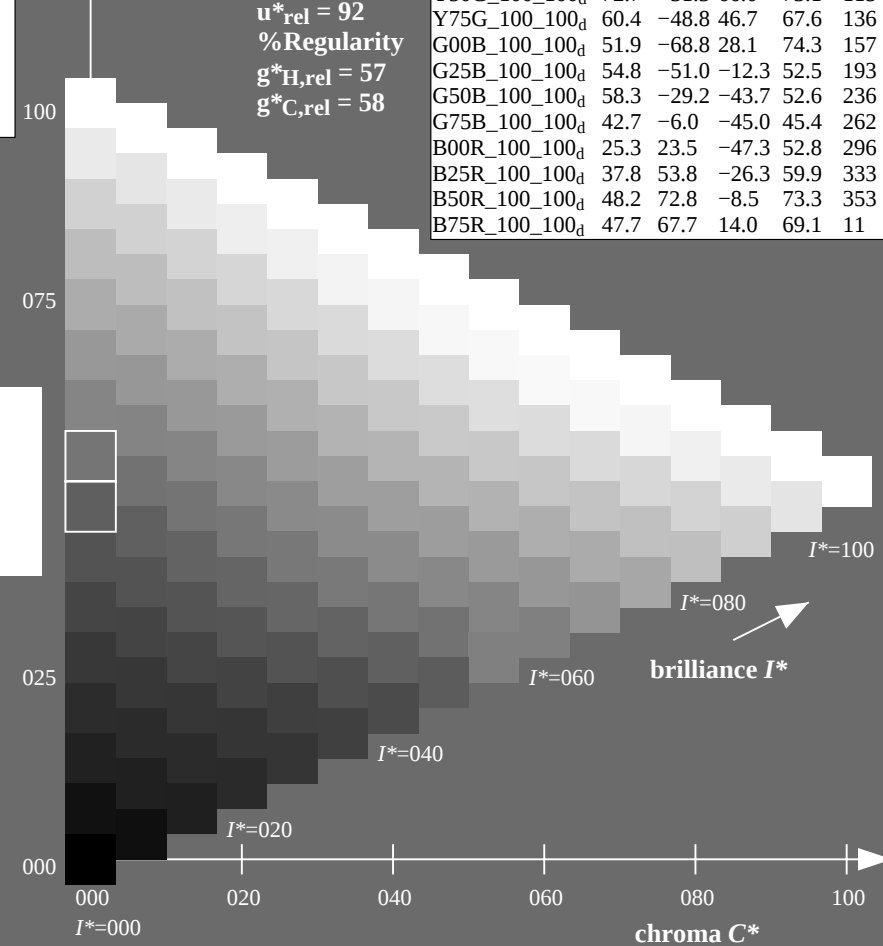
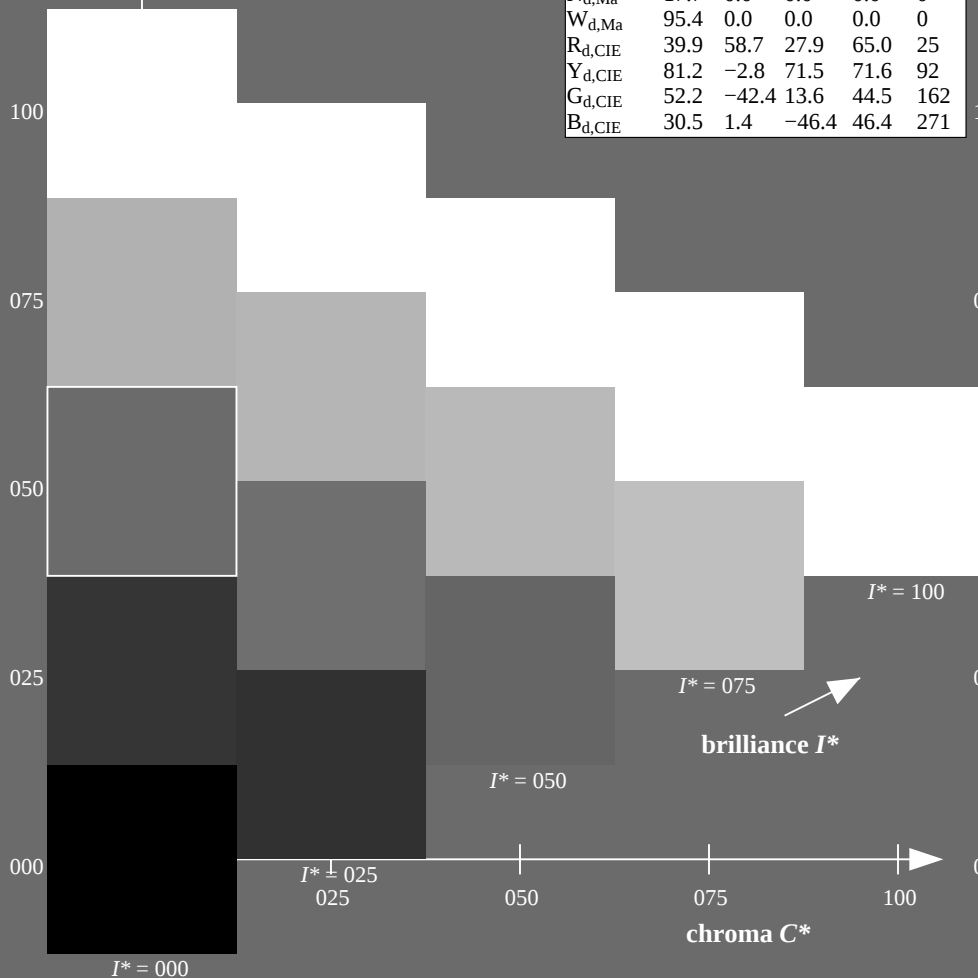
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_{100_100d}$	47.3	63.8	41.2	76.0	32
$R25Y_{100_100d}$	55.3	45.8	52.2	69.5	48
$R50Y_{100_100d}$	67.2	22.6	67.6	71.2	71
$R75Y_{100_100d}$	79.9	1.0	83.9	83.9	89
$Y00G_{100_100d}$	88.3	-11.9	95.1	95.8	97
$Y25G_{100_100d}$	83.3	-19.2	83.7	85.9	102
$Y50G_{100_100d}$	72.7	-31.3	66.0	73.1	115
$Y75G_{100_100d}$	60.4	-48.8	46.7	67.6	136
$G00B_{100_100d}$	51.9	-68.8	28.1	74.3	157
$G25B_{100_100d}$	54.8	-51.0	-12.3	52.5	193
$G50B_{100_100d}$	58.3	-29.2	-43.7	52.6	236
$G75B_{100_100d}$	42.7	-6.0	-45.0	45.4	262
$B00R_{100_100d}$	25.3	23.5	-47.3	52.8	296
$B25R_{100_100d}$	37.8	53.8	-26.3	59.9	333
$B50R_{100_100d}$	48.2	72.8	-8.5	73.3	353
$B75R_{100_100d}$	47.7	67.7	14.0	69.1	11



TUB-test chart QE84; hue code: $H^*_d=G25B_d$
Test chart according to DIN 33872, 3D=1, de=0, cmk^*

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

TUB registration: 20130201-QE84/QE84L0FA.TXT /PS
application for measurement of offset print output, separation $cmkn^6^*$ (CMYK)

TUB material: code=rha4ta

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

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

R_s red

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

C_s blue-green

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

M_s blue-red

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

B_s blue

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

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

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

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

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

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

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

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^*_e produce the output of the device-independent elementary hues

1-103630-L0 QE840-72 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 QE84; hue code: $H^*_d=G25B_d$
48 step hue circles; $rgb-LabCh^*$ -tables

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

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

see similar files: <http://130.149.60.45/~farbmetrik/QE84/QE84.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE84/QE84L0FA.TXT /PS
application for measurement of offset print output, separation cmy6* (CMYK)
TUB material: code=rha4ta

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_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 <i>RYGBCM</i> _d : $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours <i>RYGBCM</i> _e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																		
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*	$dd64M$	LAB^*	$ddx64M$ (x=LabCh)	rgb^*	$ddx361M$	LAB^*	$ddx361M$ (x=LabCh)	rgb^*	$dsx361M$	LAB^*	$dsx361M$ (x=LabCh)	rgb^*	$dex361M$	LAB^*	$dex361M$
32.8	30.0	25.4	1.0	0.0	0.0	47.3 63.8 41.2 76.0 32.8	1.0	0.0	0.0	47.4 63.9 41.2 76.0 32	1.0	0.0	0.084 47.4 64.3 37.1 74.3 30	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	1.0	0.117	0.0	51.0 55.5 46.5 72.4 39	1.0	0.069	0.0	49.5 59.0 44.5 73.9 37	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	1.0	0.25	0.0	56.0 44.4 53.0 69.2 50	1.0	0.185	0.0	53.5 50.0 50.0 70.7 45	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	1.0	0.367	0.0	61.1 34.0 59.9 68.9 60	1.0	0.272	0.0	57.0 42.6 54.5 69.1 52	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	1.0	0.5	0.0	67.2 22.6 67.6 71.3 71	1.0	0.362	0.0	60.9 34.5 59.7 68.9 60	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	1.0	0.617	0.0	73.2 11.9 75.7 76.6 81	1.0	0.446	0.0	64.7 27.4 64.7 70.3 67	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	1.0	0.75	0.0	79.3 2.0 83.1 83.1 88	1.0	0.543	0.0	69.4 19.0 70.7 73.2 75	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	1.0	0.867	0.0	84.0 -5.1 89.1 89.2 93	1.0	0.629	0.0	73.8 10.7 76.5 77.2 82	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	1.0	1.0	0.0	88.4 -11.9 95.1 95.9 97	1.0	0.785	0.0	80.7 0.0 84.9 84.9 90	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	0.883	1.0	0.0	86.0 -15.9 89.0 90.5 100	1.0	0.994	0.0	88.2 -11.5 94.8 95.6 97	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	0.75	1.0	0.0	83.0 -19.6 83.0 85.3 103	0.709	1.0	0.0	81.0 -21.6 80.9 83.7 105	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	0.633	1.0	0.0	77.5 -24.8 76.8 80.8 107	0.56	1.0	0.0	74.9 -28.6 71.1 76.6 112	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	0.5	1.0	0.0	72.8 -31.3 66.1 73.1 115	0.418	1.0	0.0	70.3 -35.1 60.9 70.3 120	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	0.383	1.0	0.0	69.2 -36.5 58.6 69.1 121	0.329	1.0	0.0	66.0 -41.1 54.6 68.4 127	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	0.25	1.0	0.0	60.9 -47.7 47.9 67.7 134	0.249	1.0	0.0	60.9 -47.7 47.8 67.7 135	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	0.133	1.0	0.0	57.6 -54.4 39.6 67.4 144	0.159	1.0	0.0	58.4 -53.0 41.5 67.4 142	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	0.0	1.0	0.0	52.0 -68.8 28.1 74.4 157	0.074	1.0	0.0	55.2 -60.7 35.1 70.2 150	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	0.0	1.0	0.117	52.5 -66.5 19.9 69.5 163	0.008	1.0	0.0	52.3 -68.0 28.9 73.9 157	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	0.0	1.0	0.25	53.3 -61.9 9.8 62.8 170	0.0	1.0	0.147	52.7 -65.7 17.6 68.1 165	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	0.0	1.0	0.367	54.0 -57.3 -0.3 57.4 180	0.0	1.0	0.263	53.4 -61.5 8.7 62.2 172	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	0.0	1.0	0.5	54.8 -51.0 -12.2 52.6 193	0.0	1.0	0.362	54.0 -57.5 0.0 57.6 180	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	0.0	1.0	0.617	55.8 -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	0.524	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	0.0	1.0	0.75	56.8 -38.9 -30.8 49.8 218	0.0	1.0	0.514	55.0 -50.4 -13.4 52.3 195	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	0.0	1.0	0.867	57.5 -34.6 -36.8 50.6 226	0.0	1.0	0.585	55.5 -47.1 -19.0 50.9 202	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	0.0	1.0	1.0	58.3 -29.2 -43.6 52.6 236	0.0	1.0	0.666	56.1 -43.2 -24.9 50.0 210	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	0.0	0.883	1.0	55.5 -25.2 -43.8 50.7 240	0.0	1.0	0.736	56.7 -39.7 -29.9 49.8 217	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	0.0	0.75	1.0	51.8 -19.7 -44.1 48.4 245	0.0	1.0	0.842	57.4 -35.6 -35.6 50.4 225	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	0.0	0.633	1.0	48.0 -14.2 -44.3 46.7 252	0.0	1.0	0.941	58.0 -31.7 -40.7 51.7 232	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	0.0	0.5	1.0	42.8 -5.9 -44.9 45.4 262	0.0	0.886	1.0	55.5 -25.3 -43.8 50.7 240	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	0.0	0.383	1.0	38.3 0.9 -45.3 45.4 271	0.0	0.729	1.0	51.1 -18.7 -44.2 48.1 247	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	0.0	0.25	1.0	33.3 9.5 -45.9 47.0 281	0.0	0.594	1.0	46.5 -11.9 -44.6 46.3 255	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	0.0	0.133	1.0	28.9 16.9 -46.9 49.9 289	0.0	0.505	1.0	43.0 -6.2 -44.9 45.5 262	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	0.0	0.0	1.0	25.3 23.5 -47.3 52.9 296	0.0	0.398	1.0	38.8 0.0 -45.3 45.4 270	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	0.117	0.0	1.0	29.1 31.3 -42.9 53.1 306	0.0	0.309	1.0	35.5 5.6 -45.8 46.3 277	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	0.25	0.0	1.0	31.6 36.3 -39.1 53.4 312	0.0	0.202	1.0	31.5 12.5 -46.5 48.2 285	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	0.367	0.0	1.0	33.7 46.9 -31.8 56.7 325	0.0	0.091	1.0	27.7 19.1 -47.1 50.9 292	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	0.5	0.0	1.0	37.9 53.8 -26.3 59.9 333	0.043	0.0	1.0	26.7 26.5 -45.8 53.0 300	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	0.617	0.0	1.0	40.8 58.5 -22.1 62.6 339	0.13	0.0	1.0	29.4 32.0 -42.4 53.2 307	0.126	0.0	1.0	29.4 31.9 -42.5 53.2 307
347.2	315.0	314.3	0.75	0.0	1.0	43.1 65.9 -14.9 67.6 347.2	0.75	0.0	1.0	43.1 66.0 -14.9 67.6 347	0.27	0.0	1.0	31.9 38.2 -38.1 54.0 315	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	0.867	0.0	1.0	45.8 69.3 -12.0 70.3 350	0.333	0.0	1.0	33.1 43.9 -34.2 55.8 322	0.324	0.0	1.0	32.9 43.2 -34.8 55.5 322
353.3	330.0	328.6	1.0	0.0	1.0	48.2 72.8 -8.5 73.3 353.3	1.0											

