

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 102/360 = 0.28$

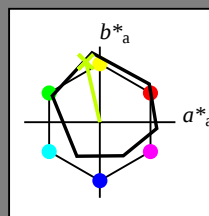
Data for any device (d) or elementary (e) colour:

HIC^*

hue text for the colours of this page:

$H^*_e = Y25G_-$

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):

$LabCh^*_{-,Ma}$: 83 -18 79 81 102

$HIC^*_{-,Ma}$: Y25G_100_100-

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

0.76 1.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

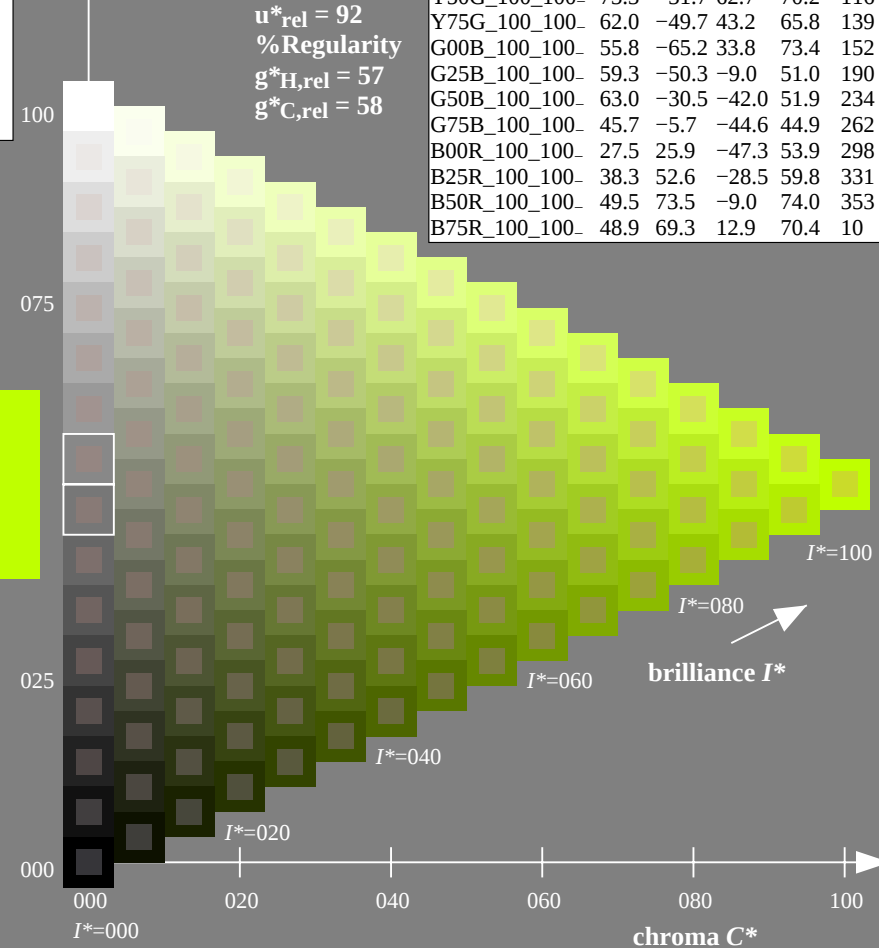
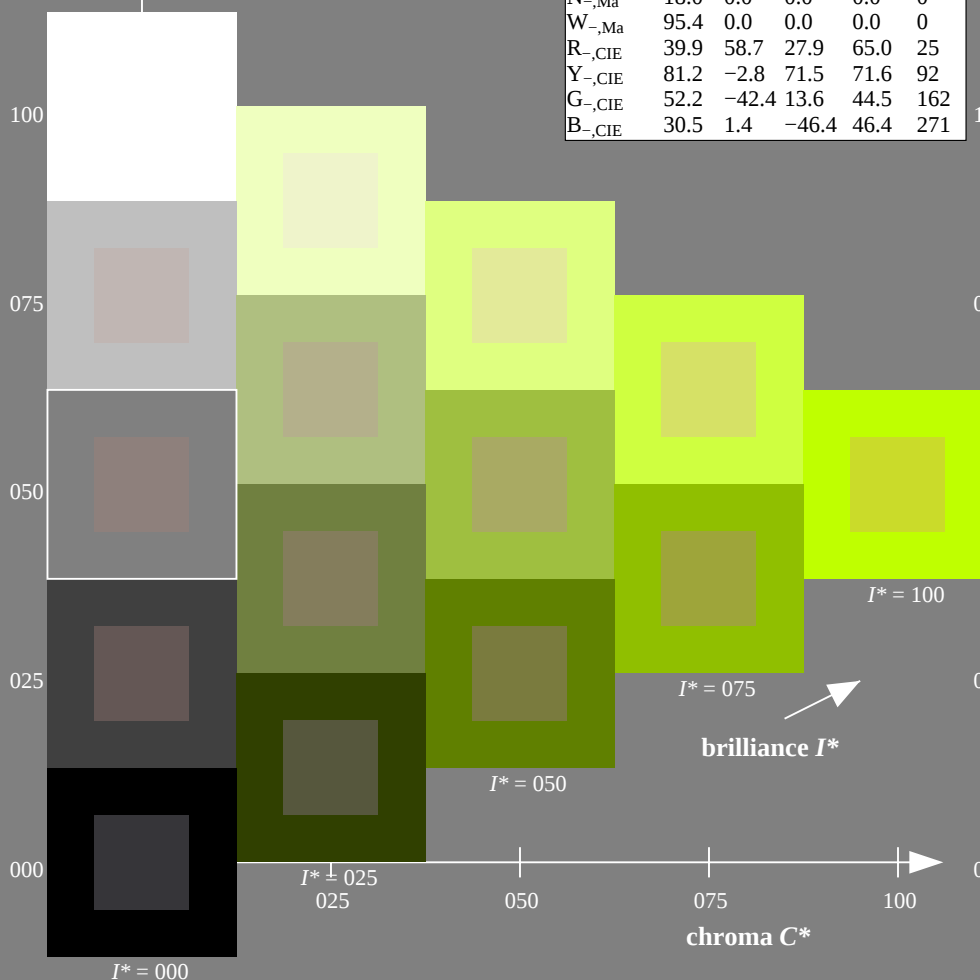
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_e	$L^*=L^*_a a^*_a$	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 QE47; hue code: $H^*_e = Y25G_-$
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 $h_{ab,a,rel} = h_{ab}/360 = 101/360 = 0.28$

