

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

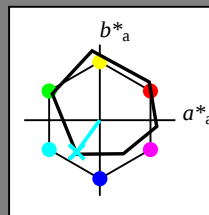
Data for any device (d) or elementary (e) colour:

HIC^*

hue text for the colours of this page:

$H^*_- = G50B_-$

triangle lightness T^*



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

Data for maximum colour (Ma):

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

$HIC^*_{-,Ma}$: G50B_100_100-

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

0.0 1.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

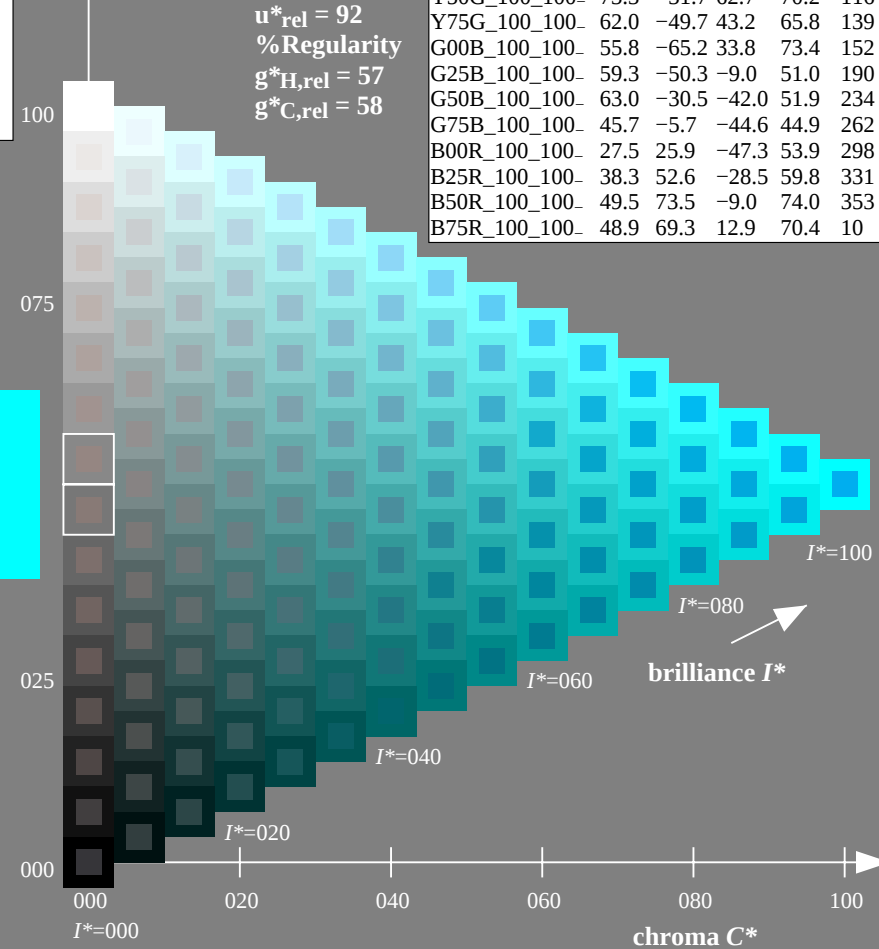
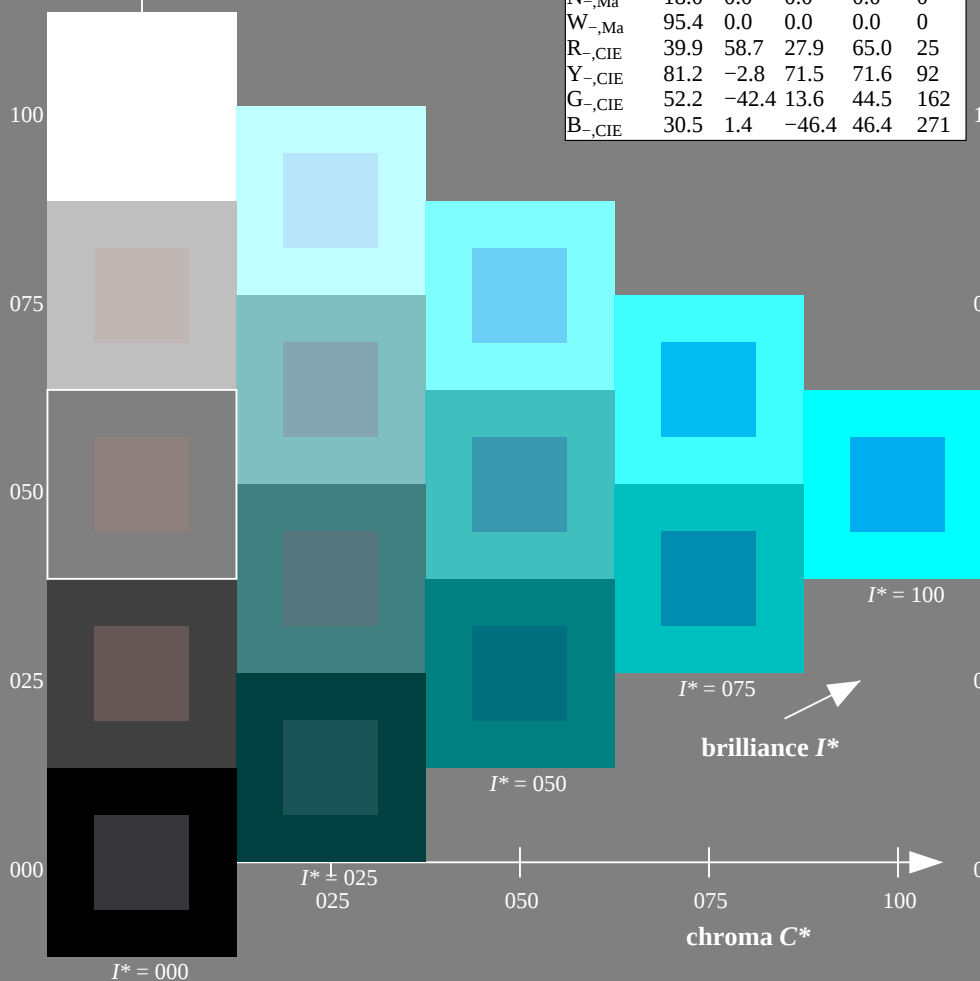
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_-	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100-	48.4	66.1	40.2	77.3	31
R25Y_100_100-	56.8	48.0	50.5	69.6	46
R50Y_100_100-	68.6	25.0	63.9	68.6	68
R75Y_100_100-	80.6	4.8	77.2	77.3	86
Y00G_100_100-	90.2	-9.6	88.2	88.7	96
Y25G_100_100-	83.2	-18.4	79.9	81.9	102
Y50G_100_100-	73.3	-31.7	62.7	70.2	116
Y75G_100_100-	62.0	-49.7	43.2	65.8	139
G00B_100_100-	55.8	-65.2	33.8	73.4	152
G25B_100_100-	59.3	-50.3	-9.0	51.0	190
G50B_100_100-	63.0	-30.5	-42.0	51.9	234
G75B_100_100-	45.7	-5.7	-44.6	44.9	262
B00R_100_100-	27.5	25.9	-47.3	53.9	298
B25R_100_100-	38.3	52.6	-28.5	59.8	331
B50R_100_100-	49.5	73.5	-9.0	74.0	353
B75R_100_100-	48.9	69.3	12.9	70.4	10



TUB-test chart QE97; hue code: $H^*_- = G50B_-$
Test chart according to DIN 33872, 3D=1, de=0, $cm y0^*$

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

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 238/360 = 0.66$

$H^*_d = G50B_d$

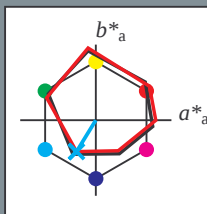
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = G50B_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	45.4	70.9	44.8	83.9	32
$Y_{d,Ma}$	87.8	-10.2	95.4	96.0	96
$G_{d,Ma}$	50.0	-65.0	29.6	71.4	155
$C_{d,Ma}$	56.8	-25.5	-41.5	48.7	238
$B_{d,Ma}$	25.0	29.5	-40.4	50.0	306
$M_{d,Ma}$	46.1	79.3	-0.2	79.3	359
$N_{d,Ma}$	24.3	0.0	0.0	0.0	0
$W_{d,Ma}$	95.6	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):

$LabCh^*_{d,Ma}$: 56 -25 -41 48 238

$HIC^*_{d,Ma}$: G50B_100_100d

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

0.0 1.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

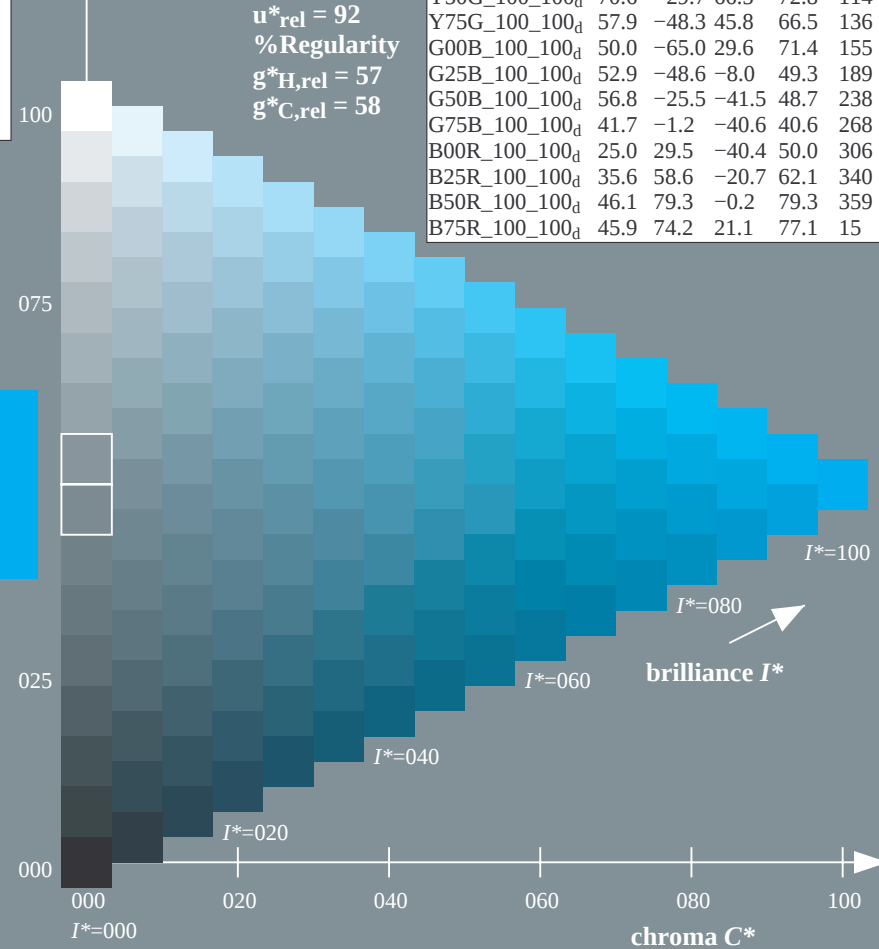
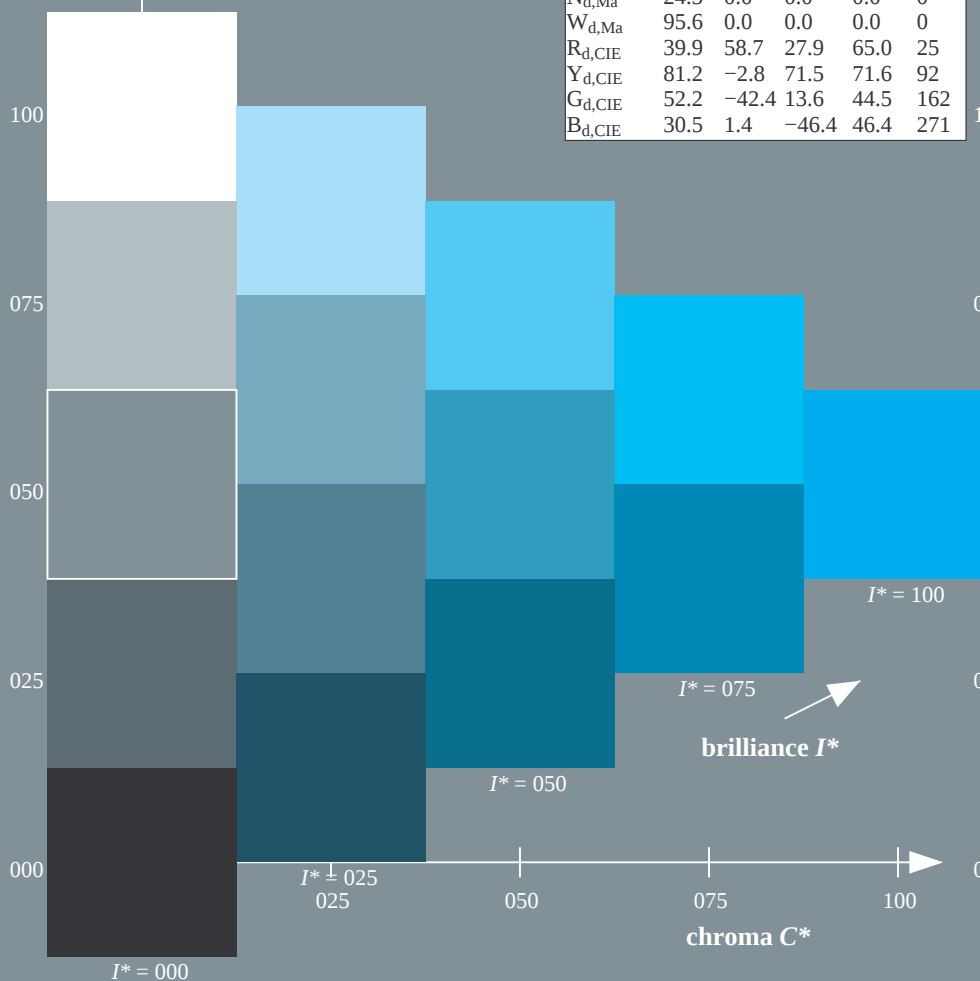
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_100_100_d$	45.4	70.9	44.8	83.9	32
$R25Y_100_100_d$	53.0	53.4	54.8	76.5	45
$R50Y_100_100_d$	64.9	28.9	68.6	74.5	67
$R75Y_100_100_d$	78.6	4.3	84.7	84.8	87
$Y00G_100_100_d$	87.8	-10.2	95.4	96.0	96
$Y25G_100_100_d$	81.2	-17.0	84.3	86.0	101
$Y50G_100_100_d$	70.6	-29.7	66.5	72.8	114
$Y75G_100_100_d$	57.9	-48.3	45.8	66.5	136
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$G25B_100_100_d$	52.9	-48.6	-8.0	49.3	189
$G50B_100_100_d$	56.8	-25.5	-41.5	48.7	238
$G75B_100_100_d$	41.7	-1.2	-40.6	40.6	268
$B00R_100_100_d$	25.0	29.5	-40.4	50.0	306
$B25R_100_100_d$	35.6	58.6	-20.7	62.1	340
$B50R_100_100_d$	46.1	79.3	-0.2	79.3	359
$B75R_100_100_d$	45.9	74.2	21.1	77.1	15



TUB-test chart QE97; hue code: $H^*_d=G50B_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmY0^*_{dd}$

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 238/360 = 0.66$

$H^*_d = G50B_d$

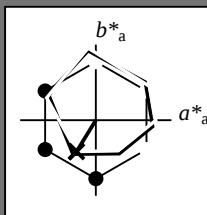
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = G50B_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	45.4	70.9	44.8	83.9	32
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$M_{d,Ma}$	46.1	79.3	-0.2	79.3	359
$N_{d,Ma}$	24.3	0.0	0.0	0.0	0
$W_{d,Ma}$	95.6	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
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$B_{d,CIE}$	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 56 -25 -41 48 238

$HIC^*_{d,Ma}$: G50B_100_100d

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

0.0 1.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

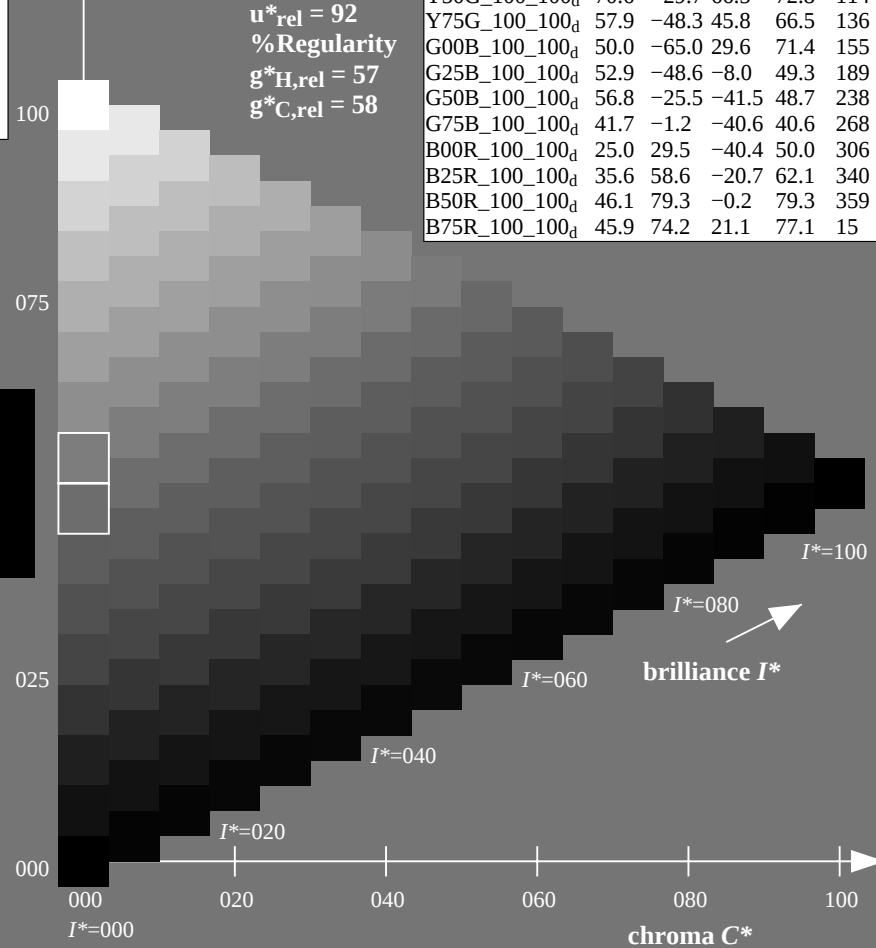
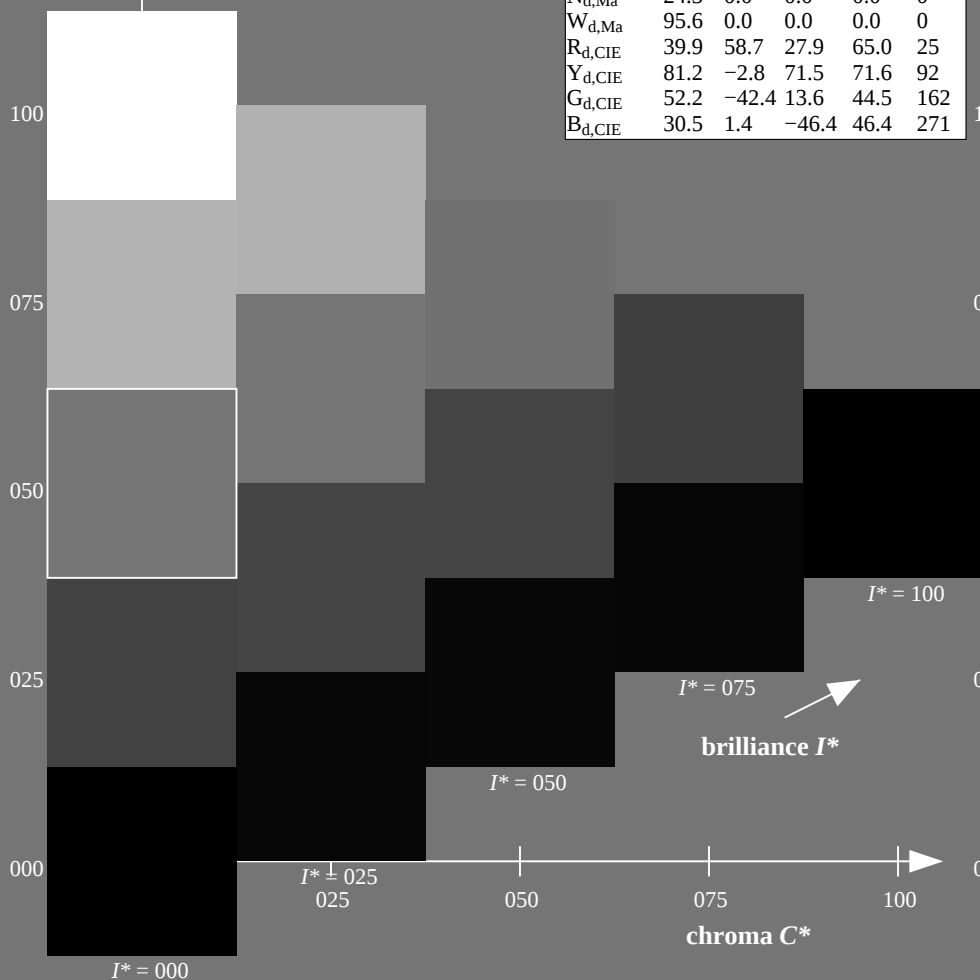
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$B25R_{100_100d}$	35.6	58.6	-20.7	62.1	340
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TUB-test chart QE97; hue code: $H^*_d=G50B_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmY0^*_{dd}$

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 238/360 = 0.66$

$H^*_d = G50B_d$

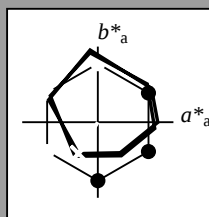
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hue text for the colours of this page:

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triangle lightness T^*



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Data for maximum colour (Ma):

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$HIC^*_{d,Ma}$: G50B_100_100d

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

0.0 1.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

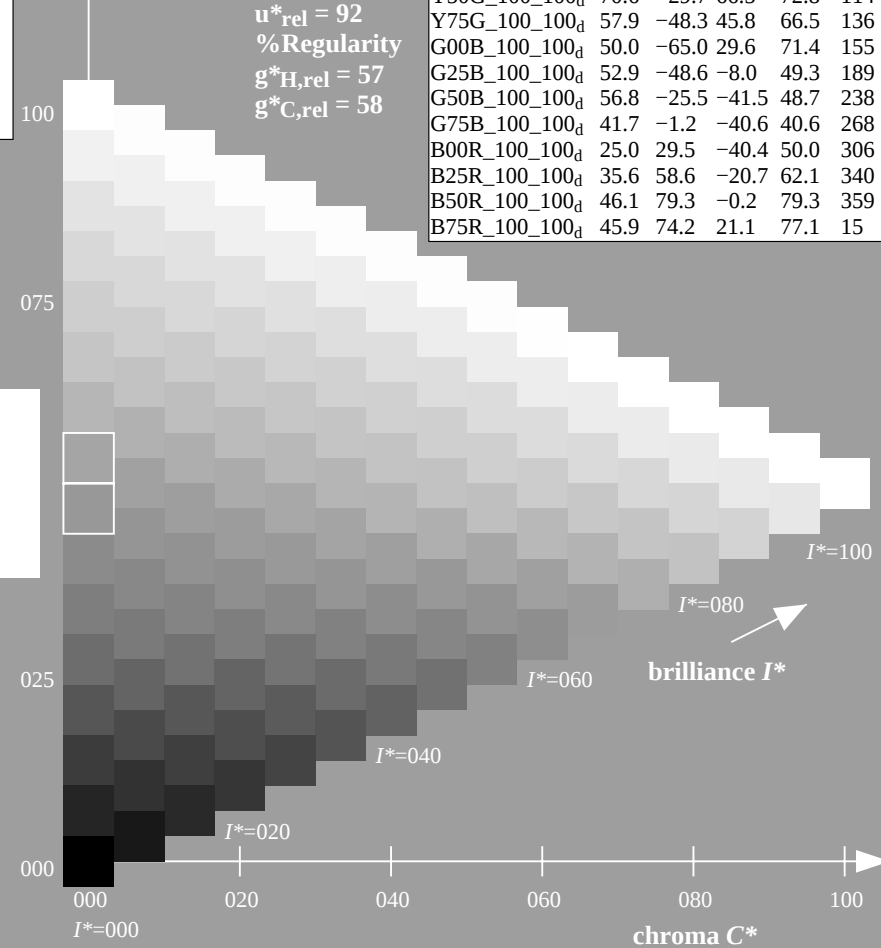
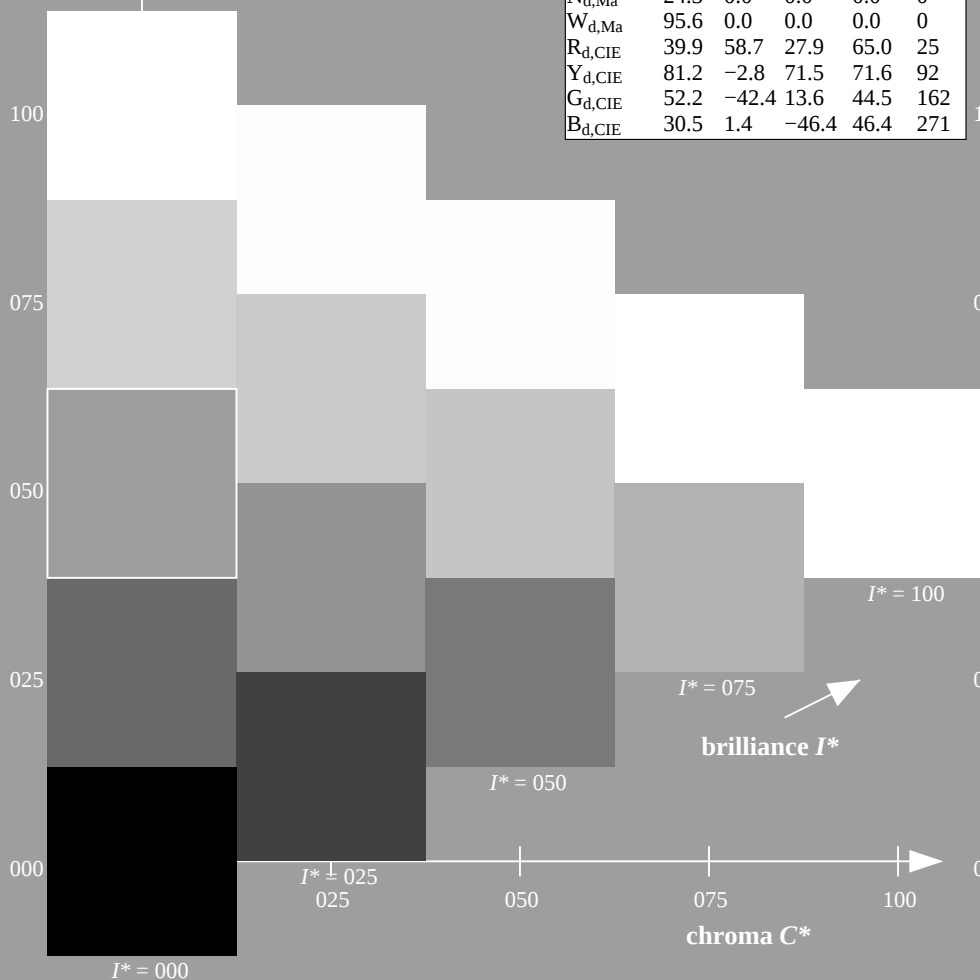
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TUB-test chart QE97; hue code: $H^*_d=G50B_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmY0^*_{dd}$