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			0.0046	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			0.126	0.0	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									

1-103830-L0

QE840-72

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 QE84; hue code: $H^*_d=G25B_d$
48 step hue circles; $rgb-LabCh^*$ tables

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

TUB registration: 20130201-QE84/QE84L0FA.TXT /PS
application for measurement of offset print output, separation cmyrn6* (CMYK)
TUB material: code=rh4ta

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_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}	$LAB^*_{dd361Mi} (x=LabCh)$	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 0.084 47.4 64.3 37.1 74.3 30		1.0 0.0 0.0	1.0 0.0 0.209 47.6 64.9 30.9 71.9 25		1.0 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 0.054 47.4 64.2 38.6 74.9 31		1.0 0.017 0.0	1.0 0.0 0.18 47.6 64.8 32.4 72.5 26		1.0 0.017 0.0				
34	32	27	1.0 0.033 0.0	48.3 61.5 42.8 74.9 34		1.0 0.0 0.025 47.4 64.0 40.0 75.5 32		1.0 0.033 0.0	1.0 0.0 0.15 47.5 64.6 33.9 73.0 27		1.0 0.033 0.0				
35	33	28	1.0 0.05 0.0	48.9 60.3 43.6 74.4 35		1.0 0.003 0.0 47.5 63.7 41.3 75.9 33		1.0 0.05 0.0	1.0 0.0 0.119 47.5 64.4 35.5 73.6 28		1.0 0.05 0.0				
36	34	29	1.0 0.066 0.0	49.4 59.1 44.3 73.9 36		1.0 0.019 0.0 48.0 62.5 42.2 75.4 34		1.0 0.067 0.0	1.0 0.0 0.086 47.4 64.3 37.0 74.2 29		1.0 0.067 0.0				
37	35	31	1.0 0.083 0.0	49.9 57.9 45.1 73.4 37		1.0 0.036 0.0 48.5 61.4 43.0 74.9 35		1.0 0.083 0.0	1.0 0.0 0.053 47.4 64.2 38.6 74.9 31		1.0 0.083 0.0				
38	36	32	1.0 0.1 0.0	50.4 56.7 45.7 72.9 38		1.0 0.052 0.0 49.0 60.2 43.7 74.4 36		1.0 0.1 0.0	1.0 0.0 0.02 47.4 64.0 40.2 75.6 32		1.0 0.1 0.0				
39	37	33	1.0 0.116 0.0	50.9 55.5 46.4 72.3 39		1.0 0.069 0.0 49.5 59.0 44.5 73.9 37		1.0 0.117 0.0	1.0 0.007 0.0 47.6 63.4 41.6 75.8 33		1.0 0.117 0.0				
41	38	34	1.0 0.133 0.0	51.5 54.2 47.2 71.9 41		1.0 0.085 0.0 50.0 57.8 45.2 73.4 38		1.0 0.133 0.0	1.0 0.026 0.0 48.2 62.1 42.5 75.2 34		1.0 0.133 0.0				
42	39	35	1.0 0.15 0.0	52.1 52.8 48.1 71.5 42		1.0 0.101 0.0 50.5 56.6 45.9 72.9 39		1.0 0.15 0.0	1.0 0.044 0.0 48.7 60.8 43.4 74.6 35		1.0 0.15 0.0				
43	40	36	1.0 0.166 0.0	52.8 51.4 49.0 71.1 43		1.0 0.118 0.0 51.0 55.4 46.5 72.4 40		1.0 0.167 0.0	1.0 0.062 0.0 49.3 59.5 44.2 74.1 36		1.0 0.167 0.0				
44	41	37	1.0 0.183 0.0	53.4 50.1 49.9 70.7 44		1.0 0.132 0.0 51.5 54.3 47.2 72.0 41		1.0 0.183 0.0	1.0 0.081 0.0 49.8 58.1 45.0 73.5 37		1.0 0.183 0.0				
46	42	38	1.0 0.2 0.0	54.1 48.7 50.7 70.3 46		1.0 0.145 0.0 52.0 53.2 47.9 71.7 42		1.0 0.2 0.0	1.0 0.099 0.0 50.4 56.8 45.8 72.9 38		1.0 0.2 0.0				
47	43	39	1.0 0.216 0.0	54.7 47.3 51.5 69.9 47		1.0 0.158 0.0 52.5 52.2 48.7 71.3 43		1.0 0.217 0.0	1.0 0.117 0.0 51.0 55.5 46.5 72.4 39		1.0 0.217 0.0				
48	44	41	1.0 0.233 0.0	55.3 45.8 52.2 69.5 48		1.0 0.172 0.0 53.0 51.1 49.3 71.0 44		1.0 0.233 0.0	1.0 0.133 0.0 51.5 54.2 47.3 71.9 41		1.0 0.233 0.0				
50	45	42	1.0 0.25 0.0	56.0 44.4 53.0 69.1 50		1.0 0.185 0.0 53.5 50.0 50.0 70.7 45		1.0 0.25 0.0	1.0 0.148 0.0 52.1 53.0 48.1 71.6 42		1.0 0.25 0.0				
51	46	43	1.0 0.266 0.0	56.7 43.0 54.1 69.1 51		1.0 0.198 0.0 54.0 48.9 50.7 70.4 46		1.0 0.267 0.0	1.0 0.162 0.0 52.7 51.9 48.9 71.2 43		1.0 0.267 0.0				
52	47	44	1.0 0.283 0.0	57.4 41.5 55.1 69.1 52		1.0 0.211 0.0 54.5 47.8 51.3 70.1 47		1.0 0.283 0.0	1.0 0.177 0.0 53.2 50.6 49.6 70.9 44		1.0 0.283 0.0				
54	48	45	1.0 0.3 0.0	58.2 40.1 56.2 69.0 54		1.0 0.224 0.0 55.0 46.7 51.9 69.8 48		1.0 0.3 0.0	1.0 0.191 0.0 53.8 49.4 50.4 70.6 45		1.0 0.3 0.0				
55	49	46	1.0 0.316 0.0	58.9 38.6 57.1 69.0 55		1.0 0.237 0.0 55.5 45.6 52.4 69.5 49		1.0 0.317 0.0	1.0 0.206 0.0 54.3 48.2 51.1 70.2 46		1.0 0.317 0.0				
57	50	47	1.0 0.333 0.0	59.6 37.1 58.1 69.0 57		1.0 0.25 0.0 56.0 44.5 53.0 69.2 50		1.0 0.333 0.0	1.0 0.22 0.0 54.9 47.0 51.7 69.9 47		1.0 0.333 0.0				
58	51	48	1.0 0.35 0.0	60.3 35.5 59.0 68.9 58		1.0 0.261 0.0 56.5 43.5 53.7 69.2 51		1.0 0.35 0.0	1.0 0.235 0.0 55.5 45.7 52.4 69.5 48		1.0 0.35 0.0				
60	52	49	1.0 0.366 0.0	61.0 34.0 59.9 68.9 60		1.0 0.272 0.0 57.0 42.6 54.5 69.1 52		1.0 0.367 0.0	1.0 0.25 0.0 56.0 44.5 53.0 69.2 49		1.0 0.367 0.0				
61	53	51	1.0 0.383 0.0	61.8 32.5 60.8 69.0 61		1.0 0.283 0.0 57.5 41.6 55.2 69.1 53		1.0 0.383 0.0	1.0 0.262 0.0 56.6 43.4 53.8 69.1 51		1.0 0.383 0.0				
63	54	52	1.0 0.4 0.0	62.5 31.2 61.9 69.3 63		1.0 0.295 0.0 58.0 40.6 55.9 69.1 54		1.0 0.4 0.0	1.0 0.275 0.0 57.1 42.4 54.6 69.1 52		1.0 0.4 0.0				
64	55	53	1.0 0.416 0.0	63.3 29.8 62.9 69.6 64		1.0 0.306 0.0 58.5 39.6 56.6 69.1 55		1.0 0.417 0.0	1.0 0.287 0.0 57.6 41.3 55.4 69.1 53		1.0 0.417 0.0				
65	56	54	1.0 0.433 0.0	64.1 28.4 63.9 70.0 65		1.0 0.317 0.0 58.9 38.6 57.2 69.0 56		1.0 0.433 0.0	1.0 0.3 0.0 58.2 40.2 56.2 69.1 54		1.0 0.433 0.0				
67	57	55	1.0 0.45 0.0	64.9 27.0 64.9 70.3 67		1.0 0.328 0.0 59.4 37.6 57.9 69.0 57		1.0 0.45 0.0	1.0 0.312 0.0 58.7 39.0 56.9 69.0 55		1.0 0.45 0.0				
68	58	56	1.0 0.466 0.0	65.6 25.6 65.8 70.6 68		1.0 0.34 0.0 59.9 36.6 58.5 69.0 58		1.0 0.467 0.0	1.0 0.325 0.0 59.3 37.9 57.7 69.0 56		1.0 0.467 0.0				
70	59	57	1.0 0.483 0.0	66.4 24.1 66.7 70.9 70		1.0 0.351 0.0 60.4 35.5 59.1 69.0 59		1.0 0.483 0.0	1.0 0.337 0.0 59.8 36.8 58.4 69.0 57		1.0 0.483 0.0				
71	60	58	1.0 0.5 0.0	67.2 22.6 67.6 71.2 71		1.0 0.362 0.0 60.9 34.5 59.7 68.9 60		1.0 0.5 0.0	1.0 0.35 0.0 60.3 35.6 59.0 69.0 58		1.0 0.5 0.0				
72	61	60	1.0 0.516 0.0	68.0 21.2 68.8 72.0 72		1.0 0.373 0.0 61.4 33.4 60.3 68.9 61		1.0 0.517 0.0	1.0 0.362 0.0 60.9 34.5 59.7 68.9 60		1.0 0.517 0.0				
74	62	61	1.0 0.533 0.0	68.9 19.7 70.0 72.8 74		1.0 0.385 0.0 61.9 32.4 61.0 69.1 62		1.0 0.533 0.0	1.0 0.375 0.0 61.4 33.3 60.3 68.9 61		1.0 0.533 0.0				
75	63	62	1.0 0.55 0.0	69.7 18.2 71.2 73.5 75		1.0 0.397 0.0 62.5 31.5 61.8 69.3 63		1.0 0.55 0.0	1.0 0.388 0.0 62.0 32.2 61.2 69.1 62		1.0 0.55 0.0				
76	64	63	1.0 0.566 0.0	70.6 16.7 72.4 74.3 76		1.0 0.409 0.0 63.0 30.5 62.5 69.6 64		1.0 0.567 0.0	1.0 0.402 0.0 62.7 31.1 62.0 69.4 63		1.0 0.567 0.0				
78	65	64	1.0 0.583 0.0	71.5 15.1 73.5 75.0 78		1.0 0.421 0.0 63.6 29.5 63.2 69.8 65		1.0 0.583 0.0	1.0 0.415 0.0 63.3 30.0 62.9 69.7 64		1.0 0.583 0.0				
79	66	65	1.0 0.6 0.0	72.3 13.5 74.6 75.8 79		1.0 0.434 0.0 64.2 28.5 64.0 70.0 66		1.0 0.6 0.0	1.0 0.428 0.0 63.9 28.9 63.7 69.9 65		1.0 0.6 0.0				
81	67	66	1.0 0.616 0.0	73.2 11.8 75.6 76.6 81		1.0 0.446 0.0 64.7 27.4 64.7 70.3 67		1.0 0.617 0.0	1.0 0.442 0.0 64.5 27.8 64.5 70.2 66		1.0 0.617 0.0				
82	68	67	1.0 0.633 0.0	74.0 10.4 76.6 77.3 82		1.0 0.458 0.0 65.3 26.4 65.4 70.5 68		1.0 0.633 0.0	1.0 0.455 0.0 65.2 26.6 65.2 70.4 67		1.0 0.633 0.0				
83	69	68	1.0 0.65 0.0	74.7 9.3 77.6 78.2 83		1.0 0.47 0.0 65.8 25.3 66.0 70.7 69		1.0 0.65 0.0	1.0 0.469 0.0 65.8 25.4 66.0 70.7 68		1.0 0.65 0.0				
84	70	70	1.0 0.666 0.0	75.5 8.2 78.6 79.0 84		1.0 0.482 0.0 66.4 24.3 66.7 70.9 70		1.0 0.667 0.0	1.0 0.482 0.0 66.4 24.2 66.7 71.0 70		1.0 0.667 0.0				
84	71	71	1.0 0.683 0.0	76.2 7.0 79.5 79.8 84		1.0 0.494 0.0 66.9 23.2 67.3 71.2 71		1.0 0.683 0.0	1.0 0.496 0.0 67.0 23.0 67.4 71.2 71		1.0 0.683 0.0				
85	72	72	1.0 0.7 0.0	77.0 5.8 80.4 80.6 85		1.0 0.506 0.0 67.5 22.1 68.1 71.6 72		1.0 0.7 0.0	1.0 0.509 0.0 67.7 21.9 68.3 71.7 72		1.0 0.7 0.0				
86	73	73	1.0 0.716 0.0	77.7 4.5 81.3 81.4 86		1.0 0.518 0.0 68.2 21.1 69.0 72.1 73		1.0 0.717 0.0	1.0 0.523 0.0 68.4 20.7 69.3 72.3 73		1.0 0.717 0.0				
87	74	74	1.0 0.733 0.0	78.5 3.3 82.2 82.3 87		1.0 0.531 0.0 68.8 20.0 69.9 72.7 74		1.0 0.733 0.0	1.0 0.537 0.0 69.1 19.5 70.3 73.0 74		1.0 0.733 0.0				
88	75	75	1.0 0.75 0.0	79.2 2.0 83.0 83.1 88		1.0 0.543 0.0 69.4 19.0 70.7 73.2 75		1.0 0.75 0.0	1.0 0.55 0.0 69.8 18.3 71.3 73.6 75		1.0 0.75 0.0				