$H^*_d = Y25G_d$

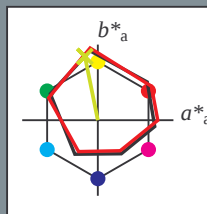
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours
of this page:

$H^*_d = Y25G_d$

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):

$LabCh^*_d, Ma$: 81 -17 84 86 101

HIC^*_d, Ma : Y25G_100_100d

$rgbic^*_d, Ma$:

0.76 1.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

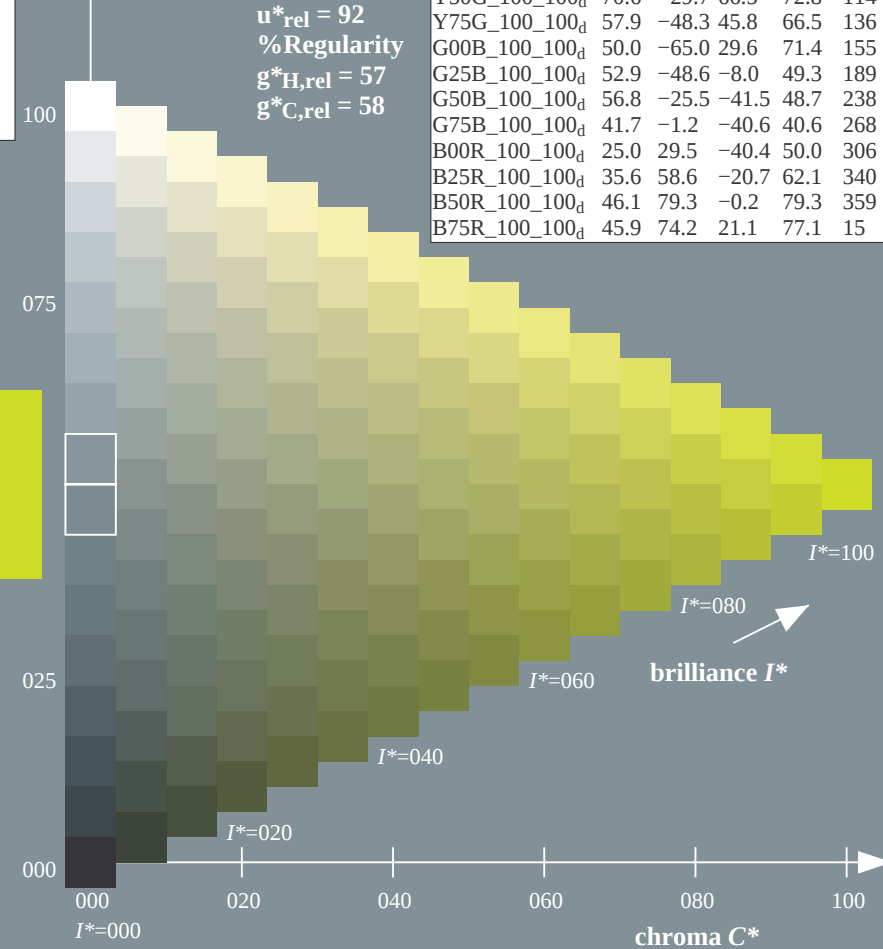
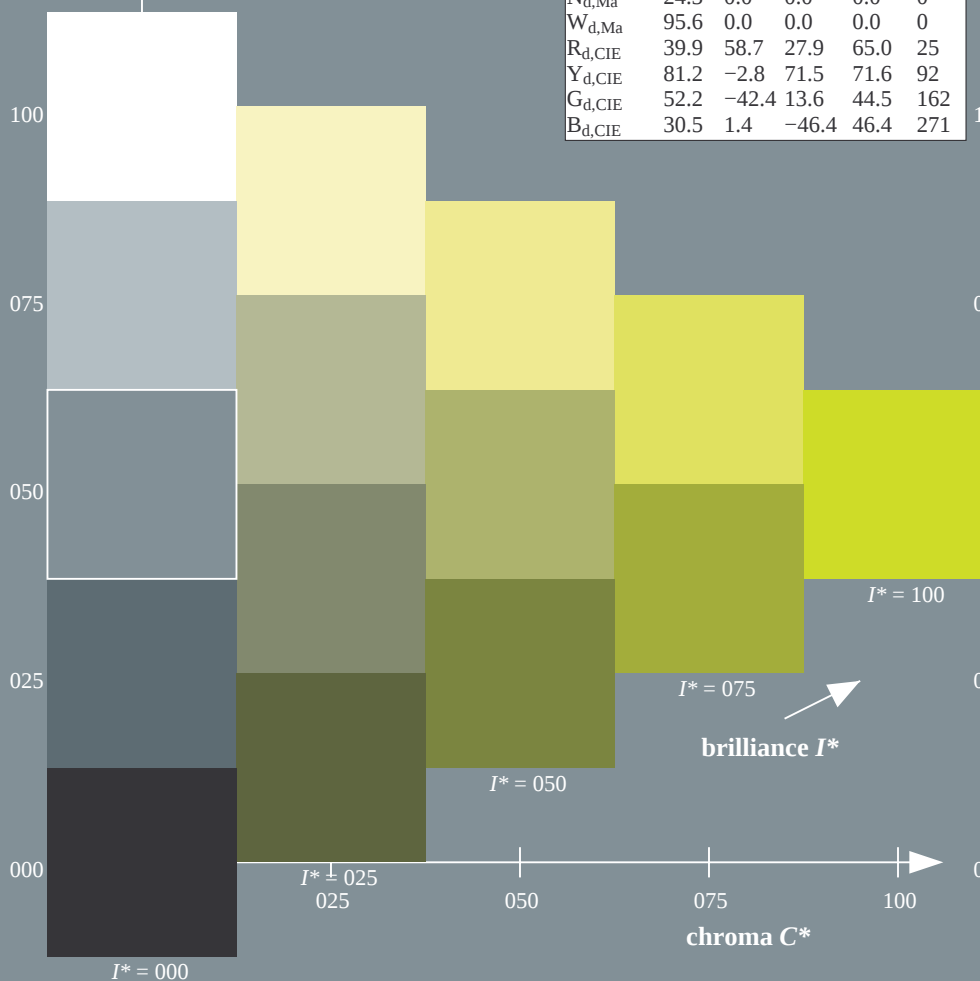
$u^*_{rel} = 92$