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 238/360 = 0.66$

$H^*_d = G50B_d$

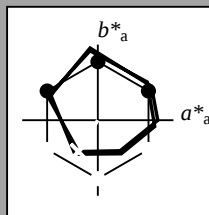
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HIC^*_d

hue text for the colours of this page:

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triangle lightness T^*



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Data for maximum colour (Ma):

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$HIC^*_{d,Ma}$: G50B_100_100d

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

0.0 1.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

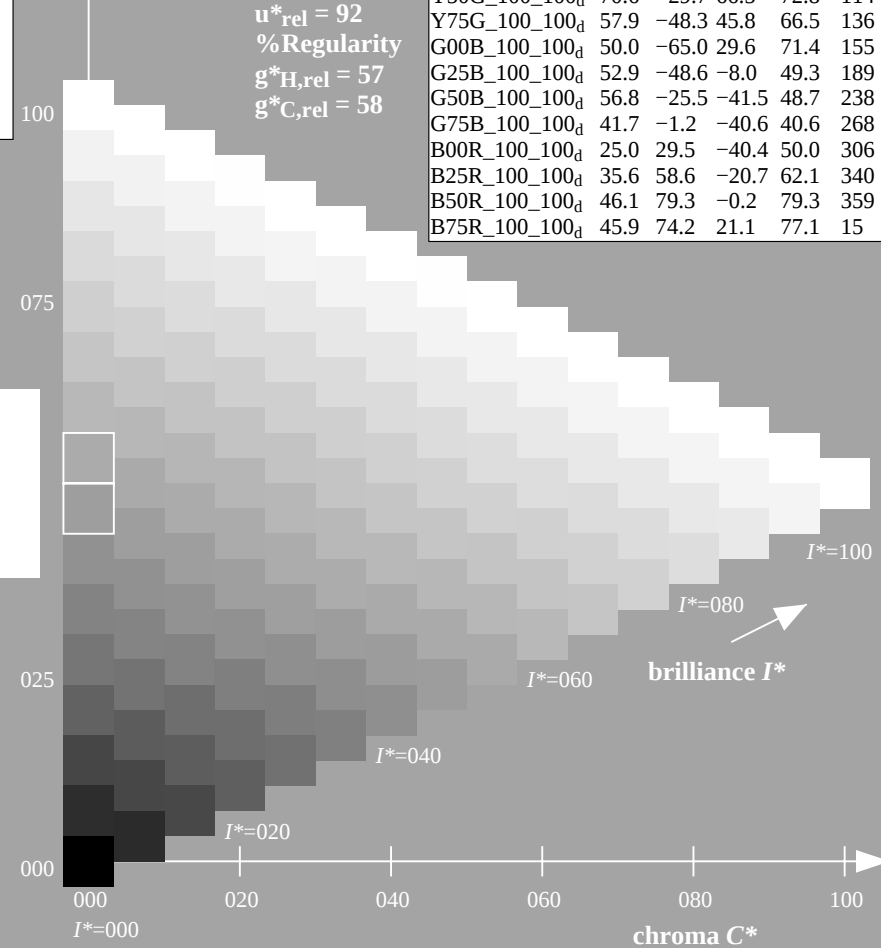
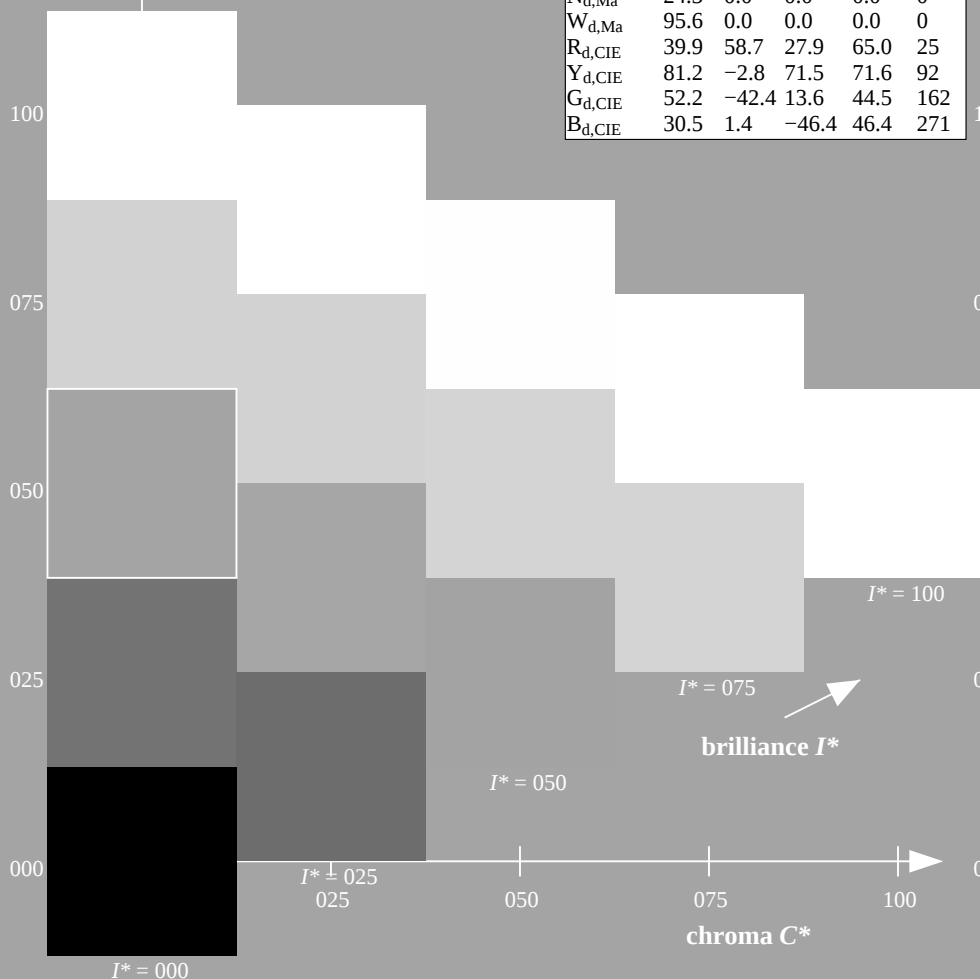
$u^*_{rel} = 92$

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$R75Y_{100_100d}$	78.6	4.3	84.7	84.8	87
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$Y25G_{100_100d}$	81.2	-17.0	84.3	86.0	101
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1-103431-L0 QE970-72

TUB-test chart QE97; hue code: $H^*_d=G50B_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmY0^*_{dd}$

see similar files: <http://130.149.60.45/~farbmetrik/QE97/QE97.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

1-103531-L0 QE970-72

TUB-test chart QE97; hue code: $H_d^* = G50B_d$
Test chart according to DIN 33872, 3D=1, $de=0$, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmY0^*_{dd}$

1-103531-E0

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, 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 $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; 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

$LCH^*_d = 87.8 \ 96.0 \ 96.1$
 $LAB^*_d = 87.8 \ -10.2 \ 95.4$
 $rgb^*_d = 1.0 \ 1.0 \ 0.0$

$L=G_d$ leaf-green

$LCH^*_d = 50.0 \ 71.4 \ 155.5$
 $LAB^*_d = 50.0 \ -65.0 \ 29.6$
 $rgb^*_d = 0.0 \ 1.0 \ 0.0$

$C=C_d$ cyan-blue

$LCH^*_d = 56.8 \ 48.7 \ 238.4$
 $LAB^*_d = 56.8 \ -25.5 \ -41.5$
 $rgb^*_d = 0.0 \ 1.0 \ 1.0$

$O=R_d$ orange-red

$LCH^*_d = 45.4 \ 83.9 \ 32.3$
 $LAB^*_d = 45.4 \ 70.9 \ 44.8$
 $rgb^*_d = 1.0 \ 0.0 \ 0.0$

$M=M_d$ magenta-red

$LCH^*_d = 46.1 \ 79.3 \ 359.8$
 $LAB^*_d = 46.1 \ 79.3 \ -0.2$
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

$V=B_d$ violet-blue

$LCH^*_d = 25.0 \ 50.0 \ 306.2$
 $LAB^*_d = 25.0 \ 29.5 \ -40.4$
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

Y_e yellow

$LCH^*_e = 83.6 \ 90.4 \ 92.3$
 $LAB^*_e = 83.6 \ -3.6 \ 90.4$
 $rgb^*_{de} = 1.0 \ 0.878 \ 0.0$

G_e green

$LCH^*_e = 50.6 \ 65.2 \ 162.2$
 $LAB^*_e = 50.6 \ -62.1 \ 19.9$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.151$

C_e blue-green

$LCH^*_e = 55.0 \ 45.3 \ 216.9$
 $LAB^*_e = 55.0 \ -36.2 \ -27.2$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.747$

B_e blue

$LCH^*_e = 40.2 \ 40.6 \ 271.7$
 $LAB^*_e = 40.2 \ 1.2 \ -40.6$
 $rgb^*_{de} = 0.0 \ 0.458 \ 1.0$

R_e red

$LCH^*_e = 45.6 \ 80.0 \ 25.4$
 $LAB^*_e = 45.6 \ 72.2 \ 34.4$
 $rgb^*_{de} = 1.0 \ 0.0 \ 0.254$

M_e blue-red

$LCH^*_e = 31.1 \ 55.9 \ 328.6$
 $LAB^*_e = 31.1 \ 47.7 \ -29.1$
 $rgb^*_{de} = 0.321 \ 0.0 \ 1.0$

Y_s yellow

$LCH^*_s = 81.4 \ 87.9 \ 90.0$
 $LAB^*_s = 81.4 \ 0.0 \ 87.9$
 $rgb^*_{ds} = 1.0 \ 0.828 \ 0.0$

G_s green

$LCH^*_s = 52.3 \ 68.9 \ 150.0$
 $LAB^*_s = 52.3 \ -59.6 \ 34.4$
 $rgb^*_{ds} = 0.062 \ 1.0 \ 0.0$

R_s red

$LCH^*_s = 45.5 \ 82.4 \ 30.0$
 $LAB^*_s = 45.5 \ 71.3 \ 41.2$
 $rgb^*_{ds} = 1.0 \ 0.0 \ 0.096$

C_s blue-green

$LCH^*_s = 54.5 \ 45.7 \ 210.0$
 $LAB^*_s = 54.5 \ -39.6 \ -22.8$
 $rgb^*_{ds} = 0.0 \ 1.0 \ 0.685$

M_s blue-red

$LCH^*_s = 31.6 \ 56.5 \ 330.0$
 $LAB^*_s = 31.6 \ 49.0 \ -28.2$
 $rgb^*_{ds} = 0.337 \ 0.0 \ 1.0$

B_s blue

$LCH^*_s = 40.9 \ 40.6 \ 270.0$
 $LAB^*_s = 40.9 \ 0.0 \ -40.6$
 $rgb^*_{ds} = 0.0 \ 0.479 \ 1.0$

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

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

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

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

3. For the 48 or 360 equally spaced standard hue angles $h_{ab,s}$ of the colours of maximum chroma use the seven hue angles of the 60 degree colours s : $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:

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

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

4. For the 48 or 360 elementary hue angles $h_{ab,e}$ of the colours of maximum chroma use the seven hue angles of the elementary colours e : $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:

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

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

5. For any elementary hue angle $h_{ab,e}$ there is a well defined device hue angle $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4.

6. The values rgb^*_e produce the output of the device-independent elementary hues

1-103631-L0 QE970-72 LAB*La0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 7/33

TUB-test chart QE97; hue code: $H^*_d=G50B_d$
48 step hue circles; $rgb-LabCh^*$ -tables

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmy0^*_{dd}$

1-103631-F0

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, 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 $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

LAB* ddx64M (x=LabCh)					LAB* ddx361M (x=LabCh)					LAB* dsx361M (x=LabCh)					LAB* dex361M																			
h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* ddx64M	LAB* ddx64M (x=LabCh)	rgb* ddx361M	LAB* ddx361M (x=LabCh)	rgb* dsx361M	LAB* dsx361M (x=LabCh)	rgb* dex361M	LAB* dex361M	h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* ddx64M	LAB* ddx64M (x=LabCh)	rgb* ddx361M	LAB* ddx361M (x=LabCh)	rgb* dsx361M	LAB* dsx361M (x=LabCh)	rgb* dex361M	LAB* dex361M													
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	1.0	0.0	0.0	45.5	70.9	44.9	83.9	32	1.0	0.0	0.096	45.5	71.4	41.2	82.4	30	1.0	0.0	0.255	45.7	72.2	34.4	80.0	25
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	1.0	0.1	0.0	48.7	63.4	49.1	80.2	37	1.0	0.021	0.0	46.0	69.6	45.7	83.3	33	1.0	0.021	0.0	46.0	69.6	45.7	83.3	33
46.8	45.0	42.1	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	1.0	0.2	0.0	53.7	52.0	55.5	76.0	46	1.0	0.223	0.0	52.7	54.4	54.4	76.9	45	1.0	0.183	0.0	51.1	57.9	52.5	78.1	42
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	1.0	0.313	0.0	58.8	41.1	61.7	74.2	56	1.0	0.313	0.0	56.5	46.2	59.1	75.0	52	1.0	0.288	0.0	55.4	48.5	57.8	75.4	49
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	1.0	0.5	0.0	64.9	28.9	68.7	74.5	67	1.0	0.412	0.0	60.9	37.1	64.2	74.2	60	1.0	0.398	0.0	60.3	38.3	63.5	74.1	58
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6	1.0	0.617	0.0	71.6	16.5	76.7	78.4	77	1.0	0.498	0.0	64.8	29.1	68.6	74.5	67	1.0	0.494	0.0	64.6	29.5	68.4	74.5	66
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	1.0	0.75	0.0	77.9	5.5	83.9	84.1	86	1.0	0.585	0.0	69.8	20.0	74.7	77.4	75	1.0	0.592	0.0	70.2	19.3	75.2	77.6	75
92.1	82.5	83.9	1.0	0.875	0.0	83.4	-3.4	90.2	90.2	92.1	1.0	0.867	0.0	83.1	-2.7	89.8	89.9	91	1.0	0.68	0.0	74.7	11.3	80.3	81.1	82	1.0	0.703	0.0	75.8	9.4	81.5	82.0	83
96.1	90.0	92.3	1.0	1.0	0.0	87.8	-10.2	95.4	96.0	96.1	1.0	1.0	0.0	87.8	-10.1	95.5	96.0	96	1.0	0.829	0.0	81.4	0.0	88.0	88.0	90	1.0	0.879	0.0	83.6	-3.6	90.4	90.5	92
98.8	97.5	101.0	0.875	1.0	0.0	84.3	-13.9	89.2	90.3	98.8	0.883	1.0	0.0	84.6	-13.6	89.7	90.7	98	0.959	1.0	0.0	86.7	-11.4	93.5	94.2	97	0.807	1.0	0.0	82.4	-15.8	86.2	87.7	100
101.8	105.0	109.7	0.75	1.0	0.0	80.7	-17.5	83.5	85.3	101.8	0.75	1.0	0.0	80.8	-17.4	83.6	85.4	101	0.682	1.0	0.0	77.8	-21.2	79.4	82.2	105	0.583	1.0	0.0	73.7	-26.1	72.7	77.3	109
107.6	112.5	118.5	0.625	1.0	0.0	75.3	-24.0	75.7	79.4	107.6	0.633	1.0	0.0	75.7	-23.6	76.3	79.9	107	0.54	1.0	0.0	72.1	-28.0	69.5	75.0	112	0.434	1.0	0.0	68.0	-32.9	62.2	70.5	117
114.0	120.0	127.2	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114.0	0.5	1.0	0.0	70.6	-29.6	66.5	72.8	114	0.399	1.0	0.0	66.7	-34.5	59.9	69.2	120	0.322	1.0	0.0	62.6	-40.8	53.8	67.6	127
121.4	127.5	136.0	0.375	1.0	0.0	65.7	-35.6	58.3	68.3	121.4	0.383	1.0	0.0	66.1	-35.2	58.9	68.6	120	0.325	1.0	0.0	62.8	-40.6	54.0	67.6	127	0.249	1.0	0.0	58.4	-47.4	36.8	66.6	135
135.3	135.0	144.7	0.25	1.0	0.0	58.4	-47.3	46.8	66.6	135.3	0.25	1.0	0.0	58.4	-47.3	46.9	66.6	135	0.253	1.0	0.0	58.6	-47.0	47.1	66.7	137	0.122	1.0	0.0	54.6	-54.2	48.4	66.5	144
144.4	142.5	153.4	0.125	1.0	0.0	54.7	-53.9	38.5	66.3	144.4	0.133	1.0	0.0	55.0	-53.5	39.2	66.4	143	0.159	1.0	0.0	55.7	-52.3	40.9	66.4	142	0.03	1.0	0.0	51.2	-62.4	32.0	70.2	152
155.5	150.0	162.2	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	155.5	0.0	1.0	0.0	50.1	-64.9	29.6	71.4	155	0.062	1.0	0.0	52.4	-59.6	34.5	68.9	150	0.0	1.0	0.151	50.7	-62.0	19.9	65.2	162
160.7	157.5	169.0	0.0	1.0	0.125	50.5	-62.8	21.9	66.5	160.7	0.0	1.0	0.117	50.5	-62.9	22.4	66.9	160	0.0	1.0	0.035	50.2	-64.4	27.4	70.0	157	0.0	1.0	0.261	51.3	-58.5	11.8	59.8	168
167.7	165.0	175.9	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167.7	0.0	1.0	0.25	51.2	-58.8	12.7	60.3	167	0.0	1.0	0.2	51.0	-60.5	16.2	62.8	165	0.0	1.0	0.364	52.0	-55.0	3.9	55.2	175
176.7	172.5	182.7	0.0	1.0	0.375	52.0	-54.5	3.1	54.6	176.7	0.0	1.0	0.367	52.0	-54.8	3.7	55.1	176	0.0	1.0	0.309	51.6	-57.0	8.0	57.7	172	0.0	1.0	0.43	52.5	-52.2	-2.0	52.3	182
189.3	180.0	189.6	0.0	1.0	0.5	52.9	-48.6	-8.0	49.3	189.3	0.0	1.0	0.5	53.0	-48.6	-7.9	49.3	189	0.0	1.0	0.407	52.3	-53.2	0.0	53.3	180	0.0	1.0	0.502	53.0	-48.5	-8.1	49.3	189
203.2	187.5	196.4	0.0	1.0	0.625	54.0	-42.3	-18.1	46.1	203.2	0.0	1.0	0.617	54.0	-42.8	-17.5	46.3	202	0.0	1.0	0.477	52.8	-49.9	-6.0	50.3	187	0.0	1.0	0.56	53.5	-45.9	-13.1	47.8	195
217.2	195.0	203.2	0.0	1.0	0.75	55.0	-36.0	-27.4	45.3	217.2	0.0	1.0	0.75	55.0	-35.9	-27.3	45.3	217	0.0	1.0	0.551	53.4	-46.3	-12.3	48.0	195	0.0	1.0	0.626	54.1	-42.3	-18.1	46.1	203
228.3	202.5	210.1	0.0	1.0	0.875	55.8	-30.7	-34.5	46.2	228.3	0.0	1.0	0.867	55.8	-31.0	-34.0	46.1	227	0.0	1.0	0.614	54.0	-42.9	-17.3	46.4	202	0.0	1.0	0.682	54.5	-39.6	-22.6	45.7	209
238.4	210.0	216.9	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	238.4	0.0	1.0	1.0	56.8	-25.4	-41.4	48.7	238	0.0	1.0	0.685	54.5	-39.5	-22.8	45.7	210	0.0	1.0	0.747	55.0	-36.1	-27.2	45.3	216
242.9	217.5	223.8	0.0	0.875	1.0	54.1	-21.1	-41.3	46.4	242.9	0.0	0.883	1.0	54.3	-21.4	-41.3	46.6	242	0.0	1.0	0.747	55.0	-36.1	-27.2	45.3	217	0.0	1.0	0.819	55.5	-33.2	-31.3	45.8	223
249.3	225.0	230.6	0.0	0.75	1.0	50.4	-15.5	-41.1	43.9	249.3	0.0	0.75	1.0	50.4	-15.4	-41.0	44.0	249	0.0	1.0	0.837	55.6	-32.4	-32.4	45.9	225	0.0	1.0	0.904	56.1	-29.6	-36.1	46.8	230
256.9	232.5	237.5	0.0	0.625	1.0	46.5	-9.4	-40.8	41.9	256.9	0.0	0.633	1.0	46.8	-9.8	-40.8	42.1	256	0.0	1.0	0.92	56.2	-28.9	-37.0	47.1	232	0.0	1.0	0.983	56.7	-26.2	-40.5	48.4	237
268.2	240.0	244.3	0.0	0.5	1.0	41.7	-1.2	-40.6	40.6	268.2	0.0	0.5	1.0	41.7	-1.1	-40.6	40.7	268	0.0	0.956	1.0	55.9	-23.9	-41.4	48.0	240	0.0	0.847	1.0	53.3	-19.8	-41.3	45.9	244
278.6	247.5	251.2	0.0	0.375	1.0	37.3	6.1	-40.2	40.7	278.6	0.0	0.383	1.0	37.6	5.6	-40.2	40.7	277	0.0	0.795	1.0	51.8	-17.4	-41.2	44.9	247	0.0	0.726	1.0	49.7	-14.3	-41.1	43.6	250
289.6	255.0	258.0	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289.6	0.0	0.25	1.0	32.9	14.4	-40.1	42.7	289	0.0	0.657	1.0	47.5	-10.9	-40.9	42.5	255	0.0	0.613	1.0	46.1	-8.6	-40.8	41.9	258
299.0	262.5	264.8	0.0	0.125	1.0	28.6	22.4	-40.2	46.1	299.0	0.0	0.133	1.0	28.9	21.9	-40.2	45.9	298	0.0	0.569	1.0	44.4	-5.7	-40.9	41.4	262	0.0	0.542	1.0	43.4	-3.9	-40.8	41.1	264
306.2	270.0	271.7	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2	0.0	0.0	1.0																					