1-103930-L0

QE840-72

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 cmycn6*, D65, page 10/33

TUB-test chart QE84; hue code: H*d=G25Bd
48 step hue circles; $rgb-LabCh$ *tables

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

1-103930-F0

see similar files: <http://130.149.60.45/~farbmetrik/QE84/QE84L0FA.TXT> /PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE84/QE84L0FA.TXT /PS
application for measurement of offset print output, separation cmycn6* (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 RYGBM₆: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

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^*_{d361M}	$LAB^*_{d361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$dex361Mi (x=LabCh)$	$rgb^*_{dd361Mi}$	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	
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	77	77	1.0	0.783	0.0	80.6	0.0	84.8	84.8	89	1.0	0.783	0.0	
90	78	78	1.0	0.8	0.0	81.2	-0.9	85.7	85.7	90	1.0	0.8	0.0	
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	80	81	1.0	0.833	0.0	82.6	-3.0	87.4	87.4	91	1.0	0.833	0.0	
92	81	82	1.0	0.85	0.0	83.2	-4.0	88.2	88.3	92	1.0	0.85	0.0	
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	83	84	1.0	0.883	0.0	84.5	-6.1	89.8	90.0	93	1.0	0.883	0.0	
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	85	86	1.0	0.916	0.0	85.6	-7.7	91.3	91.7	94	1.0	0.917	0.0	
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	87	88	1.0	0.95	0.0	86.7	-9.3	92.9	93.3	95	1.0	0.95	0.0	
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	89	91	1.0	0.983	0.0	87.8	-11.1	94.3	95.0	96	1.0	0.983	0.0	
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	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

1-1031030-L0 QE840-72 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 11/33

TUB-test chart QE84; hue code: H*d=G25Bd
48 step hue circles; $rgb-LabCh$ *tables

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

TUB registration: 20130201-QE84/QE84L0FA.TXT /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 cmy6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM₆: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours RYGBM₆: $d_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours RYGBM₆: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$			$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}				$LAB^*_{dd361Mi} (x=LabCh)$				$rgb^*_{ds361Mi}$				$LAB^*_{dsx361Mi} (x=LabCh)$				$rgb^*_{dd361Mi}$				$rgb^*_{de361Mi}$				$LAB^*_{dex361Mi} (x=LabCh)$				$rgb^*_{dd361Mi}$				rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
115	120	127	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115	0.418	1.0	0.0	70.3	-35.1	60.9	70.3	120	0.5	1.0	0.0	0.327	1.0	0.0	65.8	-41.3	54.4	68.4	127	0.5	1.0	0.0							
116	121	128	0.483	1.0	0.0	72.2	-32.1	65.0	72.5	116	0.4	1.0	0.0	69.7	-35.8	59.8	69.7	121	0.483	1.0	0.0	0.315	1.0	0.0	65.1	-42.3	53.5	68.3	128	0.483	1.0	0.0							
117	122	129	0.466	1.0	0.0	71.7	-32.9	63.9	71.9	117	0.383	1.0	0.0	69.2	-36.5	58.6	69.1	122	0.467	1.0	0.0	0.303	1.0	0.0	64.3	-43.3	52.5	68.2	129	0.467	1.0	0.0							
118	123	130	0.45	1.0	0.0	71.2	-33.7	62.9	71.4	118	0.369	1.0	0.0	68.5	-37.4	57.7	68.8	123	0.45	1.0	0.0	0.292	1.0	0.0	63.6	-44.3	51.5	68.1	130	0.45	1.0	0.0							
119	124	131	0.433	1.0	0.0	70.7	-34.5	61.8	70.8	119	0.359	1.0	0.0	67.9	-38.3	56.9	68.7	124	0.433	1.0	0.0	0.28	1.0	0.0	62.8	-45.3	50.6	67.9	131	0.433	1.0	0.0							
120	125	133	0.416	1.0	0.0	70.2	-35.2	60.8	70.2	120	0.349	1.0	0.0	67.3	-39.2	56.2	68.6	125	0.417	1.0	0.0	0.269	1.0	0.0	62.1	-46.2	49.5	67.8	133	0.417	1.0	0.0							
121	126	134	0.4	1.0	0.0	69.6	-35.9	59.7	69.6	121	0.339	1.0	0.0	66.6	-40.2	55.4	68.5	126	0.4	1.0	0.0	0.257	1.0	0.0	61.3	-47.2	48.5	67.7	134	0.4	1.0	0.0							
121	127	135	0.383	1.0	0.0	69.1	-36.5	58.6	69.1	121	0.329	1.0	0.0	66.0	-41.1	54.6	68.4	127	0.383	1.0	0.0	0.244	1.0	0.0	60.7	-48.1	47.5	67.6	135	0.383	1.0	0.0							
123	128	136	0.366	1.0	0.0	68.3	-37.7	57.4	68.7	123	0.319	1.0	0.0	65.3	-42.0	53.8	68.3	128	0.367	1.0	0.0	0.229	1.0	0.0	60.3	-49.0	46.5	67.6	136	0.367	1.0	0.0							
124	129	137	0.35	1.0	0.0	67.3	-39.2	56.2	68.6	124	0.309	1.0	0.0	64.7	-42.8	53.0	68.2	129	0.35	1.0	0.0	0.214	1.0	0.0	59.9	-49.9	45.4	67.6	137	0.35	1.0	0.0							
126	130	138	0.333	1.0	0.0	66.2	-40.8	54.9	68.4	126	0.299	1.0	0.0	64.1	-43.7	52.2	68.1	130	0.333	1.0	0.0	0.199	1.0	0.0	59.5	-50.8	44.4	67.5	138	0.333	1.0	0.0							
128	131	140	0.316	1.0	0.0	65.1	-42.3	53.6	68.2	128	0.289	1.0	0.0	63.4	-44.5	51.3	68.0	131	0.317	1.0	0.0	0.184	1.0	0.0	59.1	-51.7	43.3	67.5	140	0.317	1.0	0.0							
129	132	141	0.3	1.0	0.0	64.0	-43.7	52.2	68.1	129	0.28	1.0	0.0	62.8	-45.4	50.5	67.9	132	0.3	1.0	0.0	0.169	1.0	0.0	58.6	-52.5	42.2	67.5	141	0.3	1.0	0.0							
131	133	142	0.283	1.0	0.0	63.0	-45.1	50.8	67.9	131	0.27	1.0	0.0	62.1	-46.2	49.6	67.8	133	0.283	1.0	0.0	0.154	1.0	0.0	58.2	-53.3	41.1	67.4	142	0.283	1.0	0.0							
133	134	143	0.266	1.0	0.0	61.9	-46.5	49.3	67.8	133	0.26	1.0	0.0	61.5	-47.0	48.7	67.8	134	0.267	1.0	0.0	0.139	1.0	0.0	57.8	-54.1	40.0	67.4	143	0.267	1.0	0.0							
134	135	144	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134	0.249	1.0	0.0	60.9	-47.7	47.8	67.7	135	0.25	1.0	0.0	0.124	1.0	0.0	57.4	-54.9	38.9	67.4	144	0.25	1.0	0.0							
136	136	145	0.233	1.0	0.0	60.4	-48.8	46.7	67.6	136	0.237	1.0	0.0	60.5	-48.5	47.0	67.6	136	0.233	1.0	0.0	0.113	1.0	0.0	56.9	-56.2	38.1	68.0	145	0.233	1.0	0.0							
137	137	147	0.216	1.0	0.0	59.9	-49.8	45.6	67.5	137	0.224	1.0	0.0	60.1	-49.3	46.1	67.6	137	0.217	1.0	0.0	0.102	1.0	0.0	56.4	-57.5	37.3	68.6	147	0.217	1.0	0.0							
138	138	148	0.2	1.0	0.0	59.4	-50.8	44.4	67.5	138	0.211	1.0	0.0	59.8	-50.1	45.2	67.6	138	0.2	1.0	0.0	0.091	1.0	0.0	55.9	-58.8	36.4	69.2	148	0.2	1.0	0.0							
140	139	149	0.183	1.0	0.0	59.0	-51.8	43.2	67.4	140	0.198	1.0	0.0	59.4	-50.9	44.3	67.5	139	0.183	1.0	0.0	0.08	1.0	0.0	55.4	-60.0	35.6	69.9	149	0.183	1.0	0.0							
141	140	150	0.166	1.0	0.0	58.5	-52.7	42.0	67.4	141	0.185	1.0	0.0	59.1	-51.6	43.4	67.5	140	0.167	1.0	0.0	0.069	1.0	0.0	55.0	-61.3	34.6	70.5	150	0.167	1.0	0.0							
142	141	151	0.15	1.0	0.0	58.1	-53.6	40.8	67.4	142	0.172	1.0	0.0	58.7	-52.3	42.5	67.5	141	0.15	1.0	0.0	0.058	1.0	0.0	54.5	-62.5	33.7	71.1	151	0.15	1.0	0.0							
144	142	152	0.133	1.0	0.0	57.6	-54.5	39.5	67.3	144	0.159	1.0	0.0	58.4	-53.0	41.5	67.4	142	0.133	1.0	0.0	0.047	1.0	0.0	54.0	-63.8	32.7	71.7	152	0.133	1.0	0.0							
145	143	154	0.116	1.0	0.0	57.0	-55.9	38.3	67.8	145	0.147	1.0	0.0	58.0	-53.7	40.6	67.4	143	0.117	1.0	0.0	0.035	1.0	0.0	53.5	-65.0	31.7	72.4	154	0.117	1.0	0.0							
147	144	155	0.1	1.0	0.0	56.3	-57.8	37.1	68.7	147	0.134	1.0	0.0	57.7	-54.4	39.6	67.4	144	0.1	1.0	0.0	0.024	1.0	0.0	53.0	-66.2	30.6	73.0	155	0.1	1.0	0.0							
149	145	156	0.083	1.0	0.0	55.5	-59.7	35.8	69.6	149	0.122	1.0	0.0	57.3	-55.2	38.7	67.5	145	0.083	1.0	0.0	0.013	1.0	0.0	52.5	-67.4	29.5	73.6	156	0.083	1.0	0.0							
150	146	157	0.066	1.0	0.0	54.8	-61.6	34.4	70.6	150	0.112	1.0	0.0	56.9	-56.3	38.1	68.0	146	0.067	1.0	0.0	0.002	1.0	0.0	52.0	-68.5	28.3	74.2	157	0.067	1.0	0.0							
152	147	158	0.049	1.0	0.0	54.1	-63.4	32.9	71.5	152	0.103	1.0	0.0	56.4	-57.4	37.4	68.6	147	0.05	1.0	0.0	0.0	1.0	0.02	52.1	-68.4	26.7	73.6	158	0.05	1.0	0.0							
154	148	159	0.033	1.0	0.0	53.4	-65.3	31.4	72.4	154	0.093	1.0	0.0	56.0	-58.5	36.6	69.1	148	0.033	1.0	0.0	0.0	1.0	0.044	52.2	-68.0	24.9	72.5	159	0.033	1.0	0.0							
156	149	161	0.016	1.0	0.0	52.6	-67.1	29.8	73.4	156	0.084	1.0	0.0	55.6	-59.6	35.9	69.7	149	0.017	1.0	0.0	0.0	1.0	0.069	52.3	-67.6	23.2	71.5	161	0.017	1.0	0.0							
157	150	162	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157	G_d 0.074	1.0	0.0	55.2	-60.7	35.1	70.2	$150G_s$	0.0	1.0	0.0	0.0	1.0	0.093	52.4	-67.0	21.5	70.5	$162G_e$	0.0	1.0	0.0							
158	151	163	0.0	1.0	0.016	52.0	-68.5	26.9	73.6	158	0.065	1.0	0.0	54.8	-61.8	34.3	70.7	151	0.0	1.0	0.017	0.0	1.0	0.112	52.5	-66.6	20.2	69.7	163	0.0	1.0	0.017							
159	152	164	0.0	1.0	0.033	52.1	-68.3	25.7	72.9	159	0.055	1.0	0.0	54.4	-62.8	33.5	71.3	152	0.0	1.0	0.033	0.0	1.0	0.13	52.6	-66.2	18.9	68.9	164	0.0	1.0	0.033							
160	153	164	0.0	1.0	0.05	52.2	-68.0	24.5																															