% 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_100d	45.4	70.9	44.8	83.9	32
R25Y_100_100d	53.0	53.4	54.8	76.5	45
R50Y_100_100d	64.9	28.9	68.6	74.5	67
R75Y_100_100d	78.6	4.3	84.7	84.8	87
Y00G_100_100d	87.8	-10.2	95.4	96.0	96
Y25G_100_100d	81.2	-17.0	84.3	86.0	101
Y50G_100_100d	70.6	-29.7	66.5	72.8	114
Y75G_100_100d	57.9	-48.3	45.8	66.5	136
G00B_100_100d	50.0	-65.0	29.6	71.4	155
G25B_100_100d	52.9	-48.6	-8.0	49.3	189
G50B_100_100d	56.8	-25.5	-41.5	48.7	238
G75B_100_100d	41.7	-1.2	-40.6	40.6	268
B00R_100_100d	25.0	29.5	-40.4	50.0	306
B25R_100_100d	35.6	58.6	-20.7	62.1	340
B50R_100_100d	46.1	79.3	-0.2	79.3	359
B75R_100_100d	45.9	74.2	21.1	77.1	15



TUB-test chart QE47; hue code: $H^*_d=Y25G_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

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

TUB registration: 20130201-QE47/QE47L0FP.PDF /.PS
application for measurement of offset print output, separation $cmY0^*$ (CMY0)

TUB material: code=rha4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 101/360 = 0.28$

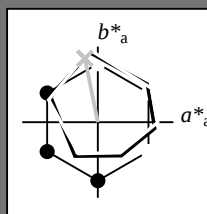
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours
of this page:

$H^*_d = Y25G_d$

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):

$LabCh^*_{d,Ma}$: 81 -17 84 86 101

$HIC^*_{d,Ma}$: Y25G_100_100d

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

0.76 1.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

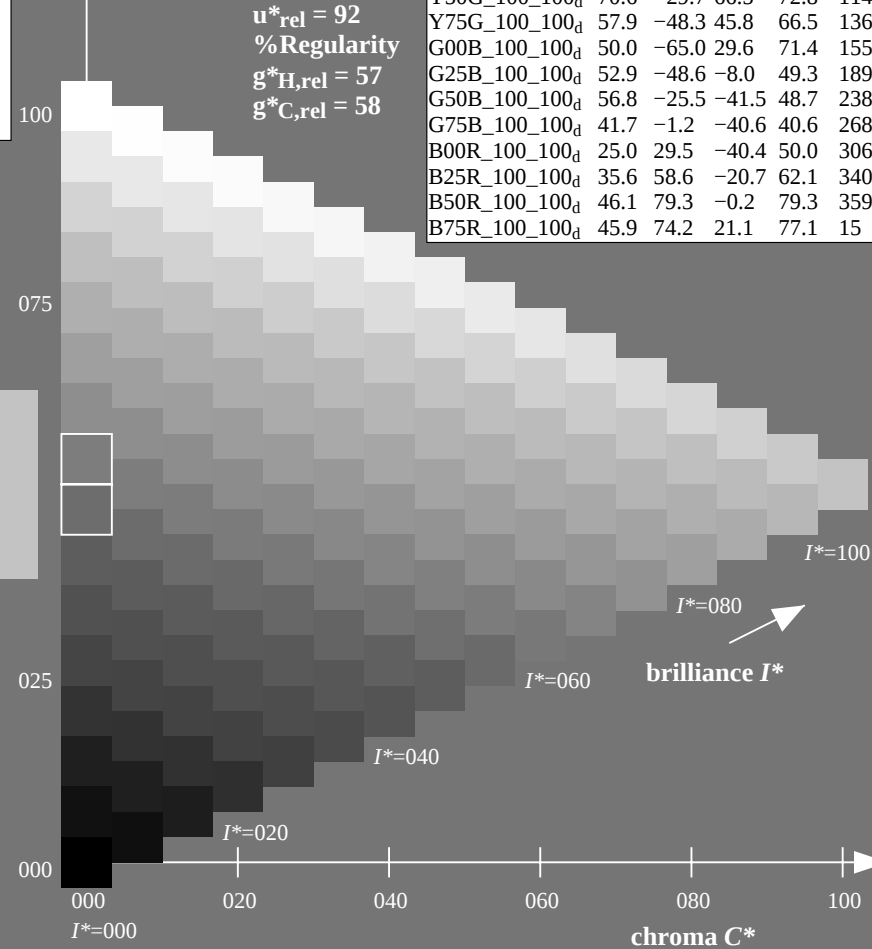