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, 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 $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; 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}			$LAB^*_{ddx64M} (x=LabCh)$						$rgb^*_{dex361M}$			$LAB^*_{dex361M}$						rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3			1.0	0.0	0.255	45.7	72.2	34.4	80.0	25			
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1			1.0	0.021	0.0	46.0	69.6	45.7	83.3	33			
46.8	45.0	42.1	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8			1.0	0.183	0.0	51.1	57.9	52.5	78.1	42			
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9			1.0	0.288	0.0	55.4	48.5	57.8	75.4	49			
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1			1.0	0.398	0.0	60.3	38.3	63.5	74.1	58			
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6			1.0	0.494	0.0	64.6	29.5	68.4	74.5	66			
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2			1.0	0.592	0.0	70.2	19.3	75.2	77.6	75			
92.1	82.5	83.9	1.0	0.875	0.0	83.4	-3.4	90.2	90.2	92.1			1.0	0.703	0.0	75.8	9.4	81.5	82.0	83			
96.1	90.0	92.3	1.0	1.0	0.0	87.8	-10.2	95.4	96.0	96.1			1.0	0.879	0.0	83.6	-3.6	90.4	90.5	92			
98.8	97.5	101.0	0.875	1.0	0.0	84.3	-13.9	89.2	90.3	98.8			0.807	1.0	0.0	82.4	-15.8	86.2	87.7	100			
101.8	105.0	109.7	0.75	1.0	0.0	80.7	-17.5	83.5	85.3	101.8			0.583	1.0	0.0	73.7	-26.1	72.7	77.3	109			
107.6	112.5	118.5	0.625	1.0	0.0	75.3	-24.0	75.7	79.4	107.6			0.434	1.0	0.0	68.0	-32.9	62.2	70.5	117			
114.0	120.0	127.2	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114.0			0.322	1.0	0.0	62.6	-40.8	53.8	67.6	127			
121.4	127.5	136.0	0.375	1.0	0.0	65.7	-35.6	58.3	68.3	121.4			0.249	1.0	0.0	58.4	-47.4	46.8	66.6	135			
135.3	135.0	144.7	0.25	1.0	0.0	58.4	-47.3	46.8	66.6	135.3			0.122	1.0	0.0	54.6	-54.2	38.4	66.5	144			
144.4	142.5	153.4	0.125	1.0	0.0	54.7	-53.9	38.5	66.3	144.4			0.03	1.0	0.0	51.2	-62.4	32.0	70.2	152			
155.5	150.0	162.2	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	155.5			0.0	1.0	0.151	50.7	-62.0	19.9	65.2	162			
160.7	157.5	169.0	0.0	1.0	0.125	50.5	-62.8	21.9	66.5	160.7			0.0	1.0	0.261	51.3	-58.5	11.8	59.8	168			
167.7	165.0	175.9	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167.7			0.0	1.0	0.364	52.0	-55.0	3.9	55.2	175			
176.7	172.5	182.7	0.0	1.0	0.375	52.0	-54.5	3.1	54.6	176.7			0.0	1.0	0.43	52.5	-52.2	-2.0	52.3	182			
189.3	180.0	189.6	0.0	1.0	0.5	52.9	-48.6	-8.0	49.3	189.3			0.0	1.0	0.502	53.0	-48.5	-8.1	49.3	189			
203.2	187.5	196.4	0.0	1.0	0.625	54.0	-42.3	-18.1	46.1	203.2			0.0	1.0	0.56	53.5	-45.9	-13.1	47.8	195			
217.2	195.0	203.2	0.0	1.0	0.75	55.0	-36.0	-27.4	45.3	217.2			0.0	1.0	0.626	54.1	-42.3	-18.1	46.1	203			
228.3	202.5	210.1	0.0	1.0	0.875	55.8	-30.7	-34.5	46.2	228.3			0.0	1.0	0.682	54.5	-39.6	-22.6	45.7	209			
238.4	210.0	216.9	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	238.4			0.0	1.0	0.747	55.0	-36.1	-27.2	45.3	216			
242.9	217.5	223.8	0.0	0.875	1.0	54.1	-21.1	-41.3	46.4	242.9			0.0	1.0	0.819	55.5	-33.2	-31.3	45.8	223			
249.3	225.0	230.6	0.0	0.75	1.0	50.4	-15.5	-41.1	43.9	249.3			0.0	1.0	0.904	56.1	-29.6	-36.1	46.8	230			
256.9	232.5	237.5	0.0	0.625	1.0	46.5	-9.4	-40.8	41.9	256.9			0.0	1.0	0.983	56.7	-26.2	-40.5	48.4	237			
268.2	240.0	244.3	0.0	0.5	1.0	41.7	-1.2	-40.6	40.6	268.2			0.0	0.847	1.0	53.3	-19.8	-41.3	45.9	244			
278.6	247.5	251.2	0.0	0.375	1.0	37.3	6.1	-40.2	40.7	278.6			0.0	0.726	1.0	49.7	-14.3	-41.1	43.6	250			
289.6	255.0	258.0	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289.6			0.0	0.613	1.0	46.1	-8.6	-40.8	41.9	258			
299.0	262.5	264.8	0.0	0.125	1.0	28.6	22.4	-40.2	46.1	299.0			0.0	0.542	1.0	43.4	-3.9	-40.8	41.1	264			
306.2	270.0	271.7	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2			0.0	0.458	1.0	40.3	1.2	-40.6	40.7	271			
314.7	277.5	278.8	0.125	0.0	1.0	27.9	36.0	-36.4	51.2	314.7			0.0	0.378	1.0	37.5	5.9	-40.2	40.7	278			
322.1	285.0	285.9	0.25	0.0	1.0	28.8	41.9	-32.5	53.1	322.1			0.0	0.292	1.0	34.4	11.6	-40.3	42.0	285			
333.3	292.5	293.0	0.375	0.0	1.0	32.7	51.8	-26.0	58.0	333.3			0.0	0.211	1.0	31.5	16.8	-40.3	43.8	292			
340.5	300.0	300.1	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340.5			0.0	0.106	1.0	28.1	23.5	-40.3	46.7	300			
347.9	307.5	307.2	0.625	0.0	1.0	38.1	65.4	-14.0	66.9	347.9			0.009	0.0	1.0	25.3	30.1	-40.1	50.2	306			
352.5	315.0	314.3	0.75	0.0	1.0	41.8	71.0	-9.2	71.6	352.5			0.12	0.0	1.0	27.8	35.8	-36.5	51.2	314			
356.1	322.5	321.4	0.875	0.0	1.0	44.2	75.2	-5.0	75.3	356.1			0.231	0.0	1.0	28.7	41.1	-33.2	52.9	321			
359.8	330.0	328.6	1.0	0.0	1.0	46.1	79.3	-0.2	79.3	359.8			0.322	0.0	1.0	31.1	47.8	-29.1	56.0	328			
363.0	337.5	335.7	1.0	0.0	0.875	45.9	78.2	4.1	78.3	363.0			0.408	0.0	1.0	33.5	53.7	-24.7	59.1	335			
366.4	345.0	342.8	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366.4			0.539	0.0	1.0	36.4	60.8	-18.7	63.7	342			
371.1	352.5	349.9	1.0	0.0	0.625	46.0	75.6	14.8	77.0	371.1			0.667	0.0	1.0	39.3	67.4	-12.4	68.5	349			
375.9	360.0	357.0	1.0	0.0	0.5	45.9	74.2	21.1	77.1	375.9			0.736	0.0	1.0	41.4	70.5	-9.7	71.1	352			
381.2	367.5	364.1	1.0	0.0	0.375	45.8	72.9	28.3	78.3	381.2			0.81	0.0	1.0	46.1	79.3	-0.1	79.3	359			
385.6	375.0	371.2	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385.6			0.687	0.0	1.0	46.0	76.5	11.8	77.4	368			
389.3	382.5	378.3	1.0	0.0	0.125	45.5	71.4	40.1	81.9	389.3			0.485	0.0	1.0	45.9	74.1	22.0	77.3	376			
392.3	390.0	385.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	392.3			1.0	0.0	0.255	45.7	72.2	34.4	80.0	385			

1-103831-L0

QE970-72

LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 9/33

TUB-test chart QE97; hue code: $H^*_d=G50B_d$
48 step hue circles; $rgb-LabCh^*$ tables

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmy0^*_{dd}$

TUB registration: 20130201-QE97/QE97L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, 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: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; 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	$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}(x=LabCh)$					R_s	$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$					$LAB^*_{dex361Mi}(x=LabCh)$					R_e	$rgb^*_{dd361Mi}$			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
32	30	25	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32		1.0	0.0	0.096	45.5	71.4	41.2	82.4	30		1.0	0.0	0.0	1.0	0.0	0.255	45.7	72.2	34.4	80.0	25		1.0	0.0	0.0					
33	31	26	1.0	0.016	0.0	45.9	69.8	45.5	83.4	33		1.0	0.0	0.055	45.5	71.2	42.8	83.1	31		1.0	0.017	0.0	1.0	0.0	0.218	45.6	72.0	36.1	80.6	26		1.0	0.017	0.0					
33	32	27	1.0	0.033	0.0	46.3	68.8	46.1	82.8	33		1.0	0.0	0.013	45.5	71.0	44.4	83.7	32		1.0	0.033	0.0	1.0	0.0	0.18	45.6	71.8	37.7	81.1	27		1.0	0.033	0.0					
34	33	28	1.0	0.05	0.0	46.8	67.7	46.8	82.3	34		1.0	0.015	0.0	45.9	70.0	45.5	83.5	33		1.0	0.05	0.0	1.0	0.0	0.142	45.6	71.6	39.4	81.7	28		1.0	0.05	0.0					
35	34	29	1.0	0.066	0.0	47.3	66.6	47.4	81.8	35		1.0	0.036	0.0	46.5	68.6	46.3	82.8	34		1.0	0.067	0.0	1.0	0.0	0.099	45.5	71.4	41.1	82.4	29		1.0	0.067	0.0					
36	35	31	1.0	0.083	0.0	47.7	65.5	48.0	81.2	36		1.0	0.057	0.0	47.1	67.3	47.1	82.1	35		1.0	0.083	0.0	1.0	0.0	0.053	45.5	71.2	42.9	83.1	31		1.0	0.083	0.0					
36	36	32	1.0	0.1	0.0	48.2	64.4	48.5	80.7	36		1.0	0.079	0.0	47.6	65.9	47.9	81.4	36		1.0	0.1	0.0	1.0	0.0	0.006	45.5	71.0	44.6	83.8	32		1.0	0.1	0.0					
37	37	33	1.0	0.116	0.0	48.6	63.3	49.1	80.2	37		1.0	0.1	0.0	48.2	64.5	48.6	80.7	37		1.0	0.117	0.0	1.0	0.0	0.021	0.0	46.0	69.6	45.7	83.3	33		1.0	0.117	0.0				
38	38	34	1.0	0.133	0.0	49.2	62.1	49.8	79.6	38		1.0	0.121	0.0	48.8	63.1	49.3	80.1	38		1.0	0.133	0.0	1.0	0.0	0.044	0.0	46.7	68.1	46.6	82.5	34		1.0	0.133	0.0				
39	39	35	1.0	0.15	0.0	49.8	60.7	50.7	79.1	39		1.0	0.137	0.0	49.4	61.8	50.1	79.6	39		1.0	0.15	0.0	1.0	0.0	0.068	0.0	47.4	66.6	47.5	81.8	35		1.0	0.15	0.0				
41	40	36	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41		1.0	0.151	0.0	49.9	60.6	50.9	79.1	40		1.0	0.167	0.0	1.0	0.0	0.092	0.0	48.0	65.0	48.3	81.0	36		1.0	0.167	0.0				
42	41	37	1.0	0.183	0.0	51.1	57.8	52.5	78.1	42		1.0	0.166	0.0	50.5	59.4	51.6	78.7	41		1.0	0.183	0.0	1.0	0.0	0.116	0.0	48.7	63.5	49.1	80.2	37		1.0	0.183	0.0				
43	42	38	1.0	0.2	0.0	51.7	56.3	53.3	77.5	43		1.0	0.18	0.0	51.0	58.1	52.3	78.2	42		1.0	0.2	0.0	1.0	0.0	0.135	0.0	49.3	62.0	49.9	79.6	38		1.0	0.2	0.0				
44	43	39	1.0	0.216	0.0	52.4	54.9	54.0	77.0	44		1.0	0.194	0.0	51.6	56.9	53.0	77.8	43		1.0	0.217	0.0	1.0	0.0	0.151	0.0	49.9	60.7	50.8	79.1	39		1.0	0.217	0.0				
45	44	41	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45		1.0	0.209	0.0	52.1	55.6	53.7	77.3	44		1.0	0.233	0.0	1.0	0.0	0.167	0.0	50.5	59.3	51.7	78.6	41		1.0	0.233	0.0				
46	45	42	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46		1.0	0.223	0.0	52.7	54.4	54.4	76.9	45		1.0	0.25	0.0	1.0	0.0	0.183	0.0	51.1	57.9	52.5	78.1	42		1.0	0.25	0.0				
48	46	43	1.0	0.266	0.0	54.4	50.4	56.5	75.7	48		1.0	0.237	0.0	53.2	53.1	55.0	76.4	46		1.0	0.267	0.0	1.0	0.0	0.198	0.0	51.7	56.5	53.2	77.6	43		1.0	0.267	0.0				
49	47	44	1.0	0.283	0.0	55.1	48.9	57.4	75.4	49		1.0	0.251	0.0	53.7	51.8	55.6	76.0	47		1.0	0.283	0.0	1.0	0.0	0.214	0.0	52.3	55.1	54.0	77.1	44		1.0	0.283	0.0				
50	48	45	1.0	0.3	0.0	55.8	47.4	58.4	75.2	50		1.0	0.264	0.0	54.3	50.7	56.3	75.8	48		1.0	0.3	0.0	1.0	0.0	0.23	0.0	52.9	53.7	54.7	76.6	45		1.0	0.3	0.0				
52	49	46	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52		1.0	0.276	0.0	54.8	49.6	57.1	75.6	49		1.0	0.317	0.0	1.0	0.0	0.246	0.0	53.5	52.3	55.4	76.1	46		1.0	0.317	0.0				
53	50	47	1.0	0.333	0.0	57.3	44.2	60.1	74.6	53		1.0	0.288	0.0	55.4	48.5	57.8	75.4	50		1.0	0.333	0.0	1.0	0.0	0.261	0.0	54.2	51.0	56.2	75.9	47		1.0	0.333	0.0				
54	51	48	1.0	0.35	0.0	58.0	42.7	60.9	74.4	54		1.0	0.301	0.0	55.9	47.3	58.5	75.2	51		1.0	0.35	0.0	1.0	0.0	0.274	0.0	54.8	49.8	57.0	75.6	48		1.0	0.35	0.0				
56	52	49	1.0	0.366	0.0	58.8	41.1	61.7	74.1	56		1.0	0.313	0.0	56.5	46.2	59.1	75.0	52		1.0	0.367	0.0	1.0	0.0	0.288	0.0	55.4	48.5	57.8	75.4	49		1.0	0.367	0.0				
57	53	51	1.0	0.383	0.0	59.5	39.5	62.5	74.0	57		1.0	0.326	0.0	57.0	45.0	59.8	74.8	53		1.0	0.383	0.0	1.0	0.0	0.302	0.0	56.0	47.2	58.5	75.2	51		1.0	0.383	0.0				
59	54	52	1.0	0.4	0.0	60.3	38.1	63.5	74.1	59		1.0	0.338	0.0	57.6	43.9	60.4	74.6	54		1.0	0.4	0.0	1.0	0.0	0.316	0.0	56.6	45.9	59.3	75.0	52		1.0	0.4	0.0				
60	55	53	1.0	0.416	0.0	61.0	36.6	64.5	74.1	60		1.0	0.35	0.0	58.1	42.7	61.0	74.4	55		1.0	0.417	0.0	1.0	0.0	0.33	0.0	57.2	44.6	60.0	74.8	53		1.0	0.417	0.0				
61	56	54	1.0	0.433	0.0	61.8	35.1	65.4	74.2	61		1.0	0.363	0.0	58.6	41.5	61.5	74.2	56		1.0	0.433	0.0	1.0	0.0	0.343	0.0	57.8	43.3	60.6	74.5	54		1.0	0.433	0.0				
63	57	55	1.0	0.45	0.0	62.6	33.6	66.2	74.3	63		1.0	0.375	0.0	59.2	40.3	62.1	74.0	57		1.0	0.45	0.0	1.0	0.0	0.357	0.0	58.4	42.0	61.3	74.3	55		1.0	0.45	0.0				
64	58	56	1.0	0.466	0.0	63.3	32.0	67.1	74.4	64		1.0	0.387	0.0	59.8	39.3	62.8	74.1	58		1.0	0.467	0.0	1.0	0.0	0.371	0.0	59.0	40.7	61.9	74.1	56		1.0	0.467	0.0				
65	59	57	1.0	0.483	0.0	64.1	30.5	67.9	74.4	65		1.0	0.4	0.0	60.3	38.2	63.5	74.1	59		1.0	0.483	0.0	1.0	0.0	0.385	0.0	59.6	39.5	62.7	74.1	57		1.0	0.483	0.0				
67	60	58	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67		1.0	0.412	0.0	60.9	37.1	64.2	74.2	60		1.0	0.5	0.0	1.0	0.0	0.398	0.0	60.3	38.3	63.5	74.1	58		1.0	0.5	0.0				
68	61	60	1.0	0.516	0.0	65.8	27.2	69.9	75.0	68		1.0	0.424	0.0	61.4	36.0	64.9	74.2	61		1.0	0.517	0.0	1.0	0.0	0.412	0.0	60.9	37.1	64.2	74.2	60		1.0	0.517	0.0				
70	62	61	1.0	0.533	0.0	66.8	25.5	71.1	75.6	70		1.0	0.436	0.0	62.0	34.9	65.6	74.3	62		1.0	0.533	0.0	1.0	0.0	0.426	0.0	61.5	35.8	65.0	74.2	61		1.0	0.533	0.0				
71	63	62	1.0	0.55	0.0	67.7	23.8	72.3	76.1	71		1.0	0.449	0.0	62.6	33.7	66.2	74.3	63		1.0	0.55	0.0	1.0	0.0	0.439	0.0	62.1	34.6	65.7	74.3	62		1.0	0.55	0.0				
73	64	63	1.0	0.566	0.0	68.7	22.0	73.5	76.7	73		1.0	0.461	0.0	63.1	32.6	66.9	74.4	64		1.0	0.567	0.0	1.0	0.0	0.453	0.0	62.8	33.3	66.4	74.3	63		1.0	0.567	0.0				
74	65	64	1.0	0.583	0.0	69.7	20.2	74.6	77.3	74		1.0	0.473	0.0	63.7	31.5	67.5	74.4	65		1.0	0.583	0.0	1.0	0.0	0.467	0.0	63.4	32.1	67.1	74.4	64		1.0	0.583	0.0				
76	66	65	1.0	0.6	0.0	70.6	18.3	75.6	77.8	76		1.0	0.486	0.0	64.2	30.3	68.0	74.5	66		1.0	0.6	0.0	1.0	0.0	0.48	0.0	64.0	30.8	67.8	74.5	65		1.0	0.6	0.0				
77	67	66	1.0	0.616	0.0	71.6	16.4	76.6	78.4	77		1.0	0.498	0.0	64.8	29.1	68.6	74.5	67		1.0	0.617	0.0	1.0	0.0	0.494	0.0	64.6	29.5	68.4	74.5	66		1.0	0.617	0.0				
79	68	67	1.0	0.633	0.0	72.5	14.8	77.6	79.0	79		1.0	0.509	0.0	65.4	28.0	69.4	74.8	68		1.0	0.633	0.0	1.0</																

1-103931-L0

QE970-72

LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*lw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 10/33

TUB-test chart QE97; hue code: H*d=G50Bd
48 step hue circles; $rgb-LabCh$ *tables

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmy0^*_{dd}$

TUB registration: 20130201-QE97/QE97L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, 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 $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; 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^*_{d361M}	$LAB^*_{ds361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
86	75	75	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86	1.0	0.75	0.0	
87	76	76	1.0	0.766	0.0	78.6	4.3	84.7	84.8	87	1.0	0.767	0.0	
87	77	77	1.0	0.783	0.0	79.4	3.2	85.6	85.7	87	1.0	0.783	0.0	
88	78	78	1.0	0.8	0.0	80.1	2.0	86.5	86.5	88	1.0	0.8	0.0	
89	79	80	1.0	0.816	0.0	80.8	0.8	87.3	87.3	89	1.0	0.817	0.0	
90	80	81	1.0	0.833	0.0	81.6	-0.3	88.2	88.2	90	1.0	0.833	0.0	
91	81	82	1.0	0.85	0.0	82.3	-1.5	89.0	89.0	91	1.0	0.85	0.0	
91	82	83	1.0	0.866	0.0	83.1	-2.8	89.8	89.8	91	1.0	0.867	0.0	
92	83	84	1.0	0.883	0.0	83.7	-3.8	90.5	90.6	92	1.0	0.883	0.0	
92	84	85	1.0	0.9	0.0	84.3	-4.7	91.3	91.4	92	1.0	0.9	0.0	
93	85	86	1.0	0.916	0.0	84.9	-5.6	92.0	92.2	93	1.0	0.917	0.0	
94	86	87	1.0	0.933	0.0	85.5	-6.5	92.7	92.9	94	1.0	0.933	0.0	
94	87	88	1.0	0.95	0.0	86.0	-7.4	93.4	93.7	94	1.0	0.95	0.0	
95	88	90	1.0	0.966	0.0	86.6	-8.3	94.1	94.5	95	1.0	0.967	0.0	
95	89	91	1.0	0.983	0.0	87.2	-9.2	94.8	95.2	95	1.0	0.983	0.0	
96	90	92	1.0	1.0	0.0	87.8	-10.2	95.4	96.0	96	1.0	1.0	0.0	
96	91	93	0.983	1.0	0.0	87.3	-10.7	94.6	95.2	96	1.0	0.983	1.0	0.0
96	92	94	0.966	1.0	0.0	86.8	-11.2	93.8	94.5	96	1.0	0.967	1.0	0.0
97	93	95	0.95	1.0	0.0	86.4	-11.7	93.0	93.7	97	1.0	0.95	1.0	0.0
97	94	96	0.933	1.0	0.0	85.9	-12.2	92.2	93.0	97	1.0	0.933	1.0	0.0
97	95	98	0.916	1.0	0.0	85.5	-12.7	91.3	92.2	97	1.0	0.917	1.0	0.0
98	96	99	0.9	1.0	0.0	85.0	-13.2	90.5	91.5	98	1.0	0.9	1.0	0.0
98	97	100	0.883	1.0	0.0	84.5	-13.6	89.7	90.7	98	1.0	0.883	1.0	0.0
99	98	101	0.866	1.0	0.0	84.1	-14.1	88.9	90.0	99	1.0	0.867	1.0	0.0
99	99	102	0.85	1.0	0.0	83.6	-14.6	88.1	89.3	99	1.0	0.85	1.0	0.0
99	100	103	0.833	1.0	0.0	83.1	-15.1	87.4	88.7	99	1.0	0.833	1.0	0.0
100	101	105	0.816	1.0	0.0	82.6	-15.6	86.6	88.0	100	1.0	0.817	1.0	0.0
100	102	106	0.8	1.0	0.0	82.2	-16.1	85.8	87.3	100	1.0	0.8	1.0	0.0
101	103	107	0.783	1.0	0.0	81.7	-16.6	85.1	86.7	101	1.0	0.783	1.0	0.0
101	104	108	0.766	1.0	0.0	81.2	-17.0	84.3	86.0	101	1.0	0.767	1.0	0.0
101	105	109	0.75	1.0	0.0	80.7	-17.5	83.5	85.3	101	1.0	0.75	1.0	0.0
102	106	110	0.733	1.0	0.0	80.0	-18.4	82.5	84.6	102	1.0	0.733	1.0	0.0
103	107	112	0.716	1.0	0.0	79.3	-19.3	81.5	83.8	103	1.0	0.717	1.0	0.0
104	108	113	0.7	1.0	0.0	78.5	-20.2	80.5	83.0	104	1.0	0.7	1.0	0.0
104	109	114	0.683	1.0	0.0	77.8	-21.1	79.4	82.2	104	1.0	0.683	1.0	0.0
105	110	115	0.666	1.0	0.0	77.1	-22.0	78.4	81.4	105	1.0	0.667	1.0	0.0
106	111	116	0.65	1.0	0.0	76.4	-22.8	77.3	80.6	106	1.0	0.65	1.0	0.0
107	112	117	0.633	1.0	0.0	75.6	-23.6	76.2	79.8	107	1.0	0.633	1.0	0.0
108	113	119	0.616	1.0	0.0	75.0	-24.4	75.1	79.0	108	1.0	0.617	1.0	0.0
108	114	120	0.6	1.0	0.0	74.3	-25.3	73.9	78.1	108	1.0	0.6	1.0	0.0
109	115	121	0.583	1.0	0.0	73.7	-26.1	72.7	77.2	109	1.0	0.583	1.0	0.0
110	116	122	0.566	1.0	0.0	73.1	-26.9	71.4	76.3	110	1.0	0.567	1.0	0.0
111	117	123	0.55	1.0	0.0	72.4	-27.6	70.2	75.5	111	1.0	0.55	1.0	0.0
112	118	124	0.533	1.0	0.0	71.8	-28.3	69.0	74.6	112	1.0	0.533	1.0	0.0
113	119	126	0.516	1.0	0.0	71.2	-29.0	67.7	73.7	113	1.0	0.517	1.0	0.0
114	120	127	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114	1.0	0.5	1.0	0.0

1-1031031-L0 QE970-72 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 11/33

TUB-test chart QE97; hue code: $H^*_d = G50B_d$
48 step hue circles; $rgb-LabCh^*$ tables