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_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}	$rgb^*_{ds361Mi}$	LAB^*_{d361Mi}	$rgb^*_{dd361Mi}$	LAB^*_{d361Mi}	$rgb^*_{de361Mi}$	LAB^*_{d361Mi}	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{ds361Mi}$	$rgb^*_{de361Mi}$
170	165	175	0.0	1.0	0.25	53.2	-61.9 9.8	62.7	170	0.0	1.0	0.25	0.0	1.0	0.25
172	166	176	0.0	1.0	0.266	53.4	-61.4 8.2	61.9	172	0.0	1.0	0.267	0.0	1.0	0.267
173	167	177	0.0	1.0	0.283	53.5	-60.8 6.7	61.2	173	0.0	1.0	0.283	0.0	1.0	0.283
175	168	178	0.0	1.0	0.3	53.6	-60.2 5.2	60.4	175	0.0	1.0	0.3	0.0	1.0	0.3
176	169	179	0.0	1.0	0.316	53.7	-59.5 3.7	59.6	176	0.0	1.0	0.317	0.0	1.0	0.317
177	170	180	0.0	1.0	0.333	53.8	-58.8 2.3	58.9	177	0.0	1.0	0.333	0.0	1.0	0.333
179	171	181	0.0	1.0	0.35	53.9	-58.1 0.9	58.1	179	0.0	1.0	0.35	0.0	1.0	0.35
180	172	182	0.0	1.0	0.366	54.0	-57.3 -0.4	57.3	180	0.0	1.0	0.367	0.0	1.0	0.367
181	173	183	0.0	1.0	0.383	54.1	-56.6 -1.8	56.6	181	0.0	1.0	0.383	0.0	1.0	0.383
183	174	184	0.0	1.0	0.4	54.2	-55.9 -3.5	56.0	183	0.0	1.0	0.4	0.0	1.0	0.4
185	175	185	0.0	1.0	0.416	54.3	-55.2 -5.0	55.5	185	0.0	1.0	0.417	0.0	1.0	0.417
186	176	186	0.0	1.0	0.433	54.4	-54.5 -6.6	54.9	186	0.0	1.0	0.433	0.0	1.0	0.433
188	177	186	0.0	1.0	0.45	54.5	-53.7 -8.0	54.3	188	0.0	1.0	0.45	0.0	1.0	0.45
190	178	187	0.0	1.0	0.466	54.6	-52.8 -9.5	53.7	190	0.0	1.0	0.467	0.0	1.0	0.467
191	179	188	0.0	1.0	0.483	54.7	-52.0 -10.9	53.1	191	0.0	1.0	0.483	0.0	1.0	0.483
193	180	189	0.0	1.0	0.5	54.8	-51.0 -12.3	52.5	193	0.0	1.0	0.5	0.0	1.0	0.5
195	181	190	0.0	1.0	0.516	54.9	-50.4 -13.7	52.2	195	0.0	1.0	0.517	0.0	1.0	0.517
196	182	191	0.0	1.0	0.533	55.1	-49.6 -15.0	51.9	196	0.0	1.0	0.533	0.0	1.0	0.533
198	183	192	0.0	1.0	0.55	55.2	-48.9 -16.3	51.6	198	0.0	1.0	0.55	0.0	1.0	0.55
200	184	193	0.0	1.0	0.566	55.3	-48.1 -17.6	51.2	200	0.0	1.0	0.567	0.0	1.0	0.567
201	185	194	0.0	1.0	0.583	55.5	-47.3 -18.9	50.9	201	0.0	1.0	0.583	0.0	1.0	0.583
203	186	195	0.0	1.0	0.6	55.6	-46.4 -20.1	50.6	203	0.0	1.0	0.6	0.0	1.0	0.6
205	187	195	0.0	1.0	0.616	55.7	-45.5 -21.3	50.3	205	0.0	1.0	0.617	0.0	1.0	0.617
206	188	196	0.0	1.0	0.633	55.8	-44.7 -22.5	50.1	206	0.0	1.0	0.633	0.0	1.0	0.633
208	189	197	0.0	1.0	0.65	56.0	-44.0 -23.8	50.1	208	0.0	1.0	0.65	0.0	1.0	0.65
210	190	198	0.0	1.0	0.666	56.1	-43.2 -25.0	50.0	210	0.0	1.0	0.667	0.0	1.0	0.667
211	191	199	0.0	1.0	0.683	56.2	-42.4 -26.3	49.9	211	0.0	1.0	0.683	0.0	1.0	0.683
213	192	200	0.0	1.0	0.7	56.3	-41.6 -27.5	49.9	213	0.0	1.0	0.7	0.0	1.0	0.7
215	193	201	0.0	1.0	0.716	56.5	-40.8 -28.6	49.8	215	0.0	1.0	0.717	0.0	1.0	0.717
216	194	202	0.0	1.0	0.733	56.6	-39.9 -29.8	49.8	216	0.0	1.0	0.733	0.0	1.0	0.733
218	195	203	0.0	1.0	0.75	56.7	-38.9 -30.9	49.7	218	0.0	1.0	0.75	0.0	1.0	0.75
219	196	204	0.0	1.0	0.766	56.8	-38.4 -31.7	49.8	219	0.0	1.0	0.767	0.0	1.0	0.767
220	197	205	0.0	1.0	0.783	56.9	-37.8 -32.6	49.9	220	0.0	1.0	0.783	0.0	1.0	0.783
221	198	206	0.0	1.0	0.8	57.0	-37.2 -33.5	50.1	221	0.0	1.0	0.8	0.0	1.0	0.8
223	199	206	0.0	1.0	0.816	57.1	-36.6 -34.3	50.2	223	0.0	1.0	0.817	0.0	1.0	0.817
224	200	207	0.0	1.0	0.833	57.3	-36.0 -35.2	50.3	224	0.0	1.0	0.833	0.0	1.0	0.833
225	201	208	0.0	1.0	0.85	57.4	-35.3 -36.0	50.4	225	0.0	1.0	0.85	0.0	1.0	0.85
226	202	209	0.0	1.0	0.866	57.5	-34.6 -36.8	50.6	226	0.0	1.0	0.867	0.0	1.0	0.867
227	203	210	0.0	1.0	0.883	57.6	-34.0 -37.7	50.8	227	0.0	1.0	0.883	0.0	1.0	0.883
229	204	211	0.0	1.0	0.9	57.7	-33.4 -38.6	51.0	229	0.0	1.0	0.9	0.0	1.0	0.9
230	205	212	0.0	1.0	0.916	57.8	-32.8 -39.4	51.3	230	0.0	1.0	0.917	0.0	1.0	0.917
231	206	213	0.0	1.0	0.933	57.9	-32.1 -40.3	51.6	231	0.0	1.0	0.933	0.0	1.0	0.933
232	207	214	0.0	1.0	0.95	58.0	-31.4 -41.2	51.8	232	0.0	1.0	0.95	0.0	1.0	0.95
233	208	215	0.0	1.0	0.966	58.1	-30.7 -42.0	52.1	233	0.0	1.0	0.967	0.0	1.0	0.967
235	209	216	0.0	1.0	0.983	58.2	-30.0 -42.9	52.3	235	0.0	1.0	0.983	0.0	1.0	0.983
236	210	216	0.0	1.0	1.0	58.3	-29.2 -43.7	52.6	236	0.0	1.0	1.0	0.0	1.0	1.0

1-1031230-L0 QE840-72 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 13/33

TUB-test chart QE84; hue code: H*d=G25Bd
48 step hue circles; $rgb-LabCh^*$ tables

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

1-1031230-F0 C M Y O L V

TUB registration: 20130201-QE84/QE84L0FA.TXT /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 $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

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}	$LAB^*_{ddx361Mi}(x=LabCh)$	C_d	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	$210C_s$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}(x=LabCh)$	$216C_e$	$rgb^*_{dd361Mi}$	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

1-1031330-L0 QE840-72 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 QE84; hue code: $H^*_d = G25B_d$
48 step hue circles; $rgb-LabCh^*$ tables

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

TUB registration: 20130201-QE84/QE84L0FA.TXT /PS
application for measurement of offset print output, separation cmyrn6* (CMYK)
TUB material: code=rha4ta

TUB registration: 20130201-QE84/QE84L0FA.TXT/.PS
application for measurement of offset print output, separation

Output: Offset standard print; separation cmyn6*, D65, page 15/38

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

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^*_{d361Mi} (x=LabCh)			$rgb^*_{ds361Mi}$			$LAB^*_{ds361Mi}$ (x=LabCh)			$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)			$rgb^*_{dd361Mi}$			rgb^*_{dd}	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	0.555	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	M_d 0.432	0.0	1.0	35.7	50.5	-29.1	58.3	330	M_s 1.0	0.0	1.0	0.407	0.0	1.0	34.9	49.3	-30.0	57.7	328	M_e 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																											

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

TUB material: code=rha4ta

Output: Offset standard print; separation cmyn6*, D65, page 17/33

1-1031630-F0

TUB registration: 20130201-QE84/QE84L0FA.TXT /.PS TUB material: code=rha4ta application for measurement of offset print output, separation cmyn6* (CMYK)

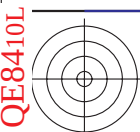
http://130.149.60.45/~farbmetrik/QE84/QE84L0FA.TXT /.PS; 3D-linearization F: 3D-linearization QE84/QE84LE30FA.DAT in file (F), page 18/33

n/f	HC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCH*Fid	cmyn*sep_Fid	rgb*Mid	hsa_Mid	LabCH*Mid	delta
0/648	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0
1/657	R13Y_100_100ad	0.0	0.0	0.0	0.0	50.9	55.5	46.4	72.3	39.9	0.0
2/666	R25Y_100_100ad	0.0	0.0	0.0	0.0	55.3	45.8	52.2	69.5	48.7	0.0
3/675	R38Y_100_100ad	0.0	0.0	0.0	0.0	61.0	34.0	59.9	68.9	60.4	0.0
4/684	R50Y_100_100ad	0.0	0.0	0.0	0.0	67.6	22.6	67.6	71.2	71.4	0.0
5/693	R63Y_100_100ad	0.0	0.0	0.0	0.0	74.0	10.4	76.6	77.3	82.2	0.0
6/702	R75Y_100_100ad	0.0	0.0	0.0	0.0	79.9	1.0	83.9	83.9	89.2	0.0
7/711	R88Y_100_100ad	0.0	0.0	0.0	0.0	84.5	-6.1	89.8	90.0	93.8	0.0
8/720	Y00C_100_100ad	1.0	0.0	0.0	0.0	88.3	-11.9	95.1	95.8	97.1	0.0
9/639	Y13C_100_100ad	0.0	0.0	0.0	0.0	86.0	-15.9	89.0	90.4	100.1	0.0
10/658	Y25C_100_100ad	0.0	0.0	0.0	0.0	83.3	-19.2	83.7	85.9	102.9	0.0
11/477	Y38C_100_100ad	0.0	0.0	0.0	0.0	77.4	-24.9	76.8	80.7	107.9	0.0
12/396	Y50C_100_100ad	0.0	0.0	0.0	0.0	72.7	-31.3	66.0	73.1	115.3	0.0
13/315	Y63C_100_100ad	0.0	0.0	0.0	0.0	68.3	-37.7	57.4	68.7	123.2	0.0
14/234	Y75C_100_100ad	0.0	0.0	0.0	0.0	60.4	-48.8	46.7	67.6	136.2	0.0
15/153	Y88C_100_100ad	0.0	0.0	0.0	0.0	57.0	-55.9	38.3	67.8	145.5	0.0
16/72	G00C_100_100ad	0.0	0.0	0.0	0.0	51.9	-68.8	28.1	74.3	157.7	0.0
17/73	G13C_100_100ad	0.0	0.0	0.0	0.0	52.5	-66.6	19.9	69.5	163.3	0.0
18/74	G25C_100_100ad	0.0	0.0	0.0	0.0	53.2	-62.6	11.0	63.6	170.0	0.0
19/75	G38C_100_100ad	0.0	0.0	0.0	0.0	54.0	-57.3	0.4	57.3	180.4	0.0
20/76	G50C_100_100ad	0.0	0.0	0.0	0.0	54.8	-51.0	-12.3	52.5	193.5	0.0
21/77	G63C_100_100ad	0.0	0.0	0.0	0.0	55.8	-44.7	-22.5	50.1	206.7	0.0
22/78	G75C_100_100ad	0.0	0.0	0.0	0.0	56.8	-38.4	-31.7	49.8	219.6	0.0
23/79	G88C_100_100ad	0.0	0.0	0.0	0.0	57.6	-34.0	-37.7	50.8	227.9	0.0
24/80	C00B_100_100ad	0.0	0.0	0.0	0.0	58.3	-29.2	-43.7	52.6	236.1	0.0
25/71	C13B_100_100ad	0.0	0.0	0.0	0.0	55.4	-25.2	-43.9	50.7	240.0	0.0
26/62	C25B_100_100ad	0.0	0.0	0.0	0.0	52.2	-20.4	-44.1	48.6	245.1	0.0
27/63	C38B_100_100ad	0.0	0.0	0.0	0.0	48.0	-14.3	-44.4	46.6	252.1	0.0
28/44	C50B_100_100ad	0.0	0.0	0.0	0.0	42.7	-6.0	-45.0	45.4	262.3	0.0
29/35	C63B_100_100ad	0.0	0.0	0.0	0.0	37.6	1.8	-45.5	45.5	272.3	0.0
30/26	C75B_100_100ad	0.0	0.0	0.0	0.0	32.7	10.5	-46.2	47.4	282.8	0.0
31/17	C88B_100_100ad	0.0	0.0	0.0	0.0	28.3	17.8	-47.0	50.3	290.7	0.0
32/8	B00M_100_100ad	0.0	0.0	0.0	0.0	25.3	23.5	-47.3	52.8	296.4	0.0
33/89	B13M_100_100ad	0.0	0.0	0.0	0.0	29.0	31.2	-42.9	53.1	306.0	0.0
34/170	B25M_100_100ad	0.0	0.0	0.0	0.0	31.2	35.6	-39.6	53.3	311.9	0.0
35/251	B38M_100_100ad	0.0	0.0	0.0	0.0	33.6	46.9	-31.8	56.7	325.8	0.0
36/332	B50M_100_100ad	0.0	0.0	0.0	0.0	37.8	53.8	-26.3	59.9	333.9	0.0
37/413	B63M_100_100ad	0.0	0.0	0.0	0.0	41.1	59.3	-21.4	63.0	340.1	0.0
38/494	B75M_100_100ad	0.0	0.0	0.0	0.0	43.5	66.4	-14.5	68.0	347.6	0.0
39/575	B88M_100_100ad	0.0	0.0	0.0	0.0	46.1	69.7	-11.7	70.7	350.4	0.0
40/656	M00R_100_100ad	1.0	0.0	0.0	0.0	48.2	72.8	-8.5	73.3	353.3	0.0
41/655	M13R_100_100ad	0.0	0.0	0.0	0.0	48.2	71.7	-4.6	71.8	356.3	0.0
42/654	M25R_100_100ad	0.0	0.0	0.0	0.0	48.1	70.6	-0.2	70.6	359.8	0.0
43/653	M38R_100_100ad	1.0	0.0	0.0	0.0	48.0	69.0	6.6	69.3	355.5	0.0
44/652	M50R_100_100ad	0.0	0.0	0.0	0.0	47.7	67.7	14.0	69.1	351.1	0.0
45/651	M63R_100_100ad	0.0	0.0	0.0	0.0	47.7	66.1	22.3	69.7	346.1	0.0
46/650	M75R_100_100ad	0.0	0.0	0.0	0.0	47.6	65.0	29.7	71.5	341.5	0.0
47/649	M88R_100_100ad	0.0	0.0	0.0	0.0	47.4	64.4	35.5	73.6	328.9	0.0
48/648	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0
49/0	NW_000ad	0.0	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0
50/91	NW_013ad	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0
51/182	NW_025ad	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0
52/273	NW_037ad	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0
53/364	NW_050ad	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0
54/455	NW_063ad	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0
55/546	NW_075ad	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0
56/637	NW_088ad	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0
57/728	NW_100ad	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0

Mean color difference of this page: input: rgb/cmyk -> rgbd output: 3D-linearization to cmyk*ad

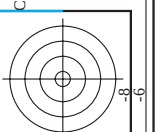
TUB-test chart QE84; hue code: H*d=G25Bd colors and differences, ΔE*

see similar files: http://130.149.60.45/~farbmetrik/QE84/QE84.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB registration: 20130201-QE84/QE84L0FA.TXT /.PS
application for measurement of offset print output, separation cmyk6* (CMYK)

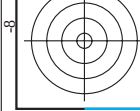
TUB material: code=rha4ta



http://130.149.60.45/~farbmatrik/QE84/QE84L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE84/QE84LE30FA.DAT in file (F), page 20/33

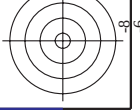
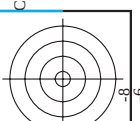
input: rgb/cmyk -> rgbd
output: 3D-linearization to cmyk*dd