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmy0^*_{dd}$

TUB registration: 20130201-QE97/QE97L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, 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 $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{dd361Mi}(x=LabCh)$			$rgb^*_{ds361Mi}$			$LAB^*_{ds361Mi}(x=LabCh)$			$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}(x=LabCh)$			$rgb^*_{dd361Mi}$			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}					
114	120	127	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114	0.399	1.0	0.0	66.7	-34.5	59.9	69.2	120	0.5	1.0	0.0	0.322	1.0	0.0	62.6	-40.8	53.8	67.6	127	0.5	1.0	0.0			
115	121	128	0.483	1.0	0.0	69.9	-30.5	65.4	72.2	115	0.382	1.0	0.0	66.0	-35.2	58.8	68.6	121	0.483	1.0	0.0	0.312	1.0	0.0	62.0	-41.8	52.9	67.5	128	0.483	1.0	0.0			
116	122	129	0.466	1.0	0.0	69.3	-31.4	64.3	71.6	116	0.37	1.0	0.0	65.4	-36.1	57.9	68.3	122	0.467	1.0	0.0	0.301	1.0	0.0	61.4	-42.8	51.9	67.3	129	0.467	1.0	0.0			
117	123	130	0.45	1.0	0.0	68.6	-32.2	63.2	71.0	117	0.361	1.0	0.0	64.9	-37.0	57.1	68.1	123	0.45	1.0	0.0	0.291	1.0	0.0	60.8	-43.8	50.9	67.2	130	0.45	1.0	0.0			
117	124	131	0.433	1.0	0.0	68.0	-33.0	62.1	70.4	117	0.352	1.0	0.0	64.4	-37.9	56.4	68.0	124	0.433	1.0	0.0	0.28	1.0	0.0	60.2	-44.7	49.9	67.0	131	0.433	1.0	0.0			
118	125	133	0.416	1.0	0.0	67.3	-33.8	61.0	69.8	118	0.343	1.0	0.0	63.8	-38.8	55.6	67.9	125	0.417	1.0	0.0	0.27	1.0	0.0	59.6	-45.6	48.9	66.9	133	0.417	1.0	0.0			
119	126	134	0.4	1.0	0.0	66.7	-34.5	59.9	69.2	119	0.334	1.0	0.0	63.3	-39.7	54.8	67.8	126	0.4	1.0	0.0	0.259	1.0	0.0	59.0	-46.5	47.8	66.8	134	0.4	1.0	0.0			
120	127	135	0.383	1.0	0.0	66.0	-35.2	58.8	68.6	120	0.325	1.0	0.0	62.8	-40.6	54.0	67.6	127	0.383	1.0	0.0	0.249	1.0	0.0	58.4	-47.4	46.8	66.6	135	0.383	1.0	0.0			
122	128	136	0.366	1.0	0.0	65.2	-36.4	57.6	68.2	122	0.316	1.0	0.0	62.3	-41.5	53.2	67.5	128	0.367	1.0	0.0	0.233	1.0	0.0	57.9	-48.3	45.8	66.6	136	0.367	1.0	0.0			
124	129	137	0.35	1.0	0.0	64.2	-38.2	56.2	67.9	124	0.307	1.0	0.0	61.7	-42.3	52.4	67.4	129	0.35	1.0	0.0	0.217	1.0	0.0	57.4	-49.2	44.7	66.6	137	0.35	1.0	0.0			
126	130	138	0.333	1.0	0.0	63.2	-39.8	54.7	67.7	126	0.298	1.0	0.0	61.2	-43.1	51.5	67.3	130	0.333	1.0	0.0	0.201	1.0	0.0	57.0	-50.0	43.7	66.5	138	0.333	1.0	0.0			
127	131	140	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127	0.289	1.0	0.0	60.7	-44.0	50.7	67.2	131	0.317	1.0	0.0	0.185	1.0	0.0	56.5	-50.9	42.7	66.5	140	0.317	1.0	0.0			
129	132	141	0.3	1.0	0.0	61.3	-43.0	51.7	67.3	129	0.28	1.0	0.0	60.2	-44.8	49.8	67.0	132	0.3	1.0	0.0	0.169	1.0	0.0	56.0	-51.7	41.6	66.5	141	0.3	1.0	0.0			
131	133	142	0.283	1.0	0.0	60.3	-44.5	50.1	67.0	131	0.271	1.0	0.0	59.6	-45.5	48.9	66.9	133	0.283	1.0	0.0	0.153	1.0	0.0	55.5	-52.5	40.5	66.4	142	0.283	1.0	0.0			
133	134	143	0.266	1.0	0.0	59.3	-45.9	48.5	66.8	133	0.262	1.0	0.0	59.1	-46.3	48.0	66.8	134	0.267	1.0	0.0	0.137	1.0	0.0	55.1	-53.3	39.4	66.4	143	0.267	1.0	0.0			
135	135	144	0.25	1.0	0.0	58.4	-47.3	46.8	66.6	135	0.253	1.0	0.0	58.6	-47.0	47.1	66.7	135	0.25	1.0	0.0	0.122	1.0	0.0	54.6	-54.2	38.4	66.5	144	0.25	1.0	0.0			
136	136	145	0.233	1.0	0.0	57.9	-48.3	45.8	66.5	136	0.241	1.0	0.0	58.1	-47.8	46.3	66.6	136	0.233	1.0	0.0	0.108	1.0	0.0	54.1	-55.4	37.6	67.0	145	0.233	1.0	0.0			
137	137	147	0.216	1.0	0.0	57.4	-49.2	44.7	66.5	137	0.227	1.0	0.0	57.7	-48.6	45.4	66.6	137	0.217	1.0	0.0	0.095	1.0	0.0	53.6	-56.6	36.7	67.6	147	0.217	1.0	0.0			
138	138	148	0.2	1.0	0.0	56.9	-50.1	43.6	66.5	138	0.213	1.0	0.0	57.3	-49.4	44.5	66.6	138	0.2	1.0	0.0	0.082	1.0	0.0	53.1	-57.8	35.8	68.1	148	0.2	1.0	0.0			
140	139	149	0.183	1.0	0.0	56.4	-51.0	42.5	66.4	140	0.2	1.0	0.0	56.9	-50.1	43.6	66.5	139	0.183	1.0	0.0	0.069	1.0	0.0	52.6	-59.0	34.9	68.6	149	0.183	1.0	0.0			
141	140	150	0.166	1.0	0.0	55.9	-51.9	41.4	66.4	141	0.186	1.0	0.0	56.5	-50.8	42.7	66.5	140	0.167	1.0	0.0	0.056	1.0	0.0	52.1	-60.1	34.0	69.2	150	0.167	1.0	0.0			
142	141	151	0.15	1.0	0.0	55.4	-52.7	40.3	66.4	142	0.172	1.0	0.0	56.1	-51.6	41.8	66.5	141	0.15	1.0	0.0	0.043	1.0	0.0	51.7	-61.3	33.0	69.7	151	0.15	1.0	0.0			
143	142	152	0.133	1.0	0.0	54.9	-53.5	39.1	66.3	143	0.159	1.0	0.0	55.7	-52.3	40.9	66.4	142	0.133	1.0	0.0	0.03	1.0	0.0	51.2	-62.4	32.0	70.2	152	0.133	1.0	0.0			
145	143	154	0.116	1.0	0.0	54.4	-54.7	38.0	66.6	145	0.145	1.0	0.0	55.3	-52.9	40.0	66.4	143	0.117	1.0	0.0	0.016	1.0	0.0	50.7	-63.5	30.9	70.8	154	0.117	1.0	0.0			
146	144	155	0.1	1.0	0.0	53.7	-56.2	37.0	67.3	146	0.131	1.0	0.0	54.9	-53.6	39.0	66.4	144	0.1	1.0	0.0	0.003	1.0	0.0	50.2	-64.6	29.9	71.3	155	0.1	1.0	0.0			
148	145	156	0.083	1.0	0.0	53.1	-57.7	35.9	68.0	148	0.119	1.0	0.0	54.5	-54.5	38.2	66.6	145	0.083	1.0	0.0	0.0	1.0	0.021	50.1	-64.6	28.3	70.6	156	0.083	1.0	0.0			
149	146	157	0.066	1.0	0.0	52.5	-59.2	34.7	68.7	149	0.107	1.0	0.0	54.1	-55.5	37.5	67.1	146	0.067	1.0	0.0	0.0	1.0	0.049	50.3	-64.2	26.5	69.5	157	0.067	1.0	0.0			
151	147	158	0.049	1.0	0.0	51.9	-60.7	33.5	69.4	151	0.096	1.0	0.0	53.7	-56.5	36.8	67.5	147	0.05	1.0	0.0	0.0	1.0	0.077	50.4	-63.7	24.8	68.4	158	0.05	1.0	0.0			
152	148	159	0.033	1.0	0.0	51.3	-62.2	32.2	70.0	152	0.085	1.0	0.0	53.2	-57.6	36.0	68.0	148	0.033	1.0	0.0	0.0	1.0	0.104	50.5	-63.1	23.1	67.3	159	0.033	1.0	0.0			
154	149	161	0.016	1.0	0.0	50.6	-63.6	30.9	70.7	154	0.074	1.0	0.0	52.8	-58.6	35.3	68.4	149	0.017	1.0	0.0	0.0	1.0	0.13	50.6	-62.6	21.5	66.3	161	0.017	1.0	0.0			
155	150	162	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	155	G_d 0.062	1.0	0.0	52.4	-59.6	34.5	68.9	150	G_s 0.0	1.0	0.0	0.0	1.0	0.151	50.7	-62.0	19.9	65.2	162	G_e 0.0	1.0	0.0			
156	151	163	0.0	1.0	0.016	50.1	-64.7	28.5	70.7	156	0.051	1.0	0.0	52.0	-60.6	33.6	69.4	151	0.0	1.0	0.017	0.0	1.0	0.167	50.8	-61.6	18.7	64.4	163	0.0	1.0	0.017			
156	152	164	0.0	1.0	0.033	50.1	-64.5	27.4	70.1	156	0.04	1.0	0.0	51.5	-61.6	32.8	69.8	152	0.0	1.0	0.033	0.0	1.0	0.183	50.9	-61.1	17.5	63.6	164	0.0	1.0	0.033			
157	153	164	0.0	1.0	0.05	50.2	-64.2	26.4	69																										

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, 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: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; 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}	$LAB^*_{dsx361Mi}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
167	165	175	0.0	1.0	0.25	51.2	-58.9 12.7	60.3	167	0.0	1.0	0.25	51.2	-58.9 12.7
168	166	176	0.0	1.0	0.266	51.3	-58.4 11.3	59.5	168	0.0	1.0	0.267	51.3	-58.4 11.3
170	167	177	0.0	1.0	0.283	51.4	-57.9 10.0	58.8	170	0.0	1.0	0.283	51.4	-57.9 10.0
171	168	178	0.0	1.0	0.3	51.5	-57.3 8.7	58.0	171	0.0	1.0	0.3	51.5	-57.3 8.7
172	169	179	0.0	1.0	0.316	51.6	-56.8 7.4	57.3	172	0.0	1.0	0.317	51.6	-56.8 7.4
173	170	180	0.0	1.0	0.333	51.7	-56.2 6.1	56.5	173	0.0	1.0	0.333	51.7	-56.2 6.1
174	171	181	0.0	1.0	0.35	51.8	-55.5 4.9	55.8	174	0.0	1.0	0.35	51.8	-55.5 4.9
176	172	182	0.0	1.0	0.366	51.9	-54.9 3.7	55.0	176	0.0	1.0	0.367	51.9	-54.9 3.7
177	173	183	0.0	1.0	0.383	52.0	-54.2 2.3	54.3	177	0.0	1.0	0.383	52.0	-54.2 2.3
179	174	184	0.0	1.0	0.4	52.2	-53.6 0.7	53.6	179	0.0	1.0	0.4	52.2	-53.6 0.7
180	175	185	0.0	1.0	0.416	52.3	-52.8 -0.8	52.9	180	0.0	1.0	0.417	52.3	-52.8 -0.8
182	176	185	0.0	1.0	0.433	52.4	-52.1 -2.3	52.1	182	0.0	1.0	0.433	52.4	-52.1 -2.3
184	177	186	0.0	1.0	0.45	52.6	-51.3 -3.8	51.4	184	0.0	1.0	0.45	52.6	-51.3 -3.8
185	178	187	0.0	1.0	0.466	52.7	-50.4 -5.3	50.7	185	0.0	1.0	0.467	52.7	-50.4 -5.3
187	179	188	0.0	1.0	0.483	52.8	-49.6 -6.6	50.0	187	0.0	1.0	0.483	52.8	-49.6 -6.6
189	180	189	0.0	1.0	0.5	52.9	-48.6 -8.0	49.3	189	0.0	1.0	0.5	52.9	-48.6 -8.0
191	181	190	0.0	1.0	0.516	53.1	-47.9 -9.5	48.9	191	0.0	1.0	0.517	53.1	-47.9 -9.5
193	182	191	0.0	1.0	0.533	53.2	-47.2 -10.9	48.4	193	0.0	1.0	0.533	53.2	-47.2 -10.9
194	183	192	0.0	1.0	0.55	53.4	-46.4 -12.3	48.0	194	0.0	1.0	0.55	53.4	-46.4 -12.3
196	184	193	0.0	1.0	0.566	53.5	-45.6 -13.7	47.6	196	0.0	1.0	0.567	53.5	-45.6 -13.7
198	185	194	0.0	1.0	0.583	53.6	-44.7 -15.0	47.1	198	0.0	1.0	0.583	53.6	-44.7 -15.0
200	186	195	0.0	1.0	0.6	53.8	-43.8 -16.3	46.7	200	0.0	1.0	0.6	53.8	-43.8 -16.3
202	187	195	0.0	1.0	0.616	53.9	-42.8 -17.5	46.3	202	0.0	1.0	0.617	53.9	-42.8 -17.5
204	188	196	0.0	1.0	0.633	54.1	-42.0 -18.8	46.0	204	0.0	1.0	0.633	54.1	-42.0 -18.8
206	189	197	0.0	1.0	0.65	54.2	-41.2 -20.1	45.9	206	0.0	1.0	0.65	54.2	-41.2 -20.1
207	190	198	0.0	1.0	0.666	54.3	-40.5 -21.4	45.8	207	0.0	1.0	0.667	54.3	-40.5 -21.4
209	191	199	0.0	1.0	0.683	54.5	-39.7 -22.7	45.7	209	0.0	1.0	0.683	54.5	-39.7 -22.7
211	192	200	0.0	1.0	0.7	54.6	-38.8 -23.9	45.6	211	0.0	1.0	0.7	54.6	-38.8 -23.9
213	193	201	0.0	1.0	0.716	54.7	-37.9 -25.1	45.5	213	0.0	1.0	0.717	54.7	-37.9 -25.1
215	194	202	0.0	1.0	0.733	54.9	-37.0 -26.3	45.4	215	0.0	1.0	0.733	54.9	-37.0 -26.3
217	195	203	0.0	1.0	0.75	55.0	-36.0 -27.4	45.3	217	0.0	1.0	0.75	55.0	-36.0 -27.4
218	196	204	0.0	1.0	0.766	55.1	-35.4 -28.4	45.4	218	0.0	1.0	0.767	55.1	-35.4 -28.4
220	197	205	0.0	1.0	0.783	55.2	-34.7 -29.4	45.5	220	0.0	1.0	0.783	55.2	-34.7 -29.4
221	198	206	0.0	1.0	0.8	55.3	-34.0 -30.3	45.6	221	0.0	1.0	0.8	55.3	-34.0 -30.3
223	199	206	0.0	1.0	0.816	55.4	-33.3 -31.3	45.7	223	0.0	1.0	0.817	55.4	-33.3 -31.3
224	200	207	0.0	1.0	0.833	55.6	-32.6 -32.2	45.9	224	0.0	1.0	0.833	55.6	-32.6 -32.2
226	201	208	0.0	1.0	0.85	55.7	-31.8 -33.1	46.0	226	0.0	1.0	0.85	55.7	-31.8 -33.1
227	202	209	0.0	1.0	0.866	55.8	-31.1 -34.0	46.1	227	0.0	1.0	0.867	55.8	-31.1 -34.0
229	203	210	0.0	1.0	0.883	55.9	-30.4 -35.0	46.3	229	0.0	1.0	0.883	55.9	-30.4 -35.0
230	204	211	0.0	1.0	0.9	56.0	-29.7 -35.9	46.7	230	0.0	1.0	0.9	56.0	-29.7 -35.9
231	205	212	0.0	1.0	0.916	56.1	-29.1 -36.9	47.0	231	0.0	1.0	0.917	56.1	-29.1 -36.9
233	206	213	0.0	1.0	0.933	56.3	-28.4 -37.8	47.3	233	0.0	1.0	0.933	56.3	-28.4 -37.8
234	207	214	0.0	1.0	0.95	56.4	-27.7 -38.8	47.7	234	0.0	1.0	0.95	56.4	-27.7 -38.8
235	208	215	0.0	1.0	0.966	56.5	-27.0 -39.7	48.0	235	0.0	1.0	0.967	56.5	-27.0 -39.7
237	209	216	0.0	1.0	0.983	56.6	-26.2 -40.6	48.3	237	0.0	1.0	0.983	56.6	-26.2 -40.6
238	210	216	0.0	1.0	1.0	56.8	-25.5 -41.5	48.7	238	0.0	1.0	1.0	56.8	-25.5 -41.5

1-1031231-L0 QE970-72 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 13/33

TUB-test chart QE97; hue code: H*d=G50Bd
48 step hue circles; $rgb-LabCh$ *tables

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmy0^*_{dd}$

TUB registration: 20130201-QE97/QE97L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, 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 $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Lab,d	h _{ab,s}	h _{ab,e}	rgb* _{dd361M}			LAB* _{ddx361Mi} (x=LabCh)				C _d	rgb* _{ds361Mi}			LAB* _{dsx361Mi} (x=LabCh)				C _s	rgb* _{dd361Mi}			rgb* _{de361Mi}				LAB* _{dex361Mi} (x=LabCh)				C _e	rgb* _{dd361Mi}			rgb* _{da}	rgb* _{ds}	rgb* _{de}		
238	210	216	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	238	C _d	0.0	1.0	0.685	54.5	-39.5	-22.8	45.7	210	C _s	0.0	1.0	1.0	0.0	1.0	0.747	55.0	-36.1	-27.2	45.3	216	C _e	0.0	1.0	1.0			
239	211	217	0.0	0.983	1.0	56.4	-24.9	-41.5	48.4	239		0.0	1.0	0.694	54.6	-39.0	-23.4	45.7	211		0.0	0.983	1.0	0.0	1.0	0.757	55.1	-35.7	-27.8	45.4	217		0.0	0.983	1.0			
239	212	218	0.0	0.966	1.0	56.1	-24.3	-41.5	48.1	239		0.0	1.0	0.703	54.7	-38.6	-24.1	45.6	212		0.0	0.967	1.0	0.0	1.0	0.767	55.2	-35.3	-28.4	45.4	218		0.0	0.967	1.0			
240	213	219	0.0	0.95	1.0	55.7	-23.7	-41.5	47.8	240		0.0	1.0	0.712	54.7	-38.1	-24.7	45.6	213		0.0	0.95	1.0	0.0	1.0	0.778	55.2	-34.9	-29.0	45.5	219		0.0	0.95	1.0			
240	214	220	0.0	0.933	1.0	55.4	-23.1	-41.5	47.5	240		0.0	1.0	0.721	54.8	-37.6	-25.3	45.5	214		0.0	0.933	1.0	0.0	1.0	0.788	55.3	-34.5	-29.6	45.6	220		0.0	0.933	1.0			
241	215	221	0.0	0.916	1.0	55.0	-22.5	-41.4	47.2	241		0.0	1.0	0.73	54.9	-37.1	-26.0	45.4	215		0.0	0.917	1.0	0.0	1.0	0.798	55.4	-34.1	-30.2	45.7	221		0.0	0.917	1.0			
242	216	222	0.0	0.9	1.0	54.6	-22.0	-41.4	46.9	242		0.0	1.0	0.739	55.0	-36.6	-26.6	45.4	216		0.0	0.9	1.0	0.0	1.0	0.808	55.4	-33.6	-30.8	45.7	222		0.0	0.9	1.0			
242	217	223	0.0	0.883	1.0	54.3	-21.4	-41.4	46.6	242		0.0	1.0	0.747	55.0	-36.1	-27.2	45.3	217		0.0	0.883	1.0	0.0	1.0	0.819	55.5	-33.2	-31.3	45.8	223		0.0	0.883	1.0			
243	218	224	0.0	0.866	1.0	53.9	-20.7	-41.3	46.3	243		0.0	1.0	0.758	55.1	-35.6	-27.8	45.4	218		0.0	0.867	1.0	0.0	1.0	0.829	55.6	-32.7	-31.9	45.9	224		0.0	0.867	1.0			
244	219	225	0.0	0.85	1.0	53.4	-20.0	-41.3	45.9	244		0.0	1.0	0.769	55.2	-35.2	-28.5	45.4	219		0.0	0.85	1.0	0.0	1.0	0.839	55.6	-32.3	-32.5	45.9	225		0.0	0.85	1.0			
245	220	226	0.0	0.833	1.0	52.9	-19.2	-41.3	45.6	245		0.0	1.0	0.781	55.3	-34.8	-29.2	45.5	220		0.0	0.833	1.0	0.0	1.0	0.85	55.7	-31.8	-33.1	46.0	226		0.0	0.833	1.0			
245	221	227	0.0	0.816	1.0	52.4	-18.5	-41.3	45.3	245		0.0	1.0	0.792	55.3	-34.3	-29.8	45.6	221		0.0	0.817	1.0	0.0	1.0	0.86	55.8	-31.3	-33.6	46.1	227		0.0	0.817	1.0			
246	222	227	0.0	0.8	1.0	51.9	-17.7	-41.3	44.9	246		0.0	1.0	0.803	55.4	-33.9	-30.5	45.7	222		0.0	0.8	1.0	0.0	1.0	0.87	55.8	-30.8	-34.2	46.2	227		0.0	0.8	1.0			
247	223	228	0.0	0.783	1.0	51.4	-17.0	-41.2	44.6	247		0.0	1.0	0.815	55.5	-33.4	-31.1	45.8	223		0.0	0.783	1.0	0.0	1.0	0.881	55.9	-30.4	-34.8	46.3	228		0.0	0.783	1.0			
248	224	229	0.0	0.766	1.0	50.9	-16.2	-41.2	44.2	248		0.0	1.0	0.826	55.6	-32.9	-31.7	45.8	224		0.0	0.767	1.0	0.0	1.0	0.893	56.0	-30.0	-35.4	46.6	229		0.0	0.767	1.0			
249	225	230	0.0	0.75	1.0	50.4	-15.5	-41.1	43.9	249		0.0	1.0	0.837	55.6	-32.4	-32.4	45.9	225		0.0	0.75	1.0	0.0	1.0	0.904	56.1	-29.6	-36.1	46.8	230		0.0	0.75	1.0			
250	226	231	0.0	0.733	1.0	49.9	-14.7	-41.1	43.6	250		0.0	1.0	0.849	55.7	-31.9	-33.0	46.0	226		0.0	0.733	1.0	0.0	1.0	0.915	56.2	-29.1	-36.7	47.0	231		0.0	0.733	1.0			
251	227	232	0.0	0.716	1.0	49.4	-13.8	-41.1	43.4	251		0.0	1.0	0.86	55.8	-31.3	-33.6	46.1	227		0.0	0.717	1.0	0.0	1.0	0.926	56.3	-28.7	-37.4	47.2	232		0.0	0.717	1.0			
252	228	233	0.0	0.7	1.0	48.8	-13.0	-41.1	43.1	252		0.0	1.0	0.871	55.9	-30.8	-34.2	46.2	228		0.0	0.7	1.0	0.0	1.0	0.938	56.3	-28.2	-38.0	47.5	233		0.0	0.7	1.0			
253	229	234	0.0	0.683	1.0	48.3	-12.2	-41.1	42.9	253		0.0	1.0	0.883	55.9	-30.3	-34.9	46.4	229		0.0	0.683	1.0	0.0	1.0	0.949	56.4	-27.7	-38.6	47.7	234		0.0	0.683	1.0			
254	230	235	0.0	0.666	1.0	47.8	-11.4	-41.0	42.6	254		0.0	1.0	0.896	56.0	-29.9	-35.6	46.6	230		0.0	0.667	1.0	0.0	1.0	0.96	56.5	-27.2	-39.3	47.9	235		0.0	0.667	1.0			
255	231	236	0.0	0.65	1.0	47.3	-10.6	-41.0	42.3	255		0.0	1.0	0.908	56.1	-29.4	-36.3	46.9	231		0.0	0.65	1.0	0.0	1.0	0.972	56.6	-26.7	-39.9	48.2	236		0.0	0.65	1.0			
256	232	237	0.0	0.633	1.0	46.8	-9.8	-40.9	42.1	256		0.0	1.0	0.92	56.2	-28.9	-37.0	47.1	232		0.0	0.633	1.0	0.0	1.0	0.983	56.7	-26.2	-40.5	48.4	237		0.0	0.633	1.0			
257	233	237	0.0	0.616	1.0	46.2	-8.9	-40.9	41.8	257		0.0	1.0	0.933	56.3	-28.4	-37.7	47.4	233		0.0	0.617	1.0	0.0	1.0	0.994	56.8	-25.7	-41.1	48.6	237		0.0	0.617	1.0			
259	234	238	0.0	0.6	1.0	45.5	-7.8	-40.9	41.7	259		0.0	1.0	0.945	56.4	-27.9	-38.4	47.6	234		0.0	0.6	1.0	0.0	0.988	1.0	56.6	-25.0	-41.4	48.5	238		0.0	0.6	1.0			
260	235	239	0.0	0.583	1.0	44.9	-6.6	-41.0	41.5	260		0.0	1.0	0.957	56.5	-27.4	-39.1	47.9	235		0.0	0.583	1.0	0.0	0.962	1.0	56.0	-24.1	-41.4	48.1	239		0.0	0.583	1.0			
262	236	240	0.0	0.566	1.0	44.2	-5.5	-40.9	41.3	262		0.0	1.0	0.97	56.6	-26.8	-39.8	48.1	236		0.0	0.567	1.0	0.0	0.937	1.0	55.5	-23.2	-41.4	47.6	240		0.0	0.567	1.0			
263	237	241	0.0	0.55	1.0	43.6	-4.4	-40.9	41.1	263		0.0	1.0	0.982	56.7	-26.2	-40.5	48.4	237		0.0	0.55	1.0	0.0	0.911	1.0	54.9	-22.3	-41.4	47.1	241		0.0	0.55	1.0			
265	238	242	0.0	0.533	1.0	43.0	-3.3	-40.8	41.0	265		0.0	1.0	0.994	56.8	-25.7	-41.1	48.6	238		0.0	0.533	1.0	0.0	0.885	1.0	54.4	-21.4	-41.3	46.7	242		0.0	0.533	1.0			
266	239	243	0.0	0.516	1.0	42.3	-2.3	-40.7	40.8	266		0.0	0.985	1.0	56.5	-24.9	-41.4	48.5	239		0.0	0.517	1.0	0.0	0.864	1.0	53.9	-20.6	-41.3	46.3	243		0.0	0.517	1.0			
268	240	244	0.0	0.5	1.0	41.7	-1.2	-40.6	40.6	268		0.0	0.956	1.0	55.9	-23.9	-41.4	48.0	240		0.0	0.5	1.0	0.0	0.847	1.0	53.3	-19.8	-41.3	45.9	244		0.0	0.5	1.0			
269	241	245	0.0	0.483	1.0	41.1	-0.2	-40.6	40.6	269		0.0	0.928	1.0	55.3	-22.9	-41.4	47.4	241		0.0	0.483	1.0	0.0	0.829	1.0	52.8	-19.0	-41.3	45.6	245		0.0	0.483	1.0			
271	242	246	0.0	0.466	1.0	40.5	0.7	-40.6	40.6	271		0.0	0.9	1.0	54.7	-21.9	-41.3	46.9	242		0.0	0.467	1.0	0.0	0.811	1.0	52.3	-18.1	-41.2	45.2	246		0.0	0.467	1.0			
272	243	247	0.0	0.45	1.0	39.9	1.7	-40.6	40.6	272		0.0	0.873	1.0	54.1	-21.0	-41.3	46.4	243		0.0	0.45	1.0	0.0	0.793	1.0	51.7	-17.3	-41.2	44.8	247		0.0	0.45	1.0			
273	244	248	0.0	0.433	1.0	39.3	2.7	-40.6	40.6	273		0.0	0.854	1.0	53.5	-20.1	-41.3	46.1	244		0.0	0.433	1.0	0.0	0.775	1.0	51.2	-16.6	-41.1	44.5	248		0.0	0.433	1.0			
275	245	248	0.0	0.416	1.0	38.8	3.6	-40.5	40.6	275		0.0	0.834	1.0	53.0	-19.2	-41.3	45.7	245		0.0	0.417	1.0	0.0	0.757	1.0	50.7	-15.8	-41.1	44.1	248		0.0	0.417	1.0			
276	246	249	0.0	0.4	1.0	38.2	4.6	-40.4	40.7	276		0.0	0.815	1.0	52.4	-18.3	-41.3	45.3	246		0.0	0.4	1.0	0.0	0.741	1.0	50.2	-15.0	-41.0	43.8	249		0.0	0.4	1.0			
277	247	250	0.0	0.383	1.0	37.6	5.6	-40.3	40.7	277		0.0	0.795	1.0	51.8	-17.4	-41.2	44.9	247		0.0	0.383	1.0	0.0	0.726	1.0	49.7	-14.3	-41.1	43.6	250		0.0	0.383	1.0			
279	248	251	0.0	0.366	1.0	37.0	6.6	-40.2	40.8	279		0.0	0.775	1.0	51.2	-16.6	-41.1	44.5	248		0.0	0.367	1.0	0.0	0.711	1.0	49.2</											