n=j	H*Ch*_Fid	rgb_Fid	Lab_Fid	LabCh*_Fid	cmyk*_sep_Fld	hsa_n_Fld	rgb*_Fid	LabCh*_Fid	delta
1	NV 0000L	0.0	0.0	0.0	0.0	360	1.0	1.0	0.0
2	BOOR.012.012ad	0.0	0.125	0.062	0.0	270	0.0	0.0	0.0
3	BOOR.025.025ad	0.0	0.25	0.125	0.0	270	0.0	0.0	0.0
4	BOOR.037.037ad	0.0	0.375	0.187	0.0	270	0.0	0.0	0.0
5	BOOR.050.050ad	0.0	0.5	0.25	0.0	270	0.0	0.0	0.0
6	BOOR.062.062ad	0.0	0.625	0.312	0.0	270	0.0	0.0	0.0
7	BOOR.075.075ad	0.0	0.75	0.375	0.0	270	0.0	0.0	0.0
8	BOOR.100.100ad	0.0	1.0	0.5	0.0	270	0.0	0.0	0.0
9	G5B8.012.012ad	0.0	0.125	0.062	0.0	210	0.0	0.0	0.0
10	G5B8.025.025ad	0.0	0.25	0.125	0.0	210	0.0	0.0	0.0
11	G5B8.037.037ad	0.0	0.375	0.187	0.0	210	0.0	0.0	0.0
12	G5B8.050.050ad	0.0	0.5	0.25	0.0	210	0.0	0.0	0.0
13	G5B8.062.062ad	0.0	0.625	0.312	0.0	210	0.0	0.0	0.0
14	G5B8.075.075ad	0.0	0.75	0.375	0.0	210	0.0	0.0	0.0
15	G5B8.100.100ad	0.0	1.0	0.5	0.0	210	0.0	0.0	0.0
16	G5B8.012.012ad	0.0	0.125	0.062	0.0	150	0.0	0.0	0.0
17	G5B8.025.025ad	0.0	0.25	0.125	0.0	150	0.0	0.0	0.0
18	G5B8.037.037ad	0.0	0.375	0.187	0.0	150	0.0	0.0	0.0
19	G5B8.050.050ad	0.0	0.5	0.25	0.0	150	0.0	0.0	0.0
20	G5B8.062.062ad	0.0	0.625	0.312	0.0	150	0.0	0.0	0.0
21	G5B8.075.075ad	0.0	0.75	0.375	0.0	150	0.0	0.0	0.0
22	G5B8.100.100ad	0.0	1.0	0.5	0.0	150	0.0	0.0	0.0
23	G5B8.012.012ad	0.0	0.125	0.062	0.0	90	0.0	0.0	0.0
24	G5B8.025.025ad	0.0	0.25	0.125	0.0	90	0.0	0.0	0.0
25	G5B8.037.037ad	0.0	0.375	0.187	0.0	90	0.0	0.0	0.0
26	G5B8.050.050ad	0.0	0.5	0.25	0.0	90	0.0	0.0	0.0
27	G5B8.062.062ad	0.0	0.625	0.312	0.0	90	0.0	0.0	0.0
28	G5B8.075.075ad	0.0	0.75	0.375	0.0	90	0.0	0.0	0.0
29	G5B8.100.100ad	0.0	1.0	0.5	0.0	90	0.0	0.0	0.0
30	G5B8.012.012ad	0.0	0.125	0.062	0.0	30	0.0	0.0	0.0
31	G5B8.025.025ad	0.0	0.25	0.125	0.0	30	0.0	0.0	0.0
32	G5B8.037.037ad	0.0	0.375	0.187	0.0	30	0.0	0.0	0.0
33	G5B8.050.050ad	0.0	0.5	0.25	0.0	30	0.0	0.0	0.0
34	G5B8.062.062ad	0.0	0.625	0.312	0.0	30	0.0	0.0	0.0
35	G5B8.075.075ad	0.0	0.75	0.375	0.0	30	0.0	0.0	0.0
36	G5B8.100.100ad	0.0	1.0	0.5	0.0	30	0.0	0.0	0.0
37	G5B8.012.012ad	0.0	0.125	0.062	0.0	10	0.0	0.0	0.0
38	G5B8.025.025ad	0.0	0.25	0.125	0.0	10	0.0	0.0	0.0
39	G5B8.037.037ad	0.0	0.375	0.187	0.0	10	0.0	0.0	0.0
40	G5B8.050.050ad	0.0	0.5	0.25	0.0	10	0.0	0.0	0.0
41	G5B8.062.062ad	0.0	0.625	0.312	0.0	10	0.0	0.0	0.0
42	G5B8.075.075ad	0.0	0.75	0.375	0.0	10	0.0	0.0	0.0
43	G5B8.100.100ad	0.0	1.0	0.5	0.0	10	0.0	0.0	0.0
44	G5B8.012.012ad	0.0	0.125	0.062	0.0	5	0.0	0.0	0.0
45	G5B8.025.025ad	0.0	0.25	0.125	0.0	5	0.0	0.0	0.0
46	G5B8.037.037ad	0.0	0.375	0.187	0.0	5	0.0	0.0	0.0
47	G5B8.050.050ad	0.0	0.5	0.25	0.0	5	0.0	0.0	0.0
48	G5B8.062.062ad	0.0	0.625	0.312	0.0	5	0.0	0.0	0.0
49	G5B8.075.075ad	0.0	0.75	0.375	0.0	5	0.0	0.0	0.0
50	G5B8.100.100ad	0.0	1.0	0.5	0.0	5	0.0	0.0	0.0
51	G5B8.012.012ad	0.0	0.125	0.062	0.0	2	0.0	0.0	0.0
52	G5B8.025.025ad	0.0	0.25	0.125	0.0	2	0.0	0.0	0.0
53	G5B8.037.037ad	0.0	0.375	0.187	0.0	2	0.0	0.0	0.0
54	G5B8.050.050ad	0.0	0.5	0.25	0.0	2	0.0	0.0	0.0
55	G5B8.062.062ad	0.0	0.625	0.312	0.0	2	0.0	0.0	0.0
56	G5B8.075.075ad	0.0	0.75	0.375	0.0	2	0.0	0.0	0.0
57	G5B8.100.100ad	0.0	1.0	0.5	0.0	2	0.0	0.0	0.0
58	G5B8.012.012ad	0.0	0.125	0.062	0.0	1	0.0	0.0	0.0
59	G5B8.025.025ad	0.0	0.25	0.125	0.0	1	0.0	0.0	0.0
60	G5B8.037.037ad	0.0	0.375	0.187	0.0	1	0.0	0.0	0.0
61	G5B8.050.050ad	0.0	0.5	0.25	0.0	1	0.0	0.0	0.0
62	G5B8.062.062ad	0.0	0.625	0.312	0.0	1	0.0	0.0	0.0
63	G5B8.075.075ad	0.0	0.75	0.375	0.0	1	0.0	0.0	0.0
64	G5B8.100.100ad	0.0	1.0	0.5	0.0	1	0.0	0.0	0.0
65	G5B8.012.012ad	0.0	0.125	0.062	0.0	0	0.0	0.0	0.0
66	G5B8.025.025ad	0.0	0.25	0.125	0.0	0	0.0	0.0	0.0
67	G5B8.037.037ad	0.0	0.375	0.187	0.0	0	0.0	0.0	0.0
68	G5B8.050.050ad	0.0	0.5	0.25	0.0	0	0.0	0.0	0.0
69	G5B8.062.062ad	0.0	0.625	0.312	0.0	0	0.0	0.0	0.0
70	G5B8.075.075ad	0.0	0.75	0.375	0.0	0	0.0	0.0	0.0
71	G5B8.100.100ad	0.0	1.0	0.5	0.0	0	0.0	0.0	0.0
72	G5B8.012.012ad	0.0	0.125	0.062	0.0	0	0.0	0.0	0.0
73	G5B8.025.025ad	0.0	0.25	0.125	0.0	0	0.0	0.0	0.0
74	G5B8.037.037ad	0.0	0.375	0.187	0.0	0	0.0	0.0	0.0
75	G5B8.050.050ad	0.0	0.5	0.25	0.0	0	0.0	0.0	0.0
76	G5B8.062.062ad	0.0	0.625	0.312	0.0	0	0.0	0.0	0.0
77	G5B8.075.075ad	0.0	0.75	0.375	0.0	0	0.0	0.0	0.0
78	G5B8.100.100ad	0.0	1.0	0.5	0.0	0	0.0	0.0	0.0
79	G5B8.012.012ad	0.0	0.125	0.062	0.0	0	0.0	0.0	0.0
80	G5B8.025.025ad	0.0	0.25	0.125	0.0	0	0.0	0.0	0.0



TUB registration: 20130201-QE84/QE84L0FA.TXT / .PS
application for measurement of offset print output, separation cmyn6* (CMYK)

TUB material: code=rha4ta



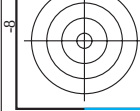
http://130.149.60.45/~farbmatrik/QE84/QE84L0FA.TXT / .PS; 3D-linearization
F: 3D-linearization QE84/QE84L0FA.DAT in file (F), page 24/33

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

n	H*Ch*Fid	rgb_Fid	lch_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmyn*sep_Fid	hsm*Fid	rgb*Fid	LabCh*Fid	delta
324	R050_050_050ad	0.5	0.5	0.5	0.5	32.5	0.0	0.845	0.0	0.845	0.544
325	R050_050_050ad	0.5	0.0	0.125	0.5	32.7	0.0	0.843	0.0	0.843	0.549
326	R050_050_050ad	0.5	0.0	0.25	0.5	32.9	0.0	0.841	0.0	0.841	0.554
327	R050_050_050ad	0.5	0.0	0.375	0.5	33.1	0.0	0.839	0.0	0.839	0.559
328	R050_050_050ad	0.5	0.0	0.5	0.5	33.3	0.0	0.837	0.0	0.837	0.564
329	R050_050_050ad	0.5	0.0	0.625	0.5	33.5	0.0	0.835	0.0	0.835	0.569
330	R050_050_050ad	0.5	0.0	0.75	0.5	33.7	0.0	0.833	0.0	0.833	0.574
331	R050_050_050ad	0.5	0.0	0.875	0.5	33.9	0.0	0.831	0.0	0.831	0.579
332	R050_050_050ad	0.5	0.0	1.0	0.5	34.1	0.0	0.829	0.0	0.829	0.584
333	R050_050_050ad	0.5	0.0	1.0	0.5	34.3	0.0	0.827	0.0	0.827	0.589
334	R050_050_050ad	0.5	0.0	1.0	0.5	34.5	0.0	0.825	0.0	0.825	0.594
335	R050_050_050ad	0.5	0.0	1.0	0.5	34.7	0.0	0.823	0.0	0.823	0.599
336	R050_050_050ad	0.5	0.0	1.0	0.5	34.9	0.0	0.821	0.0	0.821	0.604
337	R050_050_050ad	0.5	0.0	1.0	0.5	35.1	0.0	0.819	0.0	0.819	0.609
338	R050_050_050ad	0.5	0.0	1.0	0.5	35.3	0.0	0.817	0.0	0.817	0.614
339	R050_050_050ad	0.5	0.0	1.0	0.5	35.5	0.0	0.815	0.0	0.815	0.619
340	R050_050_050ad	0.5	0.0	1.0	0.5	35.7	0.0	0.813	0.0	0.813	0.624
341	R050_050_050ad	0.5	0.0	1.0	0.5	35.9	0.0	0.811	0.0	0.811	0.629
342	R050_050_050ad	0.5	0.0	1.0	0.5	36.1	0.0	0.809	0.0	0.809	0.634
343	R050_050_050ad	0.5	0.0	1.0	0.5	36.3	0.0	0.807	0.0	0.807	0.639
344	R050_050_050ad	0.5	0.0	1.0	0.5	36.5	0.0	0.805	0.0	0.805	0.644
345	R050_050_050ad	0.5	0.0	1.0	0.5	36.7	0.0	0.803	0.0	0.803	0.649
346	R050_050_050ad	0.5	0.0	1.0	0.5	36.9	0.0	0.801	0.0	0.801	0.654
347	R050_050_050ad	0.5	0.0	1.0	0.5	37.1	0.0	0.799	0.0	0.799	0.659
348	R050_050_050ad	0.5	0.0	1.0	0.5	37.3	0.0	0.797	0.0	0.797	0.664
349	R050_050_050ad	0.5	0.0	1.0	0.5	37.5	0.0	0.795	0.0	0.795	0.669
350	R050_050_050ad	0.5	0.0	1.0	0.5	37.7	0.0	0.793	0.0	0.793	0.674
351	R050_050_050ad	0.5	0.0	1.0	0.5	37.9	0.0	0.791	0.0	0.791	0.679
352	R050_050_050ad	0.5	0.0	1.0	0.5	38.1	0.0	0.789	0.0	0.789	0.684
353	R050_050_050ad	0.5	0.0	1.0	0.5	38.3	0.0	0.787	0.0	0.787	0.689
354	R050_050_050ad	0.5	0.0	1.0	0.5	38.5	0.0	0.785	0.0	0.785	0.694
355	R050_050_050ad	0.5	0.0	1.0	0.5	38.7	0.0	0.783	0.0	0.783	0.699
356	R050_050_050ad	0.5	0.0	1.0	0.5	38.9	0.0	0.781	0.0	0.781	0.704
357	R050_050_050ad	0.5	0.0	1.0	0.5	39.1	0.0	0.779	0.0	0.779	0.709
358	R050_050_050ad	0.5	0.0	1.0	0.5	39.3	0.0	0.777	0.0	0.777	0.714
359	R050_050_050ad	0.5	0.0	1.0	0.5	39.5	0.0	0.775	0.0	0.775	0.719
360	R050_050_050ad	0.5	0.0	1.0	0.5	39.7	0.0	0.773	0.0	0.773	0.724
361	R050_050_050ad	0.5	0.0	1.0	0.5	39.9	0.0	0.771	0.0	0.771	0.729
362	R050_050_050ad	0.5	0.0	1.0	0.5	40.1	0.0	0.769	0.0	0.769	0.734
363	R050_050_050ad	0.5	0.0	1.0	0.5	40.3	0.0	0.767	0.0	0.767	0.739
364	R050_050_050ad	0.5	0.0	1.0	0.5	40.5	0.0	0.765	0.0	0.765	0.744
365	R050_050_050ad	0.5	0.0	1.0	0.5	40.7	0.0	0.763	0.0	0.763	0.749
366	R050_050_050ad	0.5	0.0	1.0	0.5	40.9	0.0	0.761	0.0	0.761	0.754
367	R050_050_050ad	0.5	0.0	1.0	0.5	41.1	0.0	0.759	0.0	0.759	0.759
368	R050_050_050ad	0.5	0.0	1.0	0.5	41.3	0.0	0.757	0.0	0.757	0.764
369	R050_050_050ad	0.5	0.0	1.0	0.5	41.5	0.0	0.755	0.0	0.755	0.769
370	R050_050_050ad	0.5	0.0	1.0	0.5	41.7	0.0	0.753	0.0	0.753	0.774
371	R050_050_050ad	0.5	0.0	1.0	0.5	41.9	0.0	0.751	0.0	0.751	0.779
372	R050_050_050ad	0.5	0.0	1.0	0.5	42.1	0.0	0.749	0.0	0.749	0.784
373	R050_050_050ad	0.5	0.0	1.0	0.5	42.3	0.0	0.747	0.0	0.747	0.789
374	R050_050_050ad	0.5	0.0	1.0	0.5	42.5	0.0	0.745	0.0	0.745	0.794
375	R050_050_050ad	0.5	0.0	1.0	0.5	42.7	0.0	0.743	0.0	0.743	0.799
376	R050_050_050ad	0.5	0.0	1.0	0.5	42.9	0.0	0.741	0.0	0.741	0.804
377	R050_050_050ad	0.5	0.0	1.0	0.5	43.1	0.0	0.739	0.0	0.739	0.809
378	R050_050_050ad	0.5	0.0	1.0	0.5	43.3	0.0	0.737	0.0	0.737	0.814
379	R050_050_050ad	0.5	0.0	1.0	0.5	43.5	0.0	0.735	0.0	0.735	0.819
380	R050_050_050ad	0.5	0.0	1.0	0.5	43.7	0.0	0.733	0.0	0.733	0.824
381	R050_050_050ad	0.5	0.0	1.0	0.5	43.9	0.0	0.731	0.0	0.731	0.829
382	R050_050_050ad	0.5	0.0	1.0	0.5	44.1	0.0	0.729	0.0	0.729	0.834
383	R050_050_050ad	0.5	0.0	1.0	0.5	44.3	0.0	0.727	0.0	0.727	0.839
384	R050_050_050ad	0.5	0.0	1.0	0.5	44.5	0.0	0.725	0.0	0.725	0.844
385	R050_050_050ad	0.5	0.0	1.0	0.5	44.7	0.0	0.723	0.0	0.723	0.849
386	R050_050_050ad	0.5	0.0	1.0	0.5	44.9	0.0	0.721	0.0	0.721	0.854
387	R050_050_050ad	0.5	0.0	1.0	0.5	45.1	0.0	0.719	0.0	0.719	0.859
388	R050_050_050ad	0.5	0.0	1.0	0.5	45.3	0.0	0.717	0.0	0.717	0.864
389	R050_050_050ad	0.5	0.0	1.0	0.5	45.5	0.0	0.715	0.0	0.715	0.869
390	R050_050_050ad	0.5	0.0	1.0	0.5	45.7	0.0	0.713	0.0	0.713	0.874
391	R050_050_050ad	0.5	0.0	1.0	0.5	45.9	0.0	0.711	0.0	0.711	0.879
392	R050_050_050ad	0.5	0.0	1.0	0.5	46.1	0.0	0.709	0.0	0.709	0.884
393	R050_050_050ad	0.5	0.0	1.0	0.5	46.3	0.0	0.707	0.0	0.707	0.889
394	R050_050_050ad	0.5	0.0	1.0	0.5	46.5	0.0	0.705	0.0	0.705	0.894
395	R050_050_050ad	0.5	0.0	1.0	0.5	46.7	0.0	0.703	0.0	0.703	0.899
396	R050_050_050ad	0.5	0.0	1.0	0.5	46.9	0.0	0.701	0.0	0.701	0.904
397	R050_050_050ad	0.5	0.0	1.0	0.5	47.1	0.0	0.699	0.0	0.699	0.909
398	R050_050_050ad	0.5	0.0	1.0	0.5	47.3	0.0	0.697	0.0	0.697	0.914
399	R050_050_050ad	0.5	0.0	1.0	0.5	47.5	0.0	0.695	0.0	0.695	0.919
400	R050_050_050ad	0.5	0.0	1.0	0.5	47.7	0.0	0.693	0.0	0.693	0.924
401	R050_050_050ad	0.5	0.0	1.0	0.5	47.9	0.0	0.691	0.0	0.691	0.929
402	R050_050_050ad	0.5	0.0	1.0	0.5	48.1	0.0	0.689	0.0	0.689	0.934
403	R050_050_050ad	0.5	0.0	1.0	0.5	48.3	0.0	0.687	0.0	0.687	0.939
404	R050_050_050ad	0.5	0.0	1.0	0.5	48.5	0.0	0.685	0.0	0.685	0.944

see similar files: <http://130.149.60.45/~farbmatrik/QE84/QE84L0FA.TXT> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart QE84; hue code: H*d=G25Bd
colors and differences, ΔE*

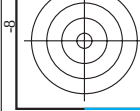


TUB registration: 20130201-QE84/QE84L0FA.TXT /.PS
application for measurement of offset print output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

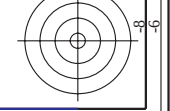
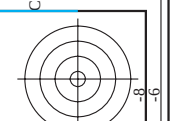
http://130.149.60.45/~farbmatrik/QE84/QE84L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE84/QE84L0FA.DAT in file (F), page 26/33

n	HC*Field	rgb*Field	lch*Field	hsa*Field	rgb*Field	LabCh*Field	cmyn*sep*Field	912	934	473	638	41.2	760	32.8
486	R00Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.934	0.912	0.0	0.285	0.285	0.285	0.285
487	R35Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.934	0.771	0.0	0.286	0.286	0.286	0.286
488	R10Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.931	0.636	0.0	0.289	0.289	0.289	0.289
489	R00Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.933	0.483	0.0	0.291	0.291	0.291	0.291
490	B65R.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.926	0.327	0.0	0.292	0.292	0.292	0.292
491	B57R.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.926	0.189	0.0	0.294	0.294	0.294	0.294
492	B43R.087.087ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.929	0.074	0.0	0.301	0.301	0.301	0.301
493	B38R.100.100ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.999	0.0	0.0	0.184	0.184	0.184	0.184
494	R15Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.81	0.936	0.0	0.285	0.285	0.285	0.285
495	R00Y.075.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.792	0.701	0.0	0.257	0.257	0.257	0.257
496	R31Y.075.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.793	0.598	0.0	0.26	0.26	0.26	0.26
497	R11Y.075.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.797	0.483	0.0	0.264	0.264	0.264	0.264
498	B69R.075.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.797	0.331	0.0	0.268	0.268	0.268	0.268
499	B59R.075.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.8	0.194	0.0	0.271	0.271	0.271	0.271
500	B50R.075.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.802	0.084	0.0	0.277	0.277	0.277	0.277
501	B42R.087.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.881	0.0	0.0	0.189	0.189	0.189	0.189
502	B36R.100.087ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.873	0.0	0.0	0.189	0.189	0.189	0.189
503	B36R.100.087ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.873	0.0	0.0	0.189	0.189	0.189	0.189
504	R31Y.075.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.667	0.941	0.0	0.29	0.29	0.29	0.29
505	R18Y.075.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.667	0.753	0.0	0.29	0.29	0.29	0.29
506	R26Y.075.050ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.671	0.561	0.0	0.252	0.252	0.252	0.252
507	R26Y.075.050ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.671	0.465	0.0	0.256	0.256	0.256	0.256
508	B61R.075.050ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.671	0.33	0.0	0.264	0.264	0.264	0.264
509	B61R.075.050ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.676	0.185	0.0	0.274	0.274	0.274	0.274
510	B50R.075.050ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.676	0.084	0.0	0.274	0.274	0.274	0.274
511	B40R.087.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.678	0.0	0.0	0.196	0.196	0.196	0.196
512	B34R.100.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.683	0.0	0.0	0.186	0.186	0.186	0.186
513	B34R.100.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.683	0.0	0.0	0.186	0.186	0.186	0.186
514	R38Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.532	0.79	0.0	0.279	0.279	0.279	0.279
515	R23Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.556	0.633	0.0	0.263	0.263	0.263	0.263
516	R18Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.546	0.436	0.0	0.259	0.259	0.259	0.259
517	R18Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.543	0.331	0.0	0.259	0.259	0.259	0.259
518	B65R.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.546	0.184	0.0	0.269	0.269	0.269	0.269
519	B50R.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.546	0.078	0.0	0.273	0.273	0.273	0.273
520	B38R.087.050ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.594	0.0	0.0	0.199	0.199	0.199	0.199
521	B30R.100.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.633	0.0	0.0	0.199	0.199	0.199	0.199
522	R68Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.345	0.94	0.0	0.291	0.291	0.291	0.291
523	R61Y.075.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.353	0.822	0.0	0.283	0.283	0.283	0.283
524	R50Y.075.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.389	0.66	0.0	0.274	0.274	0.274	0.274
525	R31Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.417	0.496	0.0	0.265	0.265	0.265	0.265
526	R00Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.406	0.305	0.0	0.26	0.26	0.26	0.26
527	R00Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.406	0.183	0.0	0.272	0.272	0.272	0.272
528	B50R.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.401	0.06	0.0	0.28	0.28	0.28	0.28
529	B34R.087.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.188	0.0	0.0	0.188	0.188	0.188	0.188
530	B23R.100.050ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
531	R85Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.193	0.941	0.0	0.29	0.29	0.29	0.29
532	R18Y.075.062ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.211	0.838	0.0	0.282	0.282	0.282	0.282
533	R76Y.075.050ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.22	0.695	0.0	0.277	0.277	0.277	0.277
534	R68Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.23	0.546	0.0	0.275	0.275	0.275	0.275
535	R50Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.244	0.368	0.0	0.28	0.28	0.28	0.28
536	R00Y.075.075ad	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	39.9 47.9	0.0	0.229	0.03	0.0	0.298	0.298	0.298	0.298
537	B50R.075.075ad	0.7												



TUB registration: 20130201-QE84/QE84L0FA.TXT /.PS
application for measurement of offset print output, separation cmyn6* (CMYK)

TUB material: code=rha4ta



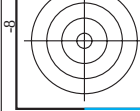
http://130.149.60.45/~farbmatrik/QE84/QE84L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE84/QE84L0FA.DAT in file (F), page 28/33