1-1031331-L0 QE970-72 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 14/33

TUB-test chart QE97; hue code: $H^*_d = G50B_d$
48 step hue circles; $rgb-LabCh$ *tables

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmy0^*_{dd}$

TUB registration: 20130201-QE97/QE97L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

Output: Offset standard print; separation cmy0*, D65, page 15/33

1-1031431-FC

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, 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 $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; 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^*_{d361Mi} (x=LabCh)							$rgb^*_{ds361Mi}$							$LAB^*_{dsx361Mi}$ (x=LabCh)							$rgb^*_{dd361Mi}$							$rgb^*_{de361Mi}$							$LAB^*_{dex361Mi}$ (x=LabCh)							$rgb^*_{dd361Mi}$							rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
340	300	300	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340	0.0	0.109	1.0	28.2	23.3	-40.3	46.6	300	0.5	0.0	1.0	0.0	0.106	1.0	28.1	23.5	-40.3	46.7	300	0.5	0.0	1.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			</

1-1031531-L0 QE970-72 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 16/33

TUB-test chart QE97; hue code: $H^*_d = G50B_d$
48 step hue circles; $rgb - LabCh^*$ tables

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmy0^*_{dd}$

TUB registration: 20130201-QE97/QE97L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

1-1031631-L0 OE970-72 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0 Output: Offset standard print; separation cmy0*, D65, page 17/3

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmy0^*_{dd}$

Output: Offset standard print; separation cmy0*, D65, page 17/33

TUB registration: 20130201-QE97/QE97L0FA.TXT /.PS TUB material: code=rha4ta application for measurement of offset print output, separation cmy0* (CMY0)

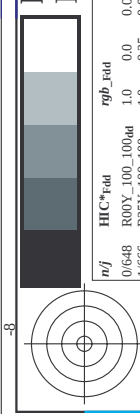
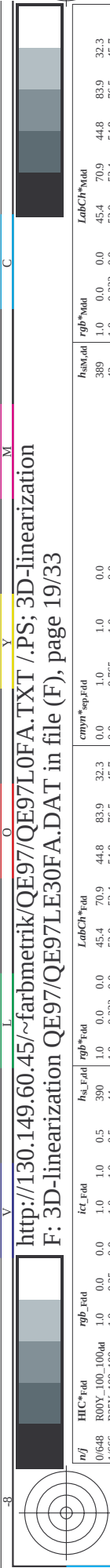
see similar files: <http://130.149.60.45/~farbmetrik/QE97/QE97.HTM> technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

input: *rgb/cmyk* -> *rgbbd*
output: 3D-linearization to *cmy0**dd

TUB-test chart QE97; hue code: H*d=G50Bd
colors and differences, ΔE*

n/f		H* _{CC} -Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb_Fid	LabCH*-Fid	cmy0*_sep_Fid	haxn_id	rgbbd	LabCH*-Fid	delta	
0/648	R00Y_100_100dd	1.0	0.0	1.0	0.5	370	45.4	70.9	44.8	83.9	32.3	0.0	0.0
1/657	R13Y_100_100dd	0.125	0.0	1.0	0.5	390	48.6	63.3	49.1	80.2	37.7	0.0	0.0
2/666	R25Y_100_100dd	0.25	0.0	1.0	0.5	44	53.0	53.4	54.8	76.5	45.7	0.0	0.0
3/675	R38Y_100_100dd	0.375	0.0	1.0	0.5	52	58.8	41.1	61.7	74.1	56.3	0.0	0.0
4/684	R50Y_100_100dd	0.5	0.0	1.0	0.5	60	64.9	28.9	68.6	74.5	67.1	0.0	0.0
5/693	R63Y_100_100dd	0.625	0.0	1.0	0.5	68	72.5	14.8	77.6	79.0	79.1	0.0	0.0
6/702	R75Y_100_100dd	0.75	0.0	1.0	0.5	76	78.6	4.3	84.7	84.8	87.0	0.0	0.0
7/711	R88Y_100_100dd	1.0	0.0	1.0	0.5	83	83.7	-3.8	90.5	92.4	92.4	0.0	0.0
8/720	Y00C_100_100dd	1.0	1.0	0.0	0.5	90	87.8	-10.2	95.4	96.0	96.1	0.0	0.0
9/659	Y13C_100_100dd	0.875	1.0	0.0	0.5	97	88.3	0.0	84.5	89.7	98.6	0.0	0.0
10/638	Y25C_100_100dd	0.75	1.0	0.0	0.5	104	81.2	-17.0	84.3	86.0	101.4	0.0	0.0
11/477	Y38C_100_100dd	0.625	1.0	0.0	0.5	112	75.6	-23.6	76.2	79.8	107.2	0.0	0.0
12/396	Y50C_100_100dd	0.5	1.0	0.0	0.5	120	70.6	-29.7	66.5	72.8	114.0	0.0	0.0
13/315	Y63C_100_100dd	0.375	1.0	0.0	0.5	128	65.2	-36.4	57.6	68.2	122.3	0.0	0.0
14/234	Y75C_100_100dd	0.25	1.0	0.0	0.5	136	62.3	-43.3	45.8	66.5	136.5	0.0	0.0
15/153	Y88C_100_100dd	0.125	1.0	0.0	0.5	143	54.4	-54.7	38.0	66.6	145.1	0.0	0.0
16/72	G00C_100_100dd	0.0	1.0	0.0	0.5	150	50.0	-65.0	29.6	71.4	155.5	0.0	0.0
17/73	G13C_100_100dd	0.125	1.0	0.0	0.5	157	50.5	-62.9	22.4	66.8	160.4	0.0	0.0
18/74	G25C_100_100dd	0.25	1.0	0.0	0.5	164	51.1	-59.5	13.9	61.1	166.8	0.0	0.0
19/75	G38C_100_100dd	0.375	1.0	0.0	0.5	172	51.9	-54.9	3.7	55.0	176.1	0.0	0.0
20/76	G50C_100_100dd	0.5	1.0	0.0	0.5	180	52.9	-48.6	-8.0	49.3	189.3	0.0	0.0
21/77	G63C_100_100dd	0.625	1.0	0.0	0.5	188	54.1	-42.0	-18.8	46.0	204.1	0.0	0.0
22/78	G75C_100_100dd	0.75	1.0	0.0	0.5	196	55.1	-35.4	-28.4	43.4	216.7	0.0	0.0
23/79	G88C_100_100dd	1.0	1.0	0.0	0.5	203	55.9	-35.0	-35.0	46.3	229.0	0.0	0.0
24/80	C00B_100_100dd	0.0	1.0	1.0	0.5	210	56.8	-25.5	-41.5	48.7	238.4	0.0	0.0
25/81	C13B_100_100dd	0.125	1.0	1.0	0.5	217	54.3	-21.4	-41.4	46.6	242.6	0.0	0.0
26/62	C25B_100_100dd	0.25	1.0	1.0	0.5	224	50.9	-16.2	-41.2	44.2	248.4	0.0	0.0
27/63	C38B_100_100dd	0.375	1.0	1.0	0.5	232	46.8	-9.8	-40.9	42.1	256.4	0.0	0.0
28/44	C50B_100_100dd	0.5	1.0	1.0	0.5	240	41.7	-1.2	-40.6	40.6	268.2	0.0	0.0
29/35	C63B_100_100dd	0.625	1.0	1.0	0.5	248	37.0	6.6	-40.2	40.8	279.3	0.0	0.0
30/26	C75B_100_100dd	0.75	1.0	1.0	0.5	256	32.2	15.3	-40.3	43.1	290.8	0.0	0.0
31/17	C88B_100_100dd	0.875	1.0	1.0	0.5	263	28.4	22.8	-40.3	46.3	299.5	0.0	0.0
32/8	B00M_100_100dd	0.0	0.0	1.0	0.5	270	25.0	29.5	-40.4	50.0	306.2	0.0	0.0
33/89	B13M_100_100dd	0.125	0.0	1.0	0.5	277	27.7	35.6	-36.7	51.1	314.1	0.0	0.0
34/170	B25M_100_100dd	0.25	0.0	1.0	0.5	284	28.7	41.2	-33.1	52.9	321.1	0.0	0.0
35/251	B38M_100_100dd	0.375	0.0	1.0	0.5	292	32.5	51.2	-26.5	57.7	332.6	0.0	0.0
36/332	B50M_100_100dd	0.5	0.0	1.0	0.5	300	35.6	58.6	-20.7	62.1	340.5	0.0	0.0
37/413	B63M_100_100dd	0.625	0.0	1.0	0.5	308	38.3	65.8	-13.7	67.2	348.2	0.0	0.0
38/494	B75M_100_100dd	0.75	0.0	1.0	0.5	316	42.1	71.6	-8.7	72.1	353.0	0.0	0.0
39/575	B88M_100_100dd	0.875	0.0	1.0	0.5	323	44.3	75.4	-4.7	75.6	356.3	0.0	0.0
40/656	M00R_100_100dd	1.0	0.0	1.0	0.5	330	46.1	79.3	-0.2	79.3	359.8	0.0	0.0
41/655	M13R_100_100dd	1.0	0.0	0.875	1.0	337	45.9	78.3	3.8	78.4	2.8	0.0	0.0
42/654	M25R_100_100dd	1.0	0.0	0.75	1.0	344	45.9	77.3	8.0	77.7	5.9	0.0	0.0
43/653	M38R_100_100dd	1.0	0.0	0.625	1.0	352	46.0	75.7	14.4	77.1	10.8	0.0	0.0
44/652	M50R_100_100dd	1.0	0.0	0.5	1.0	360	45.9	74.2	21.1	77.1	15.9	0.0	0.0
45/651	M63R_100_100dd	1.0	0.0	0.375	1.0	368	45.8	72.9	28.7	78.4	21.5	0.0	0.0
46/650	M75R_100_100dd	1.0	0.0	0.25	1.0	376	45.6	72.1	35.3	80.3	26.1	0.0	0.0
47/649	M88R_100_100dd	1.0	0.0	0.125	1.0	383	45.5	71.4	40.4	82.1	29.5	0.0	0.0
48/648	R00Y_100_100dd	1.0	0.0	0.0	1.0	390	45.4	70.9	44.8	83.9	32.3	0.0	0.0
49/0	NW_000dd	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50/91	NW_013dd	0.125	0.0	0.0	0.125	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51/182	NW_025dd	0.25	0.0	0.0	0.25	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52/273	NW_038dd	0.375	0.0	0.0	0.375	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53/364	NW_050dd	0.5	0.0	0.0	0.5	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54/455	NW_063dd	0.625	0.0	0.0	0.625	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55/546	NW_075dd	0.75	0.0	0.0	0.75	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56/637	NW_088dd	0.875	0.0	0.0	0.875	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57/728	NW_100dd	1.0	1.0	1.0	1.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Mean color difference of this page:

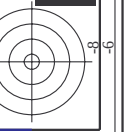


n/f	HC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCH*Fid	cmy0*_sep_Fid	cmyn*_sep_Fid	delta	rgb*Mid	hsa_Mid	LabCH*Mid	cmyn*_sep_Mid	cmyn*_sep_Mid	delta
0/648	R0Y_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
1/666	R25Y_100_100ad	0.0	0.25	0.0	1.0	0.233	0.0	0.765	0.0	0.0	0.233	0.0	0.0	0.0	0.0
2/684	R50Y_100_100ad	0.0	0.5	0.0	1.0	0.466	0.0	0.534	0.0	0.0	0.466	0.0	0.0	0.0	0.0
3/702	R75Y_100_100ad	0.0	0.75	0.0	1.0	0.766	0.0	0.234	0.0	0.0	0.766	0.0	0.0	0.0	0.0
4/720	Y00C_100_100ad	0.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
5/738	Y25C_100_100ad	0.0	0.25	0.0	1.0	0.766	0.0	0.235	0.0	0.0	0.766	0.0	0.0	0.0	0.0
6/756	Y50C_100_100ad	0.0	0.5	0.0	1.0	0.5	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0
7/774	Y75C_100_100ad	0.0	0.75	0.0	1.0	0.233	0.0	0.766	0.0	0.0	0.233	0.0	0.0	0.0	0.0
8/792	G00B_100_100ad	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9/792	G00B_100_100ad	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10/76	G25B_100_100ad	0.0	0.25	0.0	1.0	0.5	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0
11/80	G50B_100_100ad	0.0	0.5	0.0	1.0	0.233	0.0	0.765	0.0	0.0	0.233	0.0	0.0	0.0	0.0
12/84	G75B_100_100ad	0.0	0.75	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13/8	B00M_100_100ad	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14/32	B25R_100_100ad	0.0	0.25	0.0	1.0	0.5	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0
15/652	B50R_100_100ad	0.0	0.5	0.0	1.0	0.233	0.0	0.766	0.0	0.0	0.233	0.0	0.0	0.0	0.0
16/652	B75R_100_100ad	0.0	0.75	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17/648	R00Y_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18/668	R00Y_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19/676	R50Y_100_100ad	0.0	0.5	0.0	1.0	0.5	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0
20/724	Y00C_100_100ad	0.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
21/664	Y25C_100_100ad	0.0	0.25	0.0	1.0	0.766	0.0	0.235	0.0	0.0	0.766	0.0	0.0	0.0	0.0
22/400	G00B_100_100ad	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23/400	G00B_100_100ad	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24/400	G00B_100_100ad	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25/692	B50R_100_100ad	0.0	0.5	0.0	1.0	0.233	0.0	0.766	0.0	0.0	0.233	0.0	0.0	0.0	0.0
26/688	R00Y_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27/506	R00Y_075_050ad	0.75	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
28/524	R50Y_075_050ad	0.75	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29/542	Y00C_075_050ad	0.75	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30/380	Y50C_075_050ad	0.25	0.75	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
31/218	G00B_075_050ad	0.25	0.75	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
32/222	G50B_075_050ad	0.25	0.75	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
33/186	B00R_075_050ad	0.25	0.75	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
34/510	B50R_075_050ad	0.75	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
35/506	R00Y_075_050ad	0.75	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
36/324	R00Y_050_050ad	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
37/342	R50Y_050_050ad	0.5	0.25	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38/360	Y00C_050_050ad	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
39/198	Y50C_050_050ad	0.25	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
40/36	G00B_050_050ad	0.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
41/40	G50B_050_050ad	0.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
42/4	B00R_050_050ad	0.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43/328	B50R_050_050ad	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
44/324	R00Y_050_050ad	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45/0	NW_000ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46/91	NW_013ad	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
47/182	NW_025ad	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
48/273	NW_038ad	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375
49/364	NW_050ad	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
50/435	NW_065ad	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625
51/66	NW_080ad	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
52/66	NW_080ad	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875
53/728	NW_100ad	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

input: rgb/cmyk -> rgbdd
output: 3D-linearization to cmy0*dd

TUB-test chart QE97; hue code: H*d=G50Bd
colors and differences, ΔE*

1-1031831-F0



http://130.149.60.45/~farbmatrik/QE97/QE97L0FA.TXT /PS; 3D-linearization
F: 3D-linearization QE97/QE97LE30FA.DAT in file (F), page 21/33

n	HIC ¹⁰⁰ _{Ad}	rgb ¹⁰⁰ _{Ad}	lcr ¹⁰⁰ _{Ad}	hsa ¹⁰⁰ _{Ad}	rgb ¹⁰⁰ _{Ftd}	LabCH ¹⁰⁰ _{Ad}	cmym ¹⁰⁰ _{sep,Ftd}	hsa ¹⁰⁰ _{Ad}	rgb ¹⁰⁰ _{Ftd}	LabCH ¹⁰⁰ _{Ad}	delta															
81	R00Y_012_012Ad	0.125	0.0	0.125	0.0	0.0	27.0	8.8	5.6	10.4	32.3	0.0	0.967	1.0	0.0	0.0	389	1.0	0.0	45.4	70.9	44.8	83.9	32.3		
82	B00Y_025_012Ad	0.125	0.0	0.125	0.0	0.125	27.0	9.9	9.9	9.9	359.8	0.0	0.966	0.862	0.0	0.0	330	1.0	0.0	46.1	79.3	40.0	79.3	32.3		
83	B25R_025_025Ad	0.125	0.0	0.125	0.0	0.125	27.1	14.6	-11.0	15.5	340.5	0.0	0.904	0.973	0.728	0.0	300	0.5	0.0	35.6	58.6	-20.7	62.1	340.5		
84	B15R_037_037Ad	0.125	0.0	0.375	0.0	0.375	26.8	17.7	-5.1	20.9	328.1	0.0	0.889	0.986	0.592	0.0	288	0.316	0.0	30.9	47.3	-29.4	55.7	328.1		
85	B11R_050_050Ad	0.125	0.0	0.5	0.0	0.5	26.5	20.6	-16.5	26.4	321.1	0.0	0.894	1.0	0.486	0.0	282	0.233	0.0	28.7	41.2	-33.1	52.9	321.1		
86	B09R_062_062Ad	0.125	0.0	0.625	0.0	0.625	26.8	24.2	-21.7	32.5	318.2	0.0	0.888	1.0	0.376	0.0	279	0.183	0.0	28.3	38.8	-34.7	52.1	318.2		
87	B07R_075_075Ad	0.125	0.0	0.75	0.0	0.75	27.1	27.9	-26.8	38.7	316.2	0.0	0.886	0.999	0.262	0.0	278	0.15	0.0	28.1	37.2	-35.7	51.6	316.2		
88	B06R_087_087Ad	0.125	0.0	0.875	0.0	0.875	27.5	31.9	-31.6	44.9	315.2	0.0	0.88	0.994	0.138	0.0	277	0.133	0.0	27.9	36.4	-36.2	51.3	315.2		
89	B05R_100_100Ad	0.125	0.0	1.0	0.0	1.0	27.7	35.6	-36.7	51.1	314.1	0.0	0.882	0.999	0.0	0.116	0.0	276	0.116	0.0	27.7	35.6	-36.7	51.1	314.1	
90	Y00G_012_012Ad	0.125	0.0	0.125	0.0	0.0	32.3	-1.2	11.9	12.0	96.1	0.0	0.875	0.791	1.0	0.0	89	1.0	1.0	0.0	87.8	-10.2	95.4	96.0	96.1	
91	NW_012Ad	0.125	0.0	0.125	0.0	0.125	33.0	3.6	-5.0	6.2	306.2	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	0.0	95.6	0.0	0.0	0.0	0.0	
92	B00R_025_012Ad	0.125	0.0	0.125	0.0	0.125	33.3	3.6	-5.0	6.2	306.2	0.0	0.878	0.774	0.736	0.0	360	1.0	1.0	0.0	95.6	0.0	0.0	0.0	0.0	
93	B00R_037_025Ad	0.125	0.0	0.375	0.0	0.375	33.5	7.3	-11.0	12.5	306.2	0.0	0.867	0.792	0.538	0.0	270	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2	
94	B00R_050_037Ad	0.125	0.0	0.5	0.0	0.5	33.5	11.0	-15.1	18.7	306.2	0.0	0.861	0.799	0.441	0.0	270	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2	
95	B00R_062_050Ad	0.125	0.0	0.625	0.0	0.625	33.6	14.7	-20.2	25.0	306.2	0.0	0.857	0.807	0.344	0.0	270	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2	
96	B00R_075_062Ad	0.125	0.0	0.75	0.0	0.75	33.7	18.4	-25.2	31.3	306.2	0.0	0.853	0.816	0.243	0.0	270	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2	
97	B00R_087_075Ad	0.125	0.0	0.875	0.0	0.875	33.8	22.1	-30.3	37.5	306.2	0.0	0.852	0.819	0.129	0.0	270	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2	
98	B00R_100_087Ad	0.125	0.0	1.0	0.0	1.0	33.9	25.8	-35.3	43.8	306.2	0.0	0.852	0.826	0.002	0.0	270	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2	
99	Y50G_025_025Ad	0.125	0.0	0.25	0.0	0.25	35.9	-7.4	16.6	18.2	114.0	0.0	0.845	0.687	1.0	0.0	119	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114.0	
100	G00B_025_012Ad	0.125	0.0	0.125	0.0	0.125	36.4	-8.1	3.7	8.9	155.5	0.0	0.885	0.673	0.735	0.0	149	0.0	0.0	50.0	65.0	29.6	71.4	155.5		
101	G50B_025_012Ad	0.125	0.0	0.125	0.0	0.124	36.5	27.3	-3.1	5.1	238.4	0.0	0.873	0.588	0.710	0.0	150	0.0	1.0	36.8	45.5	-41.5	48.7	238.4		
102	G00B_025_012Ad	0.125	0.0	0.125	0.0	0.124	36.5	27.3	-3.1	5.1	238.4	0.0	0.873	0.588	0.710	0.0	150	0.0	1.0	36.8	45.5	-41.5	48.7	238.4		
103	G40B_050_037Ad	0.125	0.0	0.5	0.0	0.5	37.6	9.3	-16.1	10.1	298.2	0.0	0.867	0.601	0.402	0.0	251	0.0	0.0	0.316	1.0	95.7	9.0	298.2		
104	G80B_062_050Ad	0.125	0.0	0.625	0.0	0.625	37.7	7.6	-20.1	13.5	290.6	0.0	0.864	0.689	0.257	0.0	257	0.0	0.0	0.233	1.0	32.2	15.3	290.6		
105	G80B_062_050Ad	0.125	0.0	0.625	0.0	0.625	37.7	7.6	-20.1	13.5	290.6	0.0	0.864	0.689	0.257	0.0	257	0.0	0.0	0.233	1.0	32.2	15.3	290.6		
106	G92B_087_075Ad	0.125	0.0	0.75	0.0	0.75	37.5	37.1	11.6	-35.2	27.8	290.6	0.0	0.861	0.714	0.226	0.0	260	0.0	0.183	1.0	30.6	18.5	-40.4	44.5	290.6
107	G92B_087_075Ad	0.125	0.0	0.75	0.0	0.75	37.5	37.1	11.6	-35.2	27.8	290.6	0.0	0.861	0.714	0.226	0.0	260	0.0	0.183	1.0	30.6	18.5	-40.4	44.5	290.6
108	G92B_087_075Ad	0.125	0.0	0.75	0.0	0.75	37.5	37.1	11.6	-35.2	27.8	290.6	0.0	0.861	0.714	0.226	0.0	260	0.0	0.183	1.0	30.6	18.5	-40.4	44.5	290.6
109	G68B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
110	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
111	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
112	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
113	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
114	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
115	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
116	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
117	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
118	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
119	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
120	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
121	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
122	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
123	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
124	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
125	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
126	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
127	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
128	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
129	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
130	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-16.2	7.4	17.8	155.5	0.0	0.853	0.594	1.0	131	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127.8	
131	G58B_037_025Ad	0.125	0.0	0.375	0.0	0.375	38.6	39.7	-																	