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

n	HC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCH*Fid	cmyk*sep_Fid	hsv*id	LabCH*Mid	hsv*Mid	hsv*Sep_Fid	delta
648	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
649	R38Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
650	R13Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
651	R23Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
652	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
653	R68R_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
654	B61R_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
655	B55R_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
656	B50R_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
657	R11Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
658	R00Y_100_097ad	1.0	0.875	0.562	390	1.0	0.875	0.562	390	1.0	0.875	0.562
659	R38Y_100_097ad	1.0	0.875	0.562	382	1.0	0.875	0.562	382	1.0	0.875	0.562
660	R13Y_100_097ad	1.0	0.875	0.562	374	1.0	0.875	0.562	374	1.0	0.875	0.562
661	R23Y_100_097ad	1.0	0.875	0.562	365	1.0	0.875	0.562	365	1.0	0.875	0.562
662	R00Y_100_097ad	1.0	0.875	0.562	356	1.0	0.875	0.562	356	1.0	0.875	0.562
663	B68R_100_097ad	1.0	0.875	0.562	347	1.0	0.875	0.562	347	1.0	0.875	0.562
664	B55R_100_097ad	1.0	0.875	0.562	338	1.0	0.875	0.562	338	1.0	0.875	0.562
665	B50R_100_097ad	1.0	0.875	0.562	330	1.0	0.875	0.562	330	1.0	0.875	0.562
666	R23Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
667	R13Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
668	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
669	R38Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
670	R13Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
671	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
672	B68R_100_075ad	1.0	0.75	0.625	349	1.0	0.75	0.625	349	1.0	0.75	0.625
673	B55R_100_075ad	1.0	0.75	0.625	340	1.0	0.75	0.625	340	1.0	0.75	0.625
674	B50R_100_075ad	1.0	0.75	0.625	330	1.0	0.75	0.625	330	1.0	0.75	0.625
675	R23Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
676	R13Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
677	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
678	R38Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
679	R13Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
680	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
681	B68R_100_062ad	1.0	0.625	0.887	367	1.0	0.625	0.887	367	1.0	0.625	0.887
682	B59R_100_062ad	1.0	0.625	0.887	353	1.0	0.625	0.887	353	1.0	0.625	0.887
683	B50Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
684	R50Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	0.0
685	R41Y_100_097ad	1.0	0.875	0.562	55	1.0	0.875	0.562	55	1.0	0.875	0.562
686	R31Y_100_075ad	1.0	0.75	0.625	49	1.0	0.75	0.625	49	1.0	0.75	0.625
687	R18Y_100_062ad	1.0	0.625	0.887	41	1.0	0.625	0.887	41	1.0	0.625	0.887
688	R00Y_100_050ad	1.0	0.5	0.375	390	1.0	0.5	0.375	390	1.0	0.5	0.375
689	R26Y_100_050ad	1.0	0.5	0.375	376	1.0	0.5	0.375	376	1.0	0.5	0.375
690	R00Y_100_050ad	1.0	0.5	0.375	360	1.0	0.5	0.375	360	1.0	0.5	0.375
691	B61R_100_050ad	1.0	0.5	0.375	344	1.0	0.5	0.375	344	1.0	0.5	0.375
692	B50R_100_050ad	1.0	0.5	0.375	330	1.0	0.5	0.375	330	1.0	0.5	0.375
693	R63Y_100_100ad	1.0	0.625	0.887	68	1.0	0.625	0.887	68	1.0	0.625	0.887
694	R38Y_100_097ad	1.0	0.875	0.562	65	1.0	0.875	0.562	65	1.0	0.875	0.562
695	R30Y_100_075ad	1.0	0.75	0.625	60	1.0	0.75	0.625	60	1.0	0.75	0.625
696	R38Y_100_062ad	1.0	0.625	0.887	53	1.0	0.625	0.887	53	1.0	0.625	0.887
697	R23Y_100_050ad	1.0	0.625	0.887	44	1.0	0.625	0.887	44	1.0	0.625	0.887
698	R00Y_100_037ad	1.0	0.375	0.812	390	1.0	0.375	0.812	390	1.0	0.375	0.812
699	R18Y_100_037ad	1.0	0.375	0.812	371	1.0	0.375	0.812	371	1.0	0.375	0.812
700	B68R_100_037ad	1.0	0.625	0.875	349	1.0	0.625	0.875	349	1.0	0.625	0.875
701	B59R_100_037ad	1.0	0.625	0.875	330	1.0	0.625	0.875	330	1.0	0.625	0.875
702	R76Y_100_100ad	1.0	0.75	0.625	74	1.0	0.75	0.625	74	1.0	0.75	0.625
703	R31Y_100_075ad	1.0	0.75	0.625	71	1.0	0.75	0.625	71	1.0	0.75	0.625
704	R00Y_100_050ad	1.0	0.5	0.375	390	1.0	0.5	0.375	390	1.0	0.5	0.375
705	B61R_100_062ad	1.0	0.625	0.887	61	1.0	0.625	0.887	61	1.0	0.625	0.887
706	B50Y_100_050ad	1.0	0.5	0.375	60	1.0	0.5	0.375	60	1.0	0.5	0.375
707	R31Y_100_037ad	1.0	0.375	0.812	49	1.0	0.375	0.812	49	1.0	0.375	0.812
708	R00Y_100_025ad	1.0	0.25	0.875	390	1.0	0.25	0.875	390	1.0	0.25	0.875
709	R38Y_100_025ad	1.0	0.25	0.875	360	1.0	0.25	0.875	360	1.0	0.25	0.875
710	B50R_100_025ad	1.0	0.25	0.875	330	1.0	0.25	0.875	330	1.0	0.25	0.875
711	R88Y_100_100ad	1.0	0.875	0.125	83	1.0	0.875	0.125	83	1.0	0.875	0.125
712	R85Y_100_097ad	1.0	0.875	0.125	81	1.0	0.875	0.125	81	1.0	0.875	0.125
713	R85Y_100_062ad	1.0	0.875	0.125	80	1.0	0.875	0.125	80	1.0	0.875	0.125
714	R81Y_100_062ad	1.0	0.875	0.125	79	1.0	0.875	0.125	79	1.0	0.875	0.125
715	R76Y_100_050ad	1.0	0.875	0.125	76	1.0	0.875	0.125	76	1.0	0.875	0.125
716	R88Y_100_037ad	1.0	0.375	0.812	71	1.0	0.375	0.812	71	1.0	0.375	0.812
717	R85Y_100_025ad	1.0	0.25	0.875	60	1.0	0.25	0.875	60	1.0	0.25	0.875
718	R00Y_100_012ad	1.0	0.875	0.875	1.0	1.0	0.875	0.875	1.0	1.0	0.875	0.875
719	B50R_100_012ad	1.0	0.875	0.875	1.0	1.0	0.875	0.875	1.0	1.0	0.875	0.875
720	Y00C_100_100ad	1.0	1.0	0.0	90	1.0	1.0	0.0	90	1.0	1.0	0.0
721	Y00C_100_087ad	1.0	1.0	0.0	89	1.0	1.0	0.0	89	1.0	1.0	0.0
722	Y00C_100_075ad	1.0	1.0	0.0	88	1.0	1.0	0.0	88	1.0	1.0	0.0
723	Y00C_100_062ad	1.0	1.0	0.0	87	1.0	1.0	0.0	87	1.0	1.0	0.0
724	Y00C_100_050ad	1.0	1.0	0.0	86	1.0	1.0	0.0	86	1.0	1.0	0.0
725	Y00C_100_037ad	1.0	1.0	0.0	85	1.0	1.0	0.0	85	1.0	1.0	0.0
726	Y00C_100_025ad	1.0	1.0	0.0	84	1.0	1.0	0.0	84	1.0	1.0	0.0
727	Y00C_100_012ad	1.0	1.0	0.0	83	1.0	1.0	0.0	83	1.0	1.0	0.0
728	NW_100ad	1.0	1.0	1.0	360	1.0	1.0	1.0	360	1.0	1.0	1.0

see similar files: <http://130.149.60.45/~farbmatrik/QE84/QE84L0FA.TXT> /.PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart QE84; hue code: H*d=G25Bd
colors and differences, ΔE*



TUB registration: 20130201-QE84/QE84L0FA.TXT /.PS
application for measurement of offset print output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

http://130.149.60.45/~farbmatrik/QE84/QE84L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE84/QE84L0FA.DAT in file (F), page 29/33

see similar files: <http://130.149.60.45/~farbmatrik/QE84/QE84L0FA.TXT> /.PS; 3D-linearization
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

n	HC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb_Fid	LabCH_Fid	cmyn*_sep_Fid	hsa_id	rgb_id	LabCH_id	cmyn*_sep_id	delta
729	NW_1000ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
730	G50B_100.012ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
731	G50B_100.037ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
732	G50B_100.052ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
733	G50B_100.067ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
734	G50B_100.082ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
735	G50B_100.097ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
736	G50B_100.112ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
737	G50B_100.127ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
738	ROY_100.012ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
739	ROY_100.037ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
740	ROY_100.052ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
741	ROY_100.067ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
742	ROY_100.082ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
743	ROY_100.097ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
744	ROY_100.112ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
745	ROY_100.127ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
746	ROY_100.142ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
747	ROY_100.157ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
748	ROY_100.172ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
749	ROY_100.187ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
750	ROY_100.202ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
751	ROY_100.217ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
752	ROY_100.232ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
753	ROY_100.247ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
754	ROY_100.262ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
755	ROY_100.277ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
756	ROY_100.292ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
757	ROY_100.307ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
758	ROY_100.322ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
759	ROY_100.337ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
760	ROY_100.352ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
761	ROY_100.367ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
762	ROY_100.382ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
763	ROY_100.397ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
764	ROY_100.412ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
765	ROY_100.427ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
766	ROY_100.442ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
767	ROY_100.457ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
768	ROY_100.472ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
769	ROY_100.487ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
770	ROY_100.502ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
771	ROY_100.517ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
772	ROY_100.532ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
773	ROY_100.547ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
774	ROY_100.562ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
775	ROY_100.577ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
776	ROY_100.592ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
777	ROY_100.607ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
778	ROY_100.622ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
779	ROY_100.637ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
780	ROY_100.652ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
781	ROY_100.667ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
782	ROY_100.682ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
783	ROY_100.697ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
784	ROY_100.712ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
785	ROY_100.727ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
786	ROY_100.742ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
787	ROY_100.757ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
788	ROY_100.772ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
789	ROY_100.787ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
790	ROY_100.802ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
791	ROY_100.817ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
792	ROY_100.832ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
793	ROY_100.847ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
794	ROY_100.862ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
795	ROY_100.877ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
796	ROY_100.892ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
797	ROY_100.907ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
798	ROY_100.922ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
799	ROY_100.937ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
800	ROY_100.952ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
801	ROY_100.967ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
802	ROY_100.982ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
803	ROY_100.997ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
804	ROY_101.012ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
805	ROY_101.027ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
806	ROY_101.042ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
807	ROY_101.057ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
808	ROY_101.072ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0
809	ROY_101.087ad	0.875	1.0	1.0	0.0	95.4	0.0	360	1.0	95.4	0.0	0.0

input: *rgb/cmyk* -> *rgbd*
output: 3D-linearization to *cmyk**
TUB-test chart QE84; hue code: H*d=G25Bd
colors and differences, ΔE*

1-1032830-F0

1-1032830-F0

TUB registration: 20130201-QE84/QE84L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmatrik/QE84/QE84L0FA.TXT /PS; 3D-linearization F: 3D-linearization QE84/QE84LE30FA.DAT in file (F), page 33/33																			
n	HVC*Fid	rgb_Fid	icL_Fid	hsa_Fid	rgb*Fid	LabCH*Fid	cmyn*sep_Fid	hsa_id	rgb*Fid	LabCH*Fid	delta								
1053	NW_0864d	0.866	0.866	0.866	0.866	85.0	0.0	360	1.0	95.4	0.0								
1054	NW_0934d	0.933	0.933	0.933	0.933	90.2	0.0	360	1.0	95.4	0.0								
1055	NW_1004d	1.0	1.0	1.0	1.0	17.7	0.0	360	1.0	95.4	0.0								
1056	NW_0004d	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4	0.0								
1057	NW_0064d	0.066	0.066	0.066	0.066	22.8	0.0	360	1.0	95.4	0.0								
1058	NW_0134d	0.133	0.133	0.133	0.133	38.3	0.0	360	1.0	95.4	0.0								
1059	NW_0204d	0.2	0.2	0.2	0.2	33.2	0.0	360	1.0	95.4	0.0								
1060	NW_0264d	0.266	0.266	0.266	0.266	38.3	0.0	360	1.0	95.4	0.0								
1061	NW_0334d	0.333	0.333	0.333	0.333	43.6	0.0	360	1.0	95.4	0.0								
1062	NW_0404d	0.4	0.4	0.4	0.4	48.8	0.0	360	1.0	95.4	0.0								
1063	NW_0464d	0.466	0.466	0.466	0.466	53.9	0.0	360	1.0	95.4	0.0								
1064	NW_0534d	0.533	0.533	0.533	0.533	59.1	0.0	360	1.0	95.4	0.0								
1065	NW_0604d	0.6	0.6	0.6	0.6	64.3	0.0	360	1.0	95.4	0.0								
1066	NW_0664d	0.666	0.666	0.666	0.666	69.5	0.0	360	1.0	95.4	0.0								
1067	NW_0734d	0.734	0.734	0.734	0.734	74.7	0.0	360	1.0	95.4	0.0								
1068	NW_0804d	0.8	0.8	0.8	0.8	79.9	0.0	360	1.0	95.4	0.0								
1069	NW_0864d	0.866	0.866	0.866	0.866	85.0	0.0	360	1.0	95.4	0.0								
1070	NW_0934d	0.933	0.933	0.933	0.933	90.2	0.0	360	1.0	95.4	0.0								
1071	NW_1004d	1.0	1.0	1.0	1.0	17.7	0.0	360	1.0	95.4	0.0								
1072	NW_0004d	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4	0.0								
1073	R00Y_100_100dat	1.0	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0								
1074	G50B_100_100dat	0.0	0.0	0.0	0.0	47.3	63.8	389	1.0	47.3	63.8								
1075	Y00G_100_100dat	0.0	1.0	1.0	0.0	58.3	-43.7	210	0.0	58.3	-43.7								
1076	B00R_100_100dat	1.0	0.0	0.0	1.0	88.3	-11.9	89	1.0	88.3	-11.9								
1077	Y00G_100_100dat	0.0	1.0	1.0	0.0	25.3	-47.3	270	0.0	25.3	-47.3								
1078	G00B_100_100dat	0.0	0.0	0.0	1.0	51.9	-68.8	449	0.0	51.9	-68.8								
1079	B50R_100_100dat	1.0	0.0	0.0	1.0	48.2	-8.5	330	1.0	48.2	-8.5								

Mean color difference of this page:

0.01790.0084