	Mean color difference of this page:
1.16.0	0.000
3.1.0	0.000
4.1.0	0.000
5.0.0	0.000
6.0.0	0.000
7.0.0	0.000
8.0.0	0.000
9.0.0	0.000
10.0.0	0.000
11.0.0	0.000
12.0.0	0.000
13.0.0	0.000
14.0.0	0.000
15.0.0	0.000
16.0.0	0.000
17.0.0	0.000
18.0.0	0.000
19.0.0	0.000
20.0.0	0.000
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23.0.0	0.000
24.0.0	0.000
25.0.0	0.000
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27.0.0	0.000
28.0.0	0.000
29.0.0	0.000
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40.0.0	0.000
41.0.0	0.000
42.0.0	0.000
43.0.0	0.000
44.0.0	0.000
45.0.0	0.000
46.0.0	0.000
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69.0.0	0.000
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71.0.0	0.000
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74.0.0	0.000
75.0.0	0.000
76.0.0	0.000
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79.0.0	0.000
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81.0.0	0.000
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93.0.0	0.000
94.0.0	0.000
95.0.0	0.000
96.0.0	0.000
97.0.0	0.000
98.0.0	0.000
99.0.0	0.000
100.0.0	0.000

```
input: rgb/cmyk -> rgbdd
output: 3D-linearization to cmy0*dd
```

TUB-test chart QE97; hue code: H^{*}_d=G50B_d
colors and differences, ΔE^{*}

-see similar files: <http://130.149.60.45/~farbmetrik/QE97/QE97.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



TUB registration: 20130201-QE97/QE97L0FA.TXT /.PS
- application for measurement of offset print output, separate

TUB material: code=rha4ta
my0* (CMY0)



V L O Y M
http://130.149.60.45/~farbmatrik/QE97/QE97L0FA.TXT /PS; 3D-linearization
F: 3D-linearization QE97/QE97LE30FA.DAT in file (F), page 22/33

n	HIC ^{Field}	rgb ^{Field}	icL ^{Field}	ha ^{Field}	rgb ^{Field}	LabCh ^{Field}	cmv ^{Temp} Field	hax ^{Field}	rgb ^{Field}	LabCh ^{Field}
162	ROY_025_025ad	0.25	0.0	0.0	0.0	0.0	0.0	399	0.0	0.0
163	ROY_025_025ad	0.25	0.0	0.0	0.0	0.0	0.0	360	1.0	0.0
164	ROY_025_025ad	0.25	0.0	0.0	0.0	0.0	0.0	330	1.0	0.0
165	B34R_037_037ad	0.25	0.0	0.0	0.0	0.0	0.0	311	0.683	0.0
166	B25R_050_050ad	0.25	0.0	0.0	0.0	0.0	0.0	300	0.5	0.0
167	B19R_062_062ad	0.25	0.0	0.0	0.0	0.0	0.0	292	0.383	0.0
168	B15R_075_075ad	0.25	0.0	0.0	0.0	0.0	0.0	288	0.316	0.0
169	B13R_087_087ad	0.25	0.0	0.0	0.0	0.0	0.0	284	0.266	0.0
170	B11R_100_100ad	0.25	0.0	0.0	0.0	0.0	0.0	282	0.233	0.0
171	R50Y_025_025ad	0.25	0.125	0.0	0.0	0.0	0.0	59	1.0	0.0
172	R50Y_025_025ad	0.25	0.125	0.0	0.0	0.0	0.0	389	1.0	0.0
173	R50Y_025_025ad	0.25	0.125	0.0	0.0	0.0	0.0	330	1.0	0.0
174	B25R_037_037ad	0.25	0.125	0.0	0.0	0.0	0.0	288	0.316	0.0
175	B15R_050_037ad	0.25	0.125	0.0	0.0	0.0	0.0	282	0.233	0.0
176	B11R_062_050ad	0.25	0.125	0.0	0.0	0.0	0.0	279	0.183	0.0
177	B09R_075_062ad	0.25	0.125	0.0	0.0	0.0	0.0	278	0.15	0.0
178	B07R_087_075ad	0.25	0.125	0.0	0.0	0.0	0.0	277	0.133	0.0
179	B06R_100_087ad	0.25	0.125	0.0	0.0	0.0	0.0	89	1.0	0.0
180	Y00C_025_025ad	0.25	0.0	0.0	0.0	0.0	0.0	89	1.0	0.0
181	Y00C_025_025ad	0.25	0.0	0.0	0.0	0.0	0.0	360	1.0	0.0
182	N02_025ad	0.25	0.0	0.0	0.0	0.0	0.0	360	1.0	0.0
183	B09R_037_012ad	0.25	0.0	0.0	0.0	0.0	0.0	270	0.0	0.0
184	B06R_050_025ad	0.25	0.0	0.0	0.0	0.0	0.0	270	0.0	0.0
185	B06R_062_037ad	0.25	0.0	0.0	0.0	0.0	0.0	270	0.0	0.0
186	B06R_075_050ad	0.25	0.0	0.0	0.0	0.0	0.0	270	0.0	0.0
187	B06R_087_062ad	0.25	0.0	0.0	0.0	0.0	0.0	270	0.0	0.0
188	B06R_100_075ad	0.25	0.0	0.0	0.0	0.0	0.0	270	0.0	0.0
189	Y31C_037_037ad	0.25	0.0	0.0	0.0	0.0	0.0	108	0.683	0.0
190	Y30C_037_025ad	0.25	0.0	0.0	0.0	0.0	0.0	119	0.5	0.0
191	G00R_037_012ad	0.25	0.0	0.0	0.0	0.0	0.0	149	0.0	0.0
192	G50R_037_012ad	0.25	0.0	0.0	0.0	0.0	0.0	210	0.0	0.0
193	G75R_050_025ad	0.25	0.0	0.0	0.0	0.0	0.0	240	0.0	0.0
194	G48R_050_037ad	0.25	0.0	0.0	0.0	0.0	0.0	251	0.0	0.0
195	G68R_050_050ad	0.25	0.0	0.0	0.0	0.0	0.0	257	0.0	0.0
196	G90R_087_062ad	0.25	0.0	0.0	0.0	0.0	0.0	260	0.0	0.0
197	G90R_087_062ad	0.25	0.0	0.0	0.0	0.0	0.0	262	0.0	0.0
198	Y20R_037_037ad	0.25	0.0	0.0	0.0	0.0	0.0	131	0.316	0.0
199	Y40R_050_050ad	0.25	0.0	0.0	0.0	0.0	0.0	149	0.0	0.0
200	G00R_050_025ad	0.25	0.0	0.0	0.0	0.0	0.0	180	0.0	0.0
201	G50R_050_025ad	0.25	0.0	0.0	0.0	0.0	0.0	210	0.0	0.0
202	G68R_062_037ad	0.25	0.0	0.0	0.0	0.0	0.0	228	0.0	0.0
203	G75R_075_050ad	0.25	0.0	0.0	0.0	0.0	0.0	240	0.0	0.0
204	G90R_087_062ad	0.25	0.0	0.0	0.0	0.0	0.0	247	0.0	0.0
205	G90R_087_062ad	0.25	0.0	0.0	0.0	0.0	0.0	251	0.0	0.0
206	G94R_100_075ad	0.25	0.0	0.0	0.0	0.0	0.0	127	0.383	0.0
207	Y61C_062_062ad	0.25	0.625	0.312	0.239	0.625	0.292	137	0.233	0.0
208	Y66C_062_062ad	0.25	0.625	0.312	0.239	0.625	0.292	149	0.0	0.0
209	G00R_062_037ad	0.25	0.625	0.312	0.239	0.625	0.292	168	0.0	0.0
210	G15R_062_037ad	0.25	0.625	0.312	0.239	0.625	0.292	191	0.0	0.0
211	G34R_062_037ad	0.25	0.625	0.312	0.239	0.625	0.292	222	0.0	0.0
212	G50R_062_037ad	0.25	0.625	0.312	0.239	0.625	0.292	232	0.0	0.0
213	G61R_075_050ad	0.25	0.625	0.312	0.239	0.625	0.292	240	0.0	0.0
214	G90R_075_050ad	0.25	0.625	0.312	0.239	0.625	0.292	240	0.0	0.0
215	G75R_075_075ad	0.25	0.625	0.312	0.239	0.625	0.292	131	0.316	0.0
216	Y81C_075_062ad	0.25	0.75	0.375	0.239	0.75	0.375	140	0.183	0.0
217	Y81C_075_062ad	0.25	0.75	0.375	0.239	0.75	0.375	140	0.183	0.0
218	G00R_075_050ad	0.25	0.75	0.375	0.239	0.75	0.375	162	0.0	0.0
219	G11R_075_050ad	0.25	0.75	0.375	0.239	0.75	0.375	162	0.0	0.0
220	G11R_075_050ad	0.25	0.75	0.375	0.239	0.75	0.375	180	0.0	0.0
221	G38R_075_050ad	0.25	0.75	0.375	0.239	0.75	0.375	197	0.0	0.0
222	G38R_075_050ad	0.25	0.75	0.375	0.239	0.75	0.375	210	0.0	0.0
223	G59R_087_062ad	0.25	0.75	0.375	0.239	0.75	0.375	219	0.0	0.0
224	G59R_087_062ad	0.25	0.75	0.375	0.239	0.75	0.375	228	0.0	0.0
225	G59R_087_062ad	0.25	0.75	0.375	0.239	0.75	0.375	228	0.0	0.0
226	Y85C_087_075ad	0.25	0.875	0.437	0.233	0.875	0.437	142	0.15	0.0
227	Y85C_087_075ad	0.25	0.875	0.437	0.233	0.875	0.437	142	0.15	0.0
228	G00R_087_062ad	0.25	0.875	0.437	0.233	0.875	0.437	149	0.0	0.0
229	G00R_087_062ad	0.25	0.875	0.437	0.233	0.875	0.437	159	0.0	0.0
230	G19R_087_062ad	0.25	0.875	0.437	0.233	0.875	0.437	172	0.0	0.0
231	G40R_087_062ad	0.25	0.875	0.437	0.233	0.875	0.437	187	0.0	0.0
232	G40R_087_062ad	0.25	0.875	0.437	0.233	0.875	0.437	200	0.0	0.0
233	G40R_087_062ad	0.25	0.875	0.437	0.233	0.875	0.437	200	0.0	0.0
234	G57R_100_075ad	0.25	1.0	0.75	0.375	1.0	0.75	217	0.0	0.0
235	G76C_100_075ad	0.25	1.0	0.75	0.375	1.0	0.75	217	0.0	0.0
236	G96C_100_075ad	0.25	1.0	0.75	0.375	1.0	0.75	217	0.0	0.0
237	G96C_100_075ad	0.25	1.0	0.75	0.375	1.0	0.75	217	0.0	0.0
238	G96C_100_075ad	0.25	1.0	0.75	0.375	1.0	0.75	217	0.0	0.0
239	G96C_100_075ad	0.25	1.0	0.75	0.375	1.0	0.75	217	0.0	0.0
240	G96C_100_075ad	0.25	1.0	0.75	0.375	1.0	0.75	217	0.0	0.0
241	G96C_100_075ad	0.25	1.0	0.75	0.375	1.0	0.75	217	0.0	0.0
242	G96C_100_075ad	0.25	1.0	0.75	0.375	1.0	0.75	217	0.0	0.0

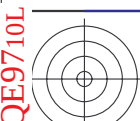
[illegible]

TUB-test chart QE97; hue code: H_d^{*}=G50B_d

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *cmy0**_{dd}

-see similar files: <http://130.149.60.45/~farbmetrik/QE97/QE97.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>





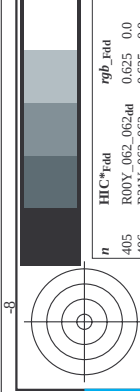
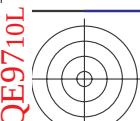
TUB registration: 20130201-QE97/QE97L0FA.TXT /.PS
TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)

http://130.149.60.45/~farbmatrik/QE97/QE97L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE97/QE97L0FA.DAT in file (F), page 23/33

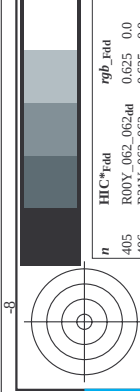
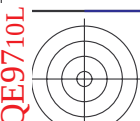
n	HIC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCH*Fid	cmyn*sep_Fid	0.922	1.0	0.0	454	709	839	32.3
243	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	390	0.375 0.0	32.2	26.6	16.8	31.4	32.3	0.67	0.922	1.0	0.0
244	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	391	0.375 0.0	32.3	26.7	16.9	31.5	32.4	0.67	0.921	0.999	0.0
245	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	392	0.375 0.0	32.4	26.8	17.0	31.6	32.5	0.67	0.921	0.999	0.0
246	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	393	0.375 0.0	32.5	26.9	17.1	31.7	32.6	0.67	0.921	0.999	0.0
247	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	394	0.375 0.0	32.6	27.0	17.2	31.8	32.7	0.67	0.921	0.999	0.0
248	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	395	0.375 0.0	32.7	27.1	17.3	31.9	32.8	0.67	0.921	0.999	0.0
249	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	396	0.375 0.0	32.8	27.2	17.4	32.0	32.9	0.67	0.921	0.999	0.0
250	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	397	0.375 0.0	32.9	27.3	17.5	32.1	33.0	0.67	0.921	0.999	0.0
251	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	398	0.375 0.0	33.0	27.4	17.6	32.2	33.1	0.67	0.921	0.999	0.0
252	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	399	0.375 0.0	33.1	27.5	17.7	32.3	33.2	0.67	0.921	0.999	0.0
253	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	400	0.375 0.0	33.2	27.6	17.8	32.4	33.3	0.67	0.921	0.999	0.0
254	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	401	0.375 0.0	33.3	27.7	17.9	32.5	33.4	0.67	0.921	0.999	0.0
255	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	402	0.375 0.0	33.4	27.8	18.0	32.6	33.5	0.67	0.921	0.999	0.0
256	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	403	0.375 0.0	33.5	27.9	18.1	32.7	33.6	0.67	0.921	0.999	0.0
257	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	404	0.375 0.0	33.6	28.0	18.2	32.8	33.7	0.67	0.921	0.999	0.0
258	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	405	0.375 0.0	33.7	28.1	18.3	32.9	33.8	0.67	0.921	0.999	0.0
259	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	406	0.375 0.0	33.8	28.2	18.4	33.0	33.9	0.67	0.921	0.999	0.0
260	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	407	0.375 0.0	33.9	28.3	18.5	33.1	34.0	0.67	0.921	0.999	0.0
261	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	408	0.375 0.0	34.0	28.4	18.6	33.2	34.1	0.67	0.921	0.999	0.0
262	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	409	0.375 0.0	34.1	28.5	18.7	33.3	34.2	0.67	0.921	0.999	0.0
263	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	410	0.375 0.0	34.2	28.6	18.8	33.4	34.3	0.67	0.921	0.999	0.0
264	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	411	0.375 0.0	34.3	28.7	18.9	33.5	34.4	0.67	0.921	0.999	0.0
265	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	412	0.375 0.0	34.4	28.8	19.0	33.6	34.5	0.67	0.921	0.999	0.0
266	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	413	0.375 0.0	34.5	28.9	19.1	33.7	34.6	0.67	0.921	0.999	0.0
267	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	414	0.375 0.0	34.6	29.0	19.2	33.8	34.7	0.67	0.921	0.999	0.0
268	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	415	0.375 0.0	34.7	29.1	19.3	33.9	34.8	0.67	0.921	0.999	0.0
269	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	416	0.375 0.0	34.8	29.2	19.4	34.0	34.9	0.67	0.921	0.999	0.0
270	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	417	0.375 0.0	34.9	29.3	19.5	34.1	35.0	0.67	0.921	0.999	0.0
271	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	418	0.375 0.0	35.0	29.4	19.6	34.2	35.1	0.67	0.921	0.999	0.0
272	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	419	0.375 0.0	35.1	29.5	19.7	34.3	35.2	0.67	0.921	0.999	0.0
273	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	420	0.375 0.0	35.2	29.6	19.8	34.4	35.3	0.67	0.921	0.999	0.0
274	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	421	0.375 0.0	35.3	29.7	19.9	34.5	35.4	0.67	0.921	0.999	0.0
275	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	422	0.375 0.0	35.4	29.8	20.0	34.6	35.5	0.67	0.921	0.999	0.0
276	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	423	0.375 0.0	35.5	29.9	20.1	34.7	35.6	0.67	0.921	0.999	0.0
277	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	424	0.375 0.0	35.6	30.0	20.2	34.8	35.7	0.67	0.921	0.999	0.0
278	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	425	0.375 0.0	35.7	30.1	20.3	34.9	35.8	0.67	0.921	0.999	0.0
279	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	426	0.375 0.0	35.8	30.2	20.4	35.0	35.9	0.67	0.921	0.999	0.0
280	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	427	0.375 0.0	35.9	30.3	20.5	35.1	36.0	0.67	0.921	0.999	0.0
281	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	428	0.375 0.0	36.0	30.4	20.6	35.2	36.1	0.67	0.921	0.999	0.0
282	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	429	0.375 0.0	36.1	30.5	20.7	35.3	36.2	0.67	0.921	0.999	0.0
283	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	430	0.375 0.0	36.2	30.6	20.8	35.4	36.3	0.67	0.921	0.999	0.0
284	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	431	0.375 0.0	36.3	30.7	20.9	35.5	36.4	0.67	0.921	0.999	0.0
285	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	432	0.375 0.0	36.4	30.8	21.0	35.6	36.5	0.67	0.921	0.999	0.0
286	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	433	0.375 0.0	36.5	30.9	21.1	35.7	36.6	0.67	0.921	0.999	0.0
287	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	434	0.375 0.0	36.6	31.0	21.2	35.8	36.7	0.67	0.921	0.999	0.0
288	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	435	0.375 0.0	36.7	31.1	21.3	35.9	36.8	0.67	0.921	0.999	0.0
289	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	436	0.375 0.0	36.8	31.2	21.4	36.0	36.9	0.67	0.921	0.999	0.0
290	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	437	0.375 0.0	36.9	31.3	21.5	36.1	37.0	0.67	0.921	0.999	0.0
291	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	438	0.375 0.0	37.0	31.4	21.6	36.2	37.1	0.67	0.921	0.999	0.0
292	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	439	0.375 0.0	37.1	31.5	21.7	36.3	37.2	0.67	0.921	0.999	0.0
293	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	440	0.375 0.0	37.2	31.6	21.8	36.4	37.3	0.67	0.921	0.999	0.0
294	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	441	0.375 0.0	37.3	31.7	21.9	36.5	37.4	0.67	0.921	0.999	0.0
295	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	442	0.375 0.0	37.4	31.8	22.0	36.6	37.5	0.67	0.921	0.999	0.0
296	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	443	0.375 0.0	37.5	31.9	22.1	36.7	37.6	0.67	0.921	0.999	0.0
297	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	444	0.375 0.0	37.6	32.0	22.2	36.8	37.7	0.67	0.921	0.999	0.0
298	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	445	0.375 0.0	37.7	32.1	22.3	36.9	37.8	0.67	0.921	0.999	0.0
299	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	446	0.375 0.0	37.8	32.2	22.4	37.0	37.9	0.67	0.921	0.999	0.0
300	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	447	0.375 0.0	37.9	32.3	22.5	37.1	38.0	0.67	0.921	0.999	0.0
301	ROY0_037_037ad	0.375 0.0	0.375 0.375 0.187	448	0.375 0.0	38.0	32.4	22.6	37.2	38.1	0.67	0.921	0.999	



TUB registration: 20130201-QE97/QE97L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)

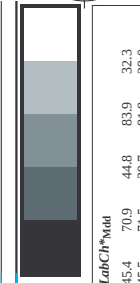


see similar files: <http://130.149.60.45/~farbmatrik/QE97/QE97L0FA.TXT> /PS; 3D-linearization
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



n	HVC*Fid	rgb*Fid	lcr*Fid	hsa*Fid	rgb*Fid	LabCH*Fid	cmyn*sep,Fid	rgb*Fid	hsa*Fid	LabCH*Fid	delta
405	R31Y.062.062ad	0.625 0.0 0.125	0.625 0.625 0.312	379	0.625 0.0 0.114	37.6 44.9	0.445 0.94 0.9	0.0 0.0 0.0	380	0.0 0.0 0.0	45.3 71.8 32.5
406	R11Y.062.062ad	0.625 0.0 0.25	0.625 0.625 0.312	367	0.625 0.0 0.239	37.7 45.6	0.444 0.937 0.755	0.0 0.0 0.0	367	0.0 0.0 0.0	45.8 73.0 32.8
407	R11Y.062.062ad	0.625 0.0 0.375	0.625 0.625 0.312	353	0.625 0.0 0.385	37.8 47.2	0.448 0.937 0.906	0.0 0.0 0.0	352	0.0 0.0 0.0	46.0 75.5 32.7
408	R59R.062.062ad	0.625 0.0 0.5	0.625 0.625 0.312	341	0.625 0.0 0.51	37.8 48.6	0.451 0.942 0.960	0.0 0.0 0.0	339	0.0 0.0 0.0	46.1 79.7 32.6
409	R59R.062.062ad	0.625 0.0 0.625	0.625 0.625 0.312	330	0.625 0.0 0.625	37.9 49.5	0.456 0.941 0.935	0.0 0.0 0.0	330	0.0 0.0 0.0	46.1 79.3 32.6
410	R59R.062.062ad	0.625 0.0 0.75	0.625 0.625 0.312	321	0.625 0.0 0.75	38.9 55.7	0.456 0.941 0.935	0.0 0.0 0.0	322	0.0 0.0 0.0	46.1 79.3 32.6
411	R59R.062.062ad	0.625 0.0 0.875	0.625 0.625 0.312	314	0.625 0.0 0.875	39.2 61.1	0.456 0.941 0.935	0.0 0.0 0.0	315	0.0 0.0 0.0	46.1 79.3 32.6
412	R31R.062.062ad	0.625 0.0 1.0	0.625 0.625 0.312	308	0.625 0.0 1.0	40.1 66.1	0.456 0.941 0.935	0.0 0.0 0.0	308	0.0 0.0 0.0	46.1 79.3 32.6
413	R19Y.062.062ad	0.625 0.125 0.0	0.625 0.625 0.312	41	0.625 0.114 0.0	41.1 36.1	0.441 0.927 1.0	0.0 0.0 0.0	39	0.0 0.183 0.0	51.1 57.8 32.2
414	R19Y.062.062ad	0.625 0.125 0.125	0.625 0.625 0.312	41	0.625 0.125 0.125	43.8 35.4	0.441 0.927 1.0	0.0 0.0 0.0	39	0.0 0.183 0.0	51.1 57.8 32.2
415	R00Y.062.062ad	0.625 0.125 0.25	0.625 0.625 0.312	390	0.625 0.125 0.241	43.9 36.4	0.413 0.79 0.769	0.0 0.0 0.0	389	0.0 0.0 0.233	45.4 70.9 32.3
416	R26Y.062.062ad	0.625 0.125 0.375	0.625 0.625 0.312	376	0.625 0.125 0.375	44.0 37.1	0.418 0.79 0.551	0.0 0.0 0.0	377	0.0 0.0 0.233	45.4 70.9 32.3
417	R00Y.062.062ad	0.625 0.125 0.5	0.625 0.625 0.312	360	0.625 0.125 0.508	44.0 38.6	0.424 0.792 0.551	0.0 0.0 0.0	360	0.0 0.0 0.233	45.4 70.9 32.3
418	R61R.062.062ad	0.625 0.125 0.625	0.625 0.625 0.312	344	0.625 0.125 0.625	44.1 39.6	0.43 0.798 0.448	0.0 0.0 0.0	342	0.0 0.0 0.766	47.3 80 77.7
419	R00Y.062.062ad	0.625 0.125 0.75	0.625 0.625 0.312	330	0.625 0.125 0.75	44.1 45.8	0.433 0.801 0.436	0.0 0.0 0.0	330	0.0 0.0 0.766	47.3 80 77.7
420	B40R.075.062ad	0.625 0.125 0.875	0.625 0.625 0.312	319	0.625 0.125 0.875	44.9 50.1	0.433 0.801 0.436	0.0 0.0 0.0	330	0.0 0.0 0.766	47.3 80 77.7
421	B40R.075.062ad	0.625 0.125 1.0	0.625 0.625 0.312	305	0.625 0.125 1.0	44.8 51.0	0.433 0.801 0.436	0.0 0.0 0.0	330	0.0 0.0 0.766	47.3 80 77.7
422	B29R.100.087ad	0.625 0.125 0.0	0.625 0.625 0.312	53	0.625 0.125 0.0	44.5 55.3	0.433 0.801 0.436	0.0 0.0 0.0	330	0.0 0.0 0.766	47.3 80 77.7
423	B29R.100.087ad	0.625 0.125 0.125	0.625 0.625 0.312	53	0.625 0.125 0.125	44.5 55.3	0.433 0.801 0.436	0.0 0.0 0.0	330	0.0 0.0 0.766	47.3 80 77.7
424	R23Y.062.062ad	0.625 0.25 0.0	0.625 0.625 0.312	44	0.625 0.241 0.125	47.6 26.7	0.414 0.691 0.772	0.0 0.0 0.0	52	0.0 0.233 0.0	59.5 39.5 62.5
425	R23Y.062.062ad	0.625 0.25 0.125	0.625 0.625 0.312	44	0.625 0.241 0.125	47.6 26.7	0.414 0.691 0.772	0.0 0.0 0.0	52	0.0 0.233 0.0	59.5 39.5 62.5
426	R00Y.062.037ad	0.625 0.25 0.25	0.625 0.375 0.437	390	0.625 0.25 0.25	50.1 26.6	0.396 0.655 0.575	0.0 0.0 0.0	389	0.0 0.0 0.316	53.4 53.4 76.5
427	R18Y.062.037ad	0.625 0.25 0.375	0.625 0.375 0.437	371	0.625 0.25 0.368	50.2 27.2	0.402 0.657 0.506	0.0 0.0 0.0	371	0.0 0.0 0.316	53.4 53.4 76.5
428	B65R.062.037ad	0.625 0.25 0.5	0.625 0.375 0.437	349	0.625 0.25 0.506	50.2 28.6	0.402 0.657 0.506	0.0 0.0 0.0	371	0.0 0.0 0.316	53.4 53.4 76.5
429	B50R.062.037ad	0.625 0.25 0.625	0.625 0.375 0.437	330	0.625 0.25 0.625	50.3 29.7	0.402 0.657 0.506	0.0 0.0 0.0	371	0.0 0.0 0.316	53.4 53.4 76.5
430	B38R.075.062ad	0.625 0.25 0.75	0.625 0.375 0.437	319	0.625 0.25 0.75	51.0 35.8	0.402 0.657 0.506	0.0 0.0 0.0	371	0.0 0.0 0.316	53.4 53.4 76.5
431	B38R.075.062ad	0.625 0.25 0.875	0.625 0.375 0.437	307	0.625 0.25 0.875	50.6 40.6	0.402 0.657 0.506	0.0 0.0 0.0	371	0.0 0.0 0.316	53.4 53.4 76.5
432	R25R.100.075ad	0.625 0.25 1.0	0.625 0.375 0.437	300	0.625 0.25 1.0	50.6 43.9	0.402 0.657 0.506	0.0 0.0 0.0	371	0.0 0.0 0.316	53.4 53.4 76.5
433	R61Y.062.062ad	0.625 0.375 0.0	0.625 0.625 0.312	67	0.625 0.385 0.0	53.9 10.2	0.418 0.518 0.989	0.0 0.0 0.0	67	0.0 0.1616 0.0	71.6 16.4 77.8
434	R50Y.062.050ad	0.625 0.375 0.125	0.625 0.625 0.312	69	0.625 0.385 0.125	53.5 14.4	0.418 0.518 0.989	0.0 0.0 0.0	67	0.0 0.1616 0.0	71.6 16.4 77.8
435	R31Y.062.037ad	0.625 0.375 0.25	0.625 0.375 0.437	40	0.625 0.368 0.25	54.2 17.1	0.41 0.546 0.797	0.0 0.0 0.0	59	0.0 0.5 0.0	64.9 28.9 68.6
436	R00Y.062.025ad	0.625 0.375 0.375	0.625 0.25 0.5	390	0.625 0.375 0.375	56.3 17.1	0.41 0.546 0.797	0.0 0.0 0.0	59	0.0 0.5 0.0	64.9 28.9 68.6
437	R00Y.062.025ad	0.625 0.375 0.5	0.625 0.25 0.5	360	0.625 0.375 0.5	56.4 18.5	0.41 0.546 0.797	0.0 0.0 0.0	59	0.0 0.5 0.0	64.9 28.9 68.6
438	B50R.062.025ad	0.625 0.375 0.625	0.625 0.25 0.5	330	0.625 0.375 0.625	56.5 19.8	0.41 0.546 0.797	0.0 0.0 0.0	59	0.0 0.5 0.0	64.9 28.9 68.6
439	B34R.075.037ad	0.625 0.375 0.75	0.625 0.375 0.437	311	0.631 0.375 0.75	56.8 25.5	0.41 0.546 0.797	0.0 0.0 0.0	59	0.0 0.5 0.0	64.9 28.9 68.6
440	B25R.087.050ad	0.625 0.375 0.875	0.625 0.375 0.437	300	0.631 0.375 0.875	56.7 29.3	0.41 0.546 0.797	0.0 0.0 0.0	59	0.0 0.5 0.0	64.9 28.9 68.6
441	B19R.100.062ad	0.625 0.375 1.0	0.625 0.375 0.437	293	0.614 0.375 1.0	56.4 32.7	0.41 0.546 0.797	0.0 0.0 0.0	59	0.0 0.5 0.0	64.9 28.9 68.6
442	R61Y.062.062ad	0.625 0.5 0.0	0.625 0.625 0.312	79	0.625 0.508 0.125	60.4 2.1	0.397 0.398 0.812	0.0 0.0 0.0	77	0.0 0.1616 0.0	78.6 4.3 84.7
443	R68Y.062.037ad	0.625 0.5 0.125	0.625 0.375 0.437	71	0.625 0.508 0.125	60.4 2.1	0.397 0.398 0.812	0.0 0.0 0.0	77	0.0 0.1616 0.0	78.6 4.3 84.7
444	R50Y.062.025ad	0.625 0.5 0.25	0.625 0.375 0.437	60	0.625 0.5 0.25	61.1 4.1	0.397 0.398 0.812	0.0 0.0 0.0	77	0.0 0.1616 0.0	78.6 4.3 84.7
445	R00Y.062.012ad	0.625 0.5 0.375	0.625 0.125 0.562	390	0.625 0.5 0.375	61.2 7.2	0.397 0.398 0.812	0.0 0.0 0.0	77	0.0 0.1616 0.0	78.6 4.3 84.7
446	R00Y.062.012ad	0.625 0.5 0.5	0.625 0.125 0.562	380	0.625 0.5 0.5	62.6 8.6	0.397 0.398 0.812	0.0 0.0 0.0	77	0.0 0.1616 0.0	78.6 4.3 84.7
447	B25R.087.050ad	0.625 0.5 0.625	0.625 0.125 0.562	300	0.625 0.5 0.625	62.7 9.9	0.397 0.398 0.812	0.0 0.0 0.0	77	0.0 0.1616 0.0	78.6 4.3 84.7
448	B19R.100.062ad	0.625 0.5 0.75	0.625 0.375 0.687	289	0.616 0.5 0.75	62.4 17.7	0.397 0.398 0.812	0.0 0.0 0.0	77	0.0 0.1616 0.0	78.6 4.3 84.7
449	R19Y.087.037ad	0.625 0.5 1.0	0.625 0.375 0.687	284	0.616 0.5 1.0	62.1 20.6	0.397 0.398 0.812	0.0 0.0 0.0	77	0.0 0.1616 0.0	78.6 4.3 84.7
450	Y00G.062.062ad	0.625 0.625 0.0	0.625 0.625 0.312	90	0.625 0.625 0.0	64.0 -6.3	0.401 0.285 0.978	0.0 0.0 0.0	89	0.0 1.0 0.0	87.8 -10.2 95.4
451	Y00G.062.062ad	0.625 0.625 0.125	0.625 0.625 0.312	90	0.625 0.625 0.125	65.0 -5.1	0.401 0.285 0.978	0.0 0.0 0.0	89	0.0 1.0 0.0	87.8 -10.2 95.4
452	Y00G.062.037ad	0.625 0.625 0.25	0.625 0.375 0.437	90	0.625 0.625 0.25	65.9 -3.8	0.391 0.286 0.921	0.0 0.0 0.0	89	0.0 1.0 0.0	87.8 -10.2 95.4
453	Y00G.062.037ad	0.625 0.625 0.375	0.625 0.25 0.5	90	0.625 0.625 0.375	66.9 -2.5	0.385 0.282 0.878	0.0 0.0 0.0	89	0.0 1.0 0.0	87.8 -10.2 95.4
454	Y00G.062.012ad	0.625 0.625 0.5	0.625 0.125 0.562	90	0.625 0.625 0.5	67.9 -1.2	0.386 0.282 0.878	0.0 0.0 0.0	89	0.0 1.0 0.0	87.8 -10.2 95.4
455	NW.062ad	0.625 0.625 0.625	0.625 0.125 0.562	90	0.625 0.625 0.625	68.9 0.0	0.397 0.274 0.903	0.0 0.0 0.0	89	0.0 1.0 0.0	87.8 -10.2 95.4
456	B00R.075.012ad	0.625 0.625 0.75	0.625 0.625 0.312	360	0.625 0.625 0.75	68.9 3.6	0.417 0.26 0.26	0.0 0.0 0.0	360	0.0 1.0 0.0	95.6 0.0 0.0
457	B00R.075.012ad	0.625 0.625 0.875	0.625 0.625 0.312	270	0.625 0.625 0.875	69.0 7.3	0.402 0.285 0.978	0.0 0.0 0.0	270		

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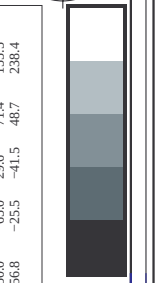
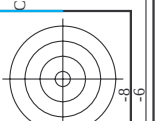
C

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TUB registration: 20130201-QE97/QE97L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta



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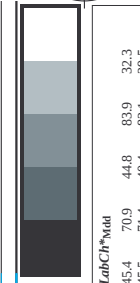
http://130.149.60.45/~farbmatrik/QE97/QE97L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE97/QE97L0FA.DAT in file (F), page 27/33



see similar files: <http://130.149.60.45/~farbmatrik/QE97/QE97L0FA.TXT> /.PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

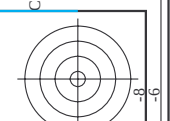


n	HVC*Fid	rgb*Fid	lch*Fid	hsa*Fid	rgb*Fid	LabCH*Fid	cmyn*sep*Fid	cmyn*sep*Fid	rgb*Fid	LabCH*Fid	delta
567	R00Y.087.087Ad	0.875 0.0 0.0	0.875 0.875 0.437	390	0.875 0.0 0.0	42.8 62.0	0.171 0.983	0.994 0.0	1.0 0.0	45.4 70.9	83.9
568	R36Y.087.087Ad	0.875 0.0 0.125	0.875 0.875 0.437	382	0.875 0.0 0.116	42.9 62.0	0.171 0.983	0.883 0.0	1.0 0.0	45.5 71.5	39.7
569	R23Y.087.087Ad	0.875 0.0 0.25	0.875 0.875 0.437	374	0.875 0.0 0.233	43.0 63.2	0.173 0.986	0.775 0.0	1.0 0.0	45.6 72.3	33.8
570	R09Y.087.087Ad	0.875 0.0 0.375	0.875 0.875 0.437	365	0.875 0.0 0.364	43.1 64.2	0.173 0.984	0.675 0.0	1.0 0.0	45.7 72.4	25.0
571	B70K.087.087Ad	0.875 0.0 0.5	0.875 0.875 0.437	356	0.875 0.0 0.51	43.2 65.8	0.174 0.982	0.575 0.0	1.0 0.0	45.8 73.3	16.9
572	B63K.087.087Ad	0.875 0.0 0.625	0.875 0.875 0.437	346	0.875 0.0 0.641	43.2 67.8	0.174 0.986	0.475 0.0	1.0 0.0	45.9 77.0	9.4
573	B56K.087.087Ad	0.875 0.0 0.75	0.875 0.875 0.437	338	0.875 0.0 0.758	43.3 68.4	0.179 0.985	0.375 0.0	1.0 0.0	46.0 78.1	7.0
574	B50K.087.087Ad	0.875 0.0 0.875	0.875 0.875 0.437	330	0.875 0.0 0.875	43.4 69.4	0.182 0.984	0.275 0.0	1.0 0.0	46.1 79.3	3.2
575	B44K.100.100Ad	0.875 0.0 1.0	0.875 0.875 0.437	323	0.883 0.0 1.0	44.3 75.4	0.171 0.871	0.171 0.0	1.0 0.0	46.1 79.3	359.8
576	R13Y.087.087Ad	0.875 0.125 0.0	0.875 0.875 0.437	38	0.875 0.116 0.0	46.1 54.3	0.171 0.871	0.0 0.0	1.0 0.0	46.2 75.4	79.3
577	R09Y.087.087Ad	0.875 0.125 0.125	0.875 0.75 0.5	390	0.875 0.125 0.125	49.1 53.2	0.135 0.843	0.0 0.0	1.0 0.0	46.2 62.1	49.8
578	R36Y.087.087Ad	0.875 0.125 0.25	0.875 0.75 0.5	381	0.875 0.125 0.237	49.1 53.2	0.137 0.846	0.0 0.0	1.0 0.0	46.3 70.9	44.8
579	R23Y.087.087Ad	0.875 0.125 0.375	0.875 0.75 0.5	371	0.875 0.125 0.362	49.1 54.5	0.138 0.846	0.0 0.0	1.0 0.0	46.4 71.6	83.9
580	R09Y.087.087Ad	0.875 0.125 0.5	0.875 0.75 0.5	360	0.875 0.125 0.5	49.4 55.6	0.142 0.846	0.0 0.0	1.0 0.0	46.5 74.2	21.1
581	B65K.087.087Ad	0.875 0.125 0.625	0.875 0.75 0.5	349	0.875 0.125 0.637	49.4 57.3	0.143 0.852	0.0 0.0	1.0 0.0	46.6 78.4	11.9
582	B57K.087.087Ad	0.875 0.125 0.75	0.875 0.75 0.5	339	0.875 0.125 0.762	49.4 58.3	0.147 0.853	0.0 0.0	1.0 0.0	46.7 78.0	8.9
583	B43K.100.100Ad	0.875 0.125 0.875	0.875 0.75 0.5	330	0.875 0.125 0.875	49.5 59.4	0.15 0.855	0.0 0.0	1.0 0.0	46.8 78.0	5.0
584	B36K.100.100Ad	0.875 0.125 1.0	0.875 0.75 0.5	322	0.883 0.125 1.0	50.5 65.5	0.081 0.869	0.0 0.0	1.0 0.0	46.9 79.3	359.8
585	R15Y.087.087Ad	0.875 0.25 0.0	0.875 0.875 0.437	46	0.875 0.237 0.0	50.6 44.1	0.167 0.753	1.0 0.0	1.0 0.0	47.0 74.9	79.3
586	R09Y.087.087Ad	0.875 0.25 0.125	0.875 0.75 0.5	39	0.875 0.237 0.125	52.4 45.5	0.167 0.753	0.0 0.0	1.0 0.0	47.1 74.9	50.4
587	R36Y.087.087Ad	0.875 0.25 0.25	0.875 0.875 0.437	390	0.875 0.25 0.25	55.3 44.9	0.167 0.753	0.0 0.0	1.0 0.0	47.2 74.9	60.7
588	R23Y.087.087Ad	0.875 0.25 0.375	0.875 0.75 0.5	379	0.875 0.25 0.364	55.4 44.9	0.167 0.753	0.0 0.0	1.0 0.0	47.3 74.9	70.8
589	R09Y.087.087Ad	0.875 0.25 0.5	0.875 0.75 0.5	367	0.875 0.25 0.489	55.6 45.6	0.167 0.753	0.0 0.0	1.0 0.0	47.4 74.9	81.1
590	B60K.087.087Ad	0.875 0.25 0.625	0.875 0.75 0.5	353	0.875 0.25 0.636	55.7 47.2	0.167 0.753	0.0 0.0	1.0 0.0	47.5 74.9	92.2
591	B53K.087.087Ad	0.875 0.25 0.75	0.875 0.75 0.5	341	0.875 0.25 0.636	55.7 47.2	0.167 0.753	0.0 0.0	1.0 0.0	47.6 74.9	103.3
592	B46K.100.100Ad	0.875 0.25 0.875	0.875 0.75 0.5	329	0.875 0.25 0.875	56.8 55.8	0.167 0.753	0.0 0.0	1.0 0.0	47.7 74.9	114.4
593	R15Y.087.087Ad	0.875 0.375 0.0	0.875 0.875 0.437	55	0.875 0.362 0.0	57.4 34.3	0.167 0.753	0.0 0.0	1.0 0.0	47.8 74.9	125.5
594	R09Y.087.087Ad	0.875 0.375 0.125	0.875 0.75 0.5	49	0.875 0.362 0.125	57.4 34.3	0.167 0.753	0.0 0.0	1.0 0.0	47.9 74.9	136.6
595	R36Y.087.087Ad	0.875 0.375 0.25	0.875 0.875 0.437	55	0.875 0.362 0.25	58.9 36.1	0.167 0.753	0.0 0.0	1.0 0.0	48.0 74.9	147.7
596	R23Y.087.087Ad	0.875 0.375 0.375	0.875 0.75 0.5	40	0.875 0.362 0.375	61.6 35.4	0.167 0.753	0.0 0.0	1.0 0.0	48.1 74.9	158.8
597	R09Y.087.087Ad	0.875 0.375 0.5	0.875 0.75 0.5	362	0.875 0.375 0.5	62.8 37.1	0.167 0.753	0.0 0.0	1.0 0.0	48.2 74.9	169.9
598	R26Y.087.087Ad	0.875 0.375 0.625	0.875 0.75 0.5	376	0.875 0.375 0.625	61.8 37.1	0.167 0.753	0.0 0.0	1.0 0.0	48.3 74.9	181.0
599	B61K.087.087Ad	0.875 0.375 0.75	0.875 0.75 0.5	362	0.875 0.375 0.75	61.8 37.1	0.167 0.753	0.0 0.0	1.0 0.0	48.4 74.9	192.1
600	B50K.087.087Ad	0.875 0.375 0.875	0.875 0.75 0.5	344	0.875 0.375 0.875	61.8 37.1	0.167 0.753	0.0 0.0	1.0 0.0	48.5 74.9	203.2
601	B40K.100.100Ad	0.875 0.375 1.0	0.875 0.75 0.5	305	0.885 0.375 1.0	62.8 45.8	0.167 0.753	0.0 0.0	1.0 0.0	48.6 74.9	214.3
602	R58Y.087.087Ad	0.875 0.5 0.0	0.875 0.875 0.437	69	0.875 0.51 0.0	64.0 17.7	0.167 0.753	0.0 0.0	1.0 0.0	48.7 74.9	225.4
603	R36Y.087.087Ad	0.875 0.5 0.125	0.875 0.75 0.5	60	0.875 0.5 0.125	63.6 21.6	0.167 0.753	0.0 0.0	1.0 0.0	48.8 74.9	236.5
604	R23Y.087.087Ad	0.875 0.5 0.25	0.875 0.875 0.437	53	0.875 0.489 0.25	64.1 24.7	0.167 0.753	0.0 0.0	1.0 0.0	48.9 74.9	247.6
605	R09Y.087.087Ad	0.875 0.5 0.375	0.875 0.75 0.5	44	0.875 0.491 0.375	65.4 26.7	0.167 0.753	0.0 0.0	1.0 0.0	49.0 74.9	258.7
606	R23Y.087.087Ad	0.875 0.5 0.5	0.875 0.75 0.5	390	0.875 0.5 0.5	67.9 26.6	0.167 0.753	0.0 0.0	1.0 0.0	49.1 74.9	269.8
607	R09Y.087.087Ad	0.875 0.5 0.625	0.875 0.75 0.5	371	0.875 0.5 0.618	68.1 27.2	0.167 0.753	0.0 0.0	1.0 0.0	49.2 74.9	280.9
608	B65K.087.087Ad	0.875 0.5 0.75	0.875 0.75 0.5	349	0.875 0.5 0.756	68.1 28.6	0.167 0.753	0.0 0.0	1.0 0.0	49.3 74.9	292.0
609	B50K.087.087Ad	0.875 0.5 0.875	0.875 0.75 0.5	330	0.875 0.5 0.875	68.1 29.7	0.167 0.753	0.0 0.0	1.0 0.0	49.4 74.9	303.1
610	B38K.100.100Ad	0.875 0.5 1.0	0.875 0.75 0.5	316	0.883 0.5 1.0	68.8 35.8	0.167 0.753	0.0 0.0	1.0 0.0	49.5 74.9	314.2
611	R15Y.087.087Ad	0.875 0.625 0.0	0.875 0.875 0.437	74	0.875 0.641 0.0	70.5 6.0	0.167 0.753	0.0 0.0	1.0 0.0	49.6 74.9	325.3
612	R09Y.087.087Ad	0.875 0.625 0.125	0.875 0.75 0.5	71	0.875 0.637 0.125	71.1 8.2	0.167 0.753	0.0 0.0	1.0 0.0	49.7 74.9	336.4
613	R36Y.087.087Ad	0.875 0.625 0.25	0.875 0.875 0.437	74	0.875 0.637 0.25	71.1 8.2	0.167 0.753	0.0 0.0	1.0 0.0	49.8 74.9	347.5
614	R23Y.087.087Ad	0.875 0.625 0.375	0.875 0.75 0.5	60	0.875 0.635 0.375	71.7 10.3	0.167 0.753	0.0 0.0	1.0 0.0	49.9 74.9	358.6
615	R09Y.087.087Ad	0.875 0.625 0.5	0.875 0.75 0.5	49	0.875 0.635 0.5	72.0 17.1	0.167 0.753	0.0 0.0	1.0 0.0	50.0 74.9	369.7
616	R31Y.087.087Ad	0.875 0.625 0.625	0.875 0.75 0.5	390	0.875 0.635 0.625	74.1 17.7	0.167 0.753	0.0 0.0	1.0 0.0	50.1 74.9	380.8
617	R09Y.087.087Ad	0.875 0.625 0.75	0.875 0.75 0.5	360	0.875 0.635 0.75	74.2 19.8	0.167 0.753	0.0 0.0	1.0 0.0	50.2 74.9	391.9
618	B50K.087.087Ad	0.875 0.625 0.875	0.875 0.75 0.5	330	0.875 0.635 0.875	74.3 19.8	0.167 0.753	0.0 0.0	1.0 0.0	50.3 74.9	403.0
619	B44K.100.100Ad	0.875 0.625 1.0	0.875 0.75 0.5	311	0.881 0.625 1.0	74.7 25.5	0.167 0.753	0.0 0.0	1.0 0.0	50.4 74.9	414.1
620	R86Y.087.087Ad	0.875 0.75 0.0	0.875 0.875 0.437	82	0.875 0.758 0.0	76.7 2.4	0.167 0.753	0.0 0.0	1.0 0.0	50.5 74.9	425.2
621	R31Y.087.087Ad	0.875 0.75 0.125	0.875 0.75 0.5	81	0.875 0.762 0.125	76.7 2.4	0.167 0.753	0.0 0.0	1.0 0.0	50.6 74.9	436.3
622	R86Y.087.087Ad	0.875 0.75 0.25	0.875 0.875 0.437	79	0.875 0.762 0.25	77.5 1.1	0.167 0.753	0.0 0.0	1.0 0.0	50.7 74.9	447.4
623	R31Y.087.087Ad	0.875 0.75 0.375	0.875 0.75 0.5	78	0.875 0.762 0.375	78.2 2.1	0.167 0.753	0.0 0.0	1.0 0.0	50.8 74.9	458.5
624	R86Y.087.087Ad	0.875 0.75 0.5	0.875 0.875 0.437	76	0.875 0.762 0.5	78.9 3.1	0.167 0.753	0.0 0.0	1.0 0.0	50.9 74.9	469.6
625	R31Y.087.087Ad	0.875 0.75 0.625	0.875 0.75 0.5	75	0.875 0.762 0.625	79.0 4.2	0.167 0.753	0.0 0.0	1.0 0.0	51.0 74.9	480.7
626	R86Y.087.087Ad	0.875 0.75 0.75	0.875 0.75 0.5	73	0.875 0.762 0.75	79.1 5.3	0.167 0.753	0.0 0.0	1.0 0.0	51.1 74.9	491.8
627	R09Y.087.087Ad	0.875 0.75 0.875	0.875 0.75 0.5	390	0.875 0.762 0.875	79.2 6.4	0.167 0.753	0.0 0.0	1.0 0.0	51.2 74.9	502.9
628	B50K.087.087Ad	0.875 0.75 1.0	0.875 0.75 0.5	330	0.875 0.762 1.0	80.3 7.5	0.167 0.753	0.0 0.0	1.0 0.0	51.3 74.9	514.0
629	B25K.100.100Ad	0.875 0.75 1.0	0.875 0.75 0.5	300	0.875 0.762 1.0	80.3 7.5	0.167 0.753	0.0 0.0	1.0 0.0	51.4 74.9	525.1
630	R13Y.087.087Ad	0.875 0.75 0.0	0.875 0.875 0.437	390	0.875 0.762 0.0	80.3 7.5	0.167 0.753	0.0 0.0	1.0 0.0	51.5 74.9	536.2
631	R09Y.087.087Ad	0.875 0.75 0.125	0.875 0.75 0.5	90	0.875 0.762 0.125	80.3 7.5	0.167 0.753	0.0 0.0	1.0 0.0	51.6 74.9	547.3
632	R36Y.087.087Ad	0.875 0.75 0.25	0.875 0.875 0.437	90	0.875 0.762 0.25	80.3 7.5	0.167 0.753	0.0 0.0	1.0 0.0	51.7 74.9	558.4
633	R23Y.087.087Ad	0.875 0.75 0.375	0.875 0.75 0.5	80	0.875 0.762 0.375	80.3 7.5	0.167 0.753	0.0 0.0	1.0 0.0	51.8 74.9	569.5
634	R09Y.087.087Ad	0.875 0.75 0.5	0.875 0.75 0.5	90	0.875 0.762 0.5	80.3 7.5	0.167 0.753	0.0 0.0	1.0 0.0	51.9 74.9	580.6
635	B65K.087.087Ad	0.875 0.75 0.625	0.875 0.75 0.5	90	0.875 0.762 0.625	80.3 7.5	0.167 0.753	0.0 0.0	1.0 0.0	52.0 74.9	591.7
636	B50K.087.087Ad	0.875 0.75 0.75	0.875 0.75 0.5	90	0.875 0.762 0.75	80.3 7.5	0.167 0.753	0.0 0.0	1.0 0.0	52.1 74.9	602.8
637											



TUB registration: 20130201-QE97/QE97L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta



see similar files: <http://130.149.60.45/~farbmatrik/QE97/QE97.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



<http://130.149.60.45/~farbmatrik/QE97/QE97L0FA.TXT> /.PS; 3D-linearization
F: 3D-linearization QE97/QE97L0FA.DAT in file (F), page 28/33

QE970-7N; Page 28/33-F

TUB-test chart QE97; hue code: H*d=G50Bd
colors and differences, ΔE*

input: *rgb/cmyk* -> *rgbbd*
output: 3D-linearization to *cmy0**dd

n	HVC-Fid	rgb-Fid	icr-Fid	hsa-Fid	rgb-Fid	LabCH-Fid	cmy0* _{sep} -Fid	rgbbd	hsa-bd	LabCH-bd	delta
648	R00Y_100_100ad	1.0	0.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	0.0
649	R38Y_100_100ad	1.0	0.0	0.0	0.0	45.5	71.4	40.4	82.1	29.5	0.0
650	R16Y_100_100ad	1.0	0.0	0.0	0.0	45.6	72.1	35.3	80.3	26.1	0.0
651	R23Y_100_100ad	1.0	0.0	0.0	0.0	45.8	72.9	28.7	78.4	21.5	0.0
652	R00Y_100_100ad	1.0	0.0	0.0	0.0	45.9	74.2	21.1	77.1	15.9	0.0
653	B68R_100_100ad	1.0	0.0	0.0	0.0	46.0	75.7	14.4	77.1	10.8	0.0
654	B61R_100_100ad	1.0	0.0	0.0	0.0	46.1	77.3	8.0	77.7	5.9	0.0
655	B55R_100_100ad	1.0	0.0	0.0	0.0	46.2	79.8	3.8	78.4	2.8	0.0
656	B50R_100_100ad	1.0	0.0	0.0	0.0	46.3	82.3	0.0	80.2	0.0	0.0
657	R11Y_100_100ad	1.0	0.0	0.0	0.0	46.4	84.8	0.0	82.3	0.0	0.0
658	R00Y_100_097ad	1.0	0.875	0.562	390	46.5	87.3	0.0	84.8	0.0	0.0
659	R38Y_100_097ad	1.0	0.875	0.562	382	46.6	90.0	0.0	87.3	0.0	0.0
660	R16Y_100_097ad	1.0	0.875	0.562	374	46.7	92.7	0.0	89.8	0.0	0.0
661	R23Y_100_097ad	1.0	0.875	0.562	365	46.8	95.4	0.0	92.3	0.0	0.0
662	B68R_100_097ad	1.0	0.875	0.562	355	46.9	98.1	0.0	94.8	0.0	0.0
663	B61R_100_097ad	1.0	0.875	0.562	346	47.0	100.8	0.0	97.3	0.0	0.0
664	B55R_100_097ad	1.0	0.875	0.562	338	47.1	103.5	0.0	100.0	0.0	0.0
665	B50R_100_097ad	1.0	0.875	0.562	330	47.2	106.2	0.0	102.7	0.0	0.0
666	R23Y_100_100ad	1.0	0.0	0.0	0.0	47.3	108.9	0.0	105.4	0.0	0.0
667	R16Y_100_100ad	1.0	0.0	0.0	0.0	47.4	111.6	0.0	108.1	0.0	0.0
668	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.5	114.3	0.0	110.3	0.0	0.0
669	R38Y_100_100ad	1.0	0.0	0.0	0.0	47.6	117.0	0.0	112.5	0.0	0.0
670	R16Y_100_100ad	1.0	0.0	0.0	0.0	47.7	119.7	0.0	114.7	0.0	0.0
671	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.8	122.4	0.0	116.9	0.0	0.0
672	B68R_100_100ad	1.0	0.0	0.0	0.0	47.9	125.1	0.0	119.1	0.0	0.0
673	B61R_100_100ad	1.0	0.0	0.0	0.0	48.0	127.8	0.0	121.3	0.0	0.0
674	B55R_100_100ad	1.0	0.0	0.0	0.0	48.1	130.5	0.0	123.5	0.0	0.0
675	B50R_100_100ad	1.0	0.0	0.0	0.0	48.2	133.2	0.0	125.7	0.0	0.0
676	R23Y_100_100ad	1.0	0.0	0.0	0.0	48.3	135.9	0.0	127.9	0.0	0.0
677	R16Y_100_100ad	1.0	0.0	0.0	0.0	48.4	138.6	0.0	130.1	0.0	0.0
678	R00Y_100_100ad	1.0	0.0	0.0	0.0	48.5	141.3	0.0	132.3	0.0	0.0
679	R38Y_100_100ad	1.0	0.0	0.0	0.0	48.6	144.0	0.0	134.5	0.0	0.0
680	R16Y_100_100ad	1.0	0.0	0.0	0.0	48.7	146.7	0.0	136.7	0.0	0.0
681	B68R_100_100ad	1.0	0.0	0.0	0.0	48.8	149.4	0.0	138.9	0.0	0.0
682	B61R_100_100ad	1.0	0.0	0.0	0.0	48.9	152.1	0.0	141.1	0.0	0.0
683	B55R_100_100ad	1.0	0.0	0.0	0.0	49.0	154.8	0.0	143.3	0.0	0.0
684	B50R_100_100ad	1.0	0.0	0.0	0.0	49.1	157.5	0.0	145.5	0.0	0.0
685	R41Y_100_097ad	1.0	0.875	0.562	55	49.2	160.2	0.0	147.7	0.0	0.0
686	R31Y_100_097ad	1.0	0.875	0.562	49	49.3	162.9	0.0	150.0	0.0	0.0
687	R18Y_100_097ad	1.0	0.875	0.562	41	49.4	165.6	0.0	152.2	0.0	0.0
688	R00Y_100_097ad	1.0	0.875	0.562	33	49.5	168.3	0.0	154.5	0.0	0.0
689	R26Y_100_097ad	1.0	0.875	0.562	25	49.6	171.0	0.0	156.7	0.0	0.0
690	R00Y_100_097ad	1.0	0.875	0.562	17	49.7	173.7	0.0	159.0	0.0	0.0
691	B61R_100_097ad	1.0	0.875	0.562	9	49.8	176.4	0.0	161.2	0.0	0.0
692	B50R_100_097ad	1.0	0.875	0.562	1	49.9	179.1	0.0	163.5	0.0	0.0
693	R63Y_100_100ad	1.0	0.875	0.562	68	50.0	181.8	0.0	165.7	0.0	0.0
694	R38Y_100_100ad	1.0	0.875	0.562	61	50.1	184.5	0.0	168.0	0.0	0.0
695	R38Y_100_100ad	1.0	0.875	0.562	54	50.2	187.2	0.0	170.2	0.0	0.0
696	R38Y_100_100ad	1.0	0.875	0.562	47	50.3	189.9	0.0	172.5	0.0	0.0
697	R23Y_100_100ad	1.0	0.875	0.562	40	50.4	192.6	0.0	174.7	0.0	0.0
698	R00Y_100_100ad	1.0	0.875	0.562	33	50.5	195.3	0.0	177.0	0.0	0.0
699	R18Y_100_100ad	1.0	0.875	0.562	25	50.6	198.0	0.0	179.2	0.0	0.0
700	B68R_100_100ad	1.0	0.875	0.562	17	50.7	200.7	0.0	181.5	0.0	0.0
701	B50R_100_100ad	1.0	0.875	0.562	9	50.8	203.4	0.0	183.7	0.0	0.0
702	R76Y_100_100ad	1.0	0.875	0.562	74	50.9	206.1	0.0	186.0	0.0	0.0
703	R31Y_100_100ad	1.0	0.875	0.562	67	51.0	208.8	0.0	188.2	0.0	0.0
704	R18Y_100_100ad	1.0	0.875	0.562	59	51.1	211.5	0.0	190.5	0.0	0.0
705	B68R_100_100ad	1.0	0.875	0.562	51	51.2	214.2	0.0	192.7	0.0	0.0
706	B61R_100_100ad	1.0	0.875	0.562	43	51.3	216.9	0.0	195.0	0.0	0.0
707	R31Y_100_100ad	1.0	0.875	0.562	35	51.4	219.6	0.0	197.2	0.0	0.0
708	R00Y_100_100ad	1.0	0.875	0.562	27	51.5	222.3	0.0	199.5	0.0	0.0
709	R38Y_100_100ad	1.0	0.875	0.562	19	51.6	225.0	0.0	201.7	0.0	0.0
710	B50R_100_100ad	1.0	0.875	0.562	11	51.7	227.7	0.0	204.0	0.0	0.0
711	R88Y_100_100ad	1.0	0.875	0.562	83	51.8	230.4	0.0	206.2	0.0	0.0
712	R88Y_100_100ad	1.0	0.875	0.562	76	51.9	233.1	0.0	208.5	0.0	0.0
713	R88Y_100_100ad	1.0	0.875	0.562	69	52.0	235.8	0.0	210.7	0.0	0.0
714	R88Y_100_100ad	1.0	0.875	0.562	62	52.1	238.5	0.0	213.0	0.0	0.0
715	R76Y_100_100ad	1.0	0.875	0.562	54	52.2	241.2	0.0	215.2	0.0	0.0
716	R63Y_100_100ad	1.0	0.875	0.562	47	52.3	243.9	0.0	217.5	0.0	0.0
717	R50Y_100_100ad	1.0	0.875	0.562	39	52.4	246.6	0.0	219.7	0.0	0.0
718	R38Y_100_100ad	1.0	0.875	0.562	31	52.5	249.3	0.0	222.0	0.0	0.0
719	R26Y_100_100ad	1.0	0.875	0.562	23	52.6	252.0	0.0	224.2	0.0	0.0
720	R14Y_100_100ad	1.0	0.875	0.562	15	52.7	254.7	0.0	226.5	0.0	0.0
721	R02Y_100_100ad	1.0	0.875	0.562	7	52.8	257.4	0.0	228.7	0.0	0.0
722	Y00G_100_100ad	1.0	0.875	0.562	0	52.9	260.1	0.0	231.0	0.0	0.0
723	Y00G_100_100ad	1.0	0.875	0.562	0	53.0	262.8	0.0	233.2	0.0	0.0
724	Y00G_100_100ad	1.0	0.875	0.562	0	53.1	265.5	0.0	235.5	0.0	0.0
725	Y00G_100_100ad	1.0	0.875	0.562	0	53.2	268.2	0.0	237.7	0.0	0.0
726	Y00G_100_100ad	1.0	0.875	0.562	0	53.3	270.9	0.0	240.0	0.0	0.0
727	Y00G_100_100ad	1.0	0.875	0.562	0	53.4	273.6	0.0	242.2	0.0	0.0
728	NW_100ad	1.0	0.875	0.562	0	53.5	276.3	0.0	244.5	0.0	0.0



TUB registration: 20130201-QE97/QE97L0FA.TXT /.PS
application for measurement of offset print output, separate

TUB material: code=rha4ta
ny0* (CMY0)



5~farbmatrik/QE97/QE97L0FA.TXT /PS; 3D-linearization
QE97/QE97LE30FA.DAT in file (F), page 30/33

n	HFC*F _{old}	rgb_F _{old}		lcr_F _{old}	hsa_F _{old}		rgb*F _{old}		LabCh*F _{old}		cmv*_sep,F _{old}		hsa _{old}	rgb _{old}		LabCh* _{old}		n	
		1.0	0.0		1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0		1.0	0.0	1.0	0.0		1.0
810	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	810
811	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	811
812	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	812
813	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	813
814	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	814
815	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	815
816	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	816
817	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	817
818	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	818
819	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	819
820	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	820
821	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	821
822	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	822
823	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	823
824	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	824
825	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	825
826	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	826
827	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	827
828	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	828
829	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	829
830	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	830
831	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	831
832	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	832
833	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	833
834	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	834
835	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	835
836	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	836
837	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	837
838	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	838
839	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	839
840	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	840
841	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	841
842	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	842
843	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	843
844	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	844
845	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	845
846	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	846
847	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	847
848	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	848
849	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	849
850	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	850
851	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	851
852	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	852
853	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	853
854	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	854
855	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	855
856	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	856
857	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	857
858	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	858
859	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	859
860	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	860
861	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	861
862	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	862
863	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	863
864	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	864
865	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	865
866	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	866
867	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	867
868	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	868
869	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	869
870	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	870
871	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	871
872	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	872
873	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	873
874	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	874
875	B00R_100,0124d	0.875	0.875	1.0	0.0	0.0	360	0.875	0.875</										

	1.0	1.5	2.0	delta
Mean color difference of this page:				

TUB-test chart QE97; hue code: H_d^{*}=G50B_d

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *cmy0**_{dd}

-see similar files: <http://130.149.60.45/~farbmatrik/QE97/QE97.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



http://130.149.60.45/~farbmatrik/QE97/QE97L0FA.TXT /PS; 3D-linearization
F: 3D-linearization QE97/QE97LE30FA.DAT in file (F), page 31/33

TUB registration: 20130201-QE97/QE97L0FA.TXT /PS
TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)

n	HVC-Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb_Mid	LabCH_Fid	cmyk_sep_Fid	delta	hsa_Mid	rgb_Mid	LabCH_Mid	0.0	0.0	0.0
891	NW_1000ad	1.0	1.0	1.0	1.0	95.6	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
892	B50R_100.012ad	1.0	0.125	0.937	1.0	89.4	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
893	B50R_100.025ad	1.0	0.25	0.875	1.0	83.2	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
894	B50R_100.037ad	1.0	0.375	0.812	1.0	77.0	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
895	B50R_100.050ad	1.0	0.5	0.75	1.0	70.8	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
896	B50R_100.062ad	1.0	0.625	0.687	1.0	64.6	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
897	B50R_100.075ad	1.0	0.75	0.625	1.0	58.4	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
898	B50R_100.087ad	1.0	0.875	0.562	1.0	52.3	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
899	B50R_100.100ad	1.0	1.0	0.5	1.0	46.1	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
900	GOB_100.012ad	0.875	1.0	0.125	0.937	89.4	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
901	NW_087ad	0.875	0.875	0.875	0.875	86.7	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
902	B50R_087.012ad	0.875	0.875	0.875	0.875	80.5	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
903	B50R_087.025ad	0.875	0.875	0.875	0.875	74.3	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
904	B50R_087.037ad	0.875	0.875	0.875	0.875	68.1	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
905	B50R_087.050ad	0.875	0.875	0.875	0.875	61.9	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
906	B50R_087.062ad	0.875	0.875	0.875	0.875	55.7	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
907	B50R_087.075ad	0.875	0.875	0.875	0.875	49.5	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
908	B50R_087.100ad	0.875	0.875	0.875	0.875	43.4	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
909	GOB_100.025ad	0.75	1.0	0.25	0.875	84.2	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
910	GOB_100.037ad	0.75	0.875	0.812	0.875	78.0	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
911	NW_075ad	0.75	0.75	0.75	0.75	71.8	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
912	B50R_075.012ad	0.75	0.75	0.75	0.75	65.6	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
913	B50R_075.025ad	0.75	0.75	0.75	0.75	59.4	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
914	B50R_075.037ad	0.75	0.75	0.75	0.75	53.2	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
915	B50R_075.050ad	0.75	0.75	0.75	0.75	47.0	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
916	B50R_075.062ad	0.75	0.75	0.75	0.75	40.8	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
917	B50R_075.075ad	0.75	0.75	0.75	0.75	34.6	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
918	GOB_100.037ad	0.625	1.0	0.375	0.812	78.5	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
919	GOB_100.050ad	0.625	0.875	0.625	0.875	72.3	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
920	GOB_075.012ad	0.625	0.75	0.625	0.75	66.1	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
921	NW_062ad	0.625	0.625	0.625	0.625	59.9	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
922	B50R_062.012ad	0.625	0.625	0.625	0.625	53.7	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
923	B50R_062.025ad	0.625	0.625	0.625	0.625	47.5	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
924	B50R_062.037ad	0.625	0.625	0.625	0.625	41.3	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
925	B50R_062.050ad	0.625	0.625	0.625	0.625	35.1	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
926	B50R_062.062ad	0.625	0.625	0.625	0.625	28.9	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
927	GOB_100.050ad	0.5	1.0	0.5	0.75	72.8	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
928	GOB_087.037ad	0.5	0.875	0.375	0.687	69.6	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
929	GOB_075.025ad	0.5	0.75	0.25	0.625	63.4	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
930	GOB_062.012ad	0.5	0.625	0.125	0.562	57.2	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
931	NW_050ad	0.5	0.5	0.5	0.5	51.0	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
932	B50R_050.012ad	0.5	0.5	0.5	0.5	44.8	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
933	B50R_050.025ad	0.5	0.5	0.5	0.5	38.6	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
934	B50R_050.037ad	0.5	0.5	0.5	0.5	32.4	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
935	B50R_050.050ad	0.5	0.5	0.5	0.5	26.2	0.0	0.0	330	1.0	1.0	46.1	79.3	-0.2
936	GOB_100.062ad	0.375	1.0	0.625	0.687	67.1	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
937	GOB_087.050ad	0.375	0.875	0.375	0.639	60.9	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
938	GOB_075.037ad	0.375	0.75	0.375	0.572	54.7	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
939	GOB_062.025ad	0.375	0.625	0.375	0.519	48.5	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
940	NW_037ad	0.375	0.375	0.375	0.375	42.3	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
941	B50R_037.012ad	0.375	0.375	0.375	0.375	36.1	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
942	B50R_037.025ad	0.375	0.375	0.375	0.375	29.9	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
943	B50R_037.037ad	0.375	0.375	0.375	0.375	23.7	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
944	B50R_037.050ad	0.375	0.375	0.375	0.375	17.5	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
945	GOB_100.075ad	0.25	1.0	0.75	0.625	61.4	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
946	GOB_087.062ad	0.25	0.875	0.25	0.582	55.2	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
947	GOB_075.050ad	0.25	0.75	0.25	0.519	49.0	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
948	GOB_062.037ad	0.25	0.625	0.25	0.457	42.8	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
949	GOB_050.025ad	0.25	0.5	0.25	0.395	36.6	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
950	GOB_037.012ad	0.25	0.375	0.25	0.333	30.4	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
951	NW_025ad	0.25	0.25	0.25	0.25	24.2	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
952	B50R_025.012ad	0.25	0.25	0.25	0.25	18.0	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
953	B50R_025.025ad	0.25	0.25	0.25	0.25	11.8	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
954	GOB_100.087ad	0.125	1.0	0.875	0.562	50.0	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
955	GOB_087.075ad	0.125	0.875	0.125	0.457	43.8	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
956	GOB_075.062ad	0.125	0.75	0.125	0.395	37.6	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
957	GOB_062.050ad	0.125	0.625	0.125	0.333	31.4	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
958	GOB_050.037ad	0.125	0.5	0.125	0.271	25.2	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
959	GOB_037.025ad	0.125	0.375	0.125	0.209	19.0	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
960	GOB_025.012ad	0.125	0.25	0.125	0.146	12.8	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
961	NW_012ad	0.125	0.125	0.125	0.125	6.6	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
962	B50R_012.012ad	0.125	0.125	0.125	0.125	0.0	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
963	GOB_100.100ad	0.0	1.0	1.0	0.5	50.0	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
964	GOB_087.087ad	0.0	0.875	0.875	0.437	43.7	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
965	GOB_075.075ad	0.0	0.75	0.75	0.375	37.5	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
966	GOB_062.062ad	0.0	0.625	0.625	0.312	31.2	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
967	GOB_050.050ad	0.0	0.5	0.5	0.25	25.0	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
968	GOB_037.037ad	0.0	0.375	0.375	0.187	18.7	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
969	GOB_025.025ad	0.0	0.25	0.25	0.125	12.5	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
970	GOB_012.012ad	0.0	0.125	0.125	0.062	6.2	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0
971	NW_000ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.6	0.0	0.0

see similar files: <http://130.149.60.45/~farbmatrik/QE97/QE97L0FA.TXT> /PS; 3D-linearization
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

input: *rgb/cmyk* -> *rgbd*
output: 3D-linearization to *cmy0**ad

TUB-test chart QE97; hue code: H*d=G50Bd
colors and differences, ΔE*

TUB registration: 20130201-QE97/QE97L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)

n	HC*Fid	rgb_Fid	ic*_Fid	hs*_Fid	rgb*_Fid	LabCh*_Fid	cmyn*_sep_Fid	hsv*_id	rgb*_idd	LabCh*_idd	delta
1053	NW_086dd	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	86.6 0.0 0.0	0.173 0.108 0.099	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1054	NW_093dd	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	90.8 0.0 0.0	0.09 0.054 0.05	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1055	NW_100dd	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1056	NW_006dd	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	29.0 0.0 0.0	1.0 1.0 1.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1057	NW_003dd	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	33.8 0.0 0.0	0.935 0.855 0.825	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1058	NW_013dd	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	43.3 0.0 0.0	0.879 0.763 0.725	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1059	NW_026dd	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	52.8 0.0 0.0	0.799 0.661 0.614	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1060	NW_026dd	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	43.3 0.0 0.0	0.731 0.571 0.537	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1061	NW_033dd	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	48.1 0.0 0.0	0.682 0.507 0.485	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1062	NW_040dd	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	52.8 0.0 0.0	0.636 0.454 0.433	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1063	NW_046dd	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	57.5 0.0 0.0	0.574 0.404 0.381	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1064	NW_053dd	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	62.3 0.0 0.0	0.509 0.354 0.33	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1065	NW_060dd	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	67.1 0.0 0.0	0.442 0.285 0.278	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1066	NW_066dd	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	71.8 0.0 0.0	0.377 0.228 0.228	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1067	NW_073dd	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	76.6 0.0 0.0	0.314 0.191 0.186	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1068	NW_080dd	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	81.3 0.0 0.0	0.252 0.153 0.146	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1069	NW_086dd	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	86.0 0.0 0.0	0.173 0.108 0.099	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1070	NW_093dd	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	90.8 0.0 0.0	0.09 0.054 0.05	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1071	NW_100dd	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1072	NW_000dd	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1073	ROY_100_100dd	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1074	G50B_100_100dd	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	45.4 70.9 44.8	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	45.4 70.9 44.8	83.9
1075	Y06C_100_100dd	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	56.8 -25.5 -41.5	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	56.8 -25.5 -41.5	32.3
1076	B06C_100_100dd	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	67.8 -10.2 95.4	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	67.8 -10.2 95.4	48.7
1077	B06C_100_100dd	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	50.0 30.0 35.3	0.999 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	50.0 30.0 35.3	96.1
1078	B50R_100_100dd	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	29.5 29.5 40.4	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	29.5 29.5 40.4	306.2
1079	B50R_100_100dd	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	50.0 71.4 79.3	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	50.0 71.4 79.3	355.8

input: rgb/cmyk -> rgbdd
output: 3D-linearization to cmy0*dd

TUB-test chart QE97; hue code: H*_d=G50Bd
colors and differences, ΔE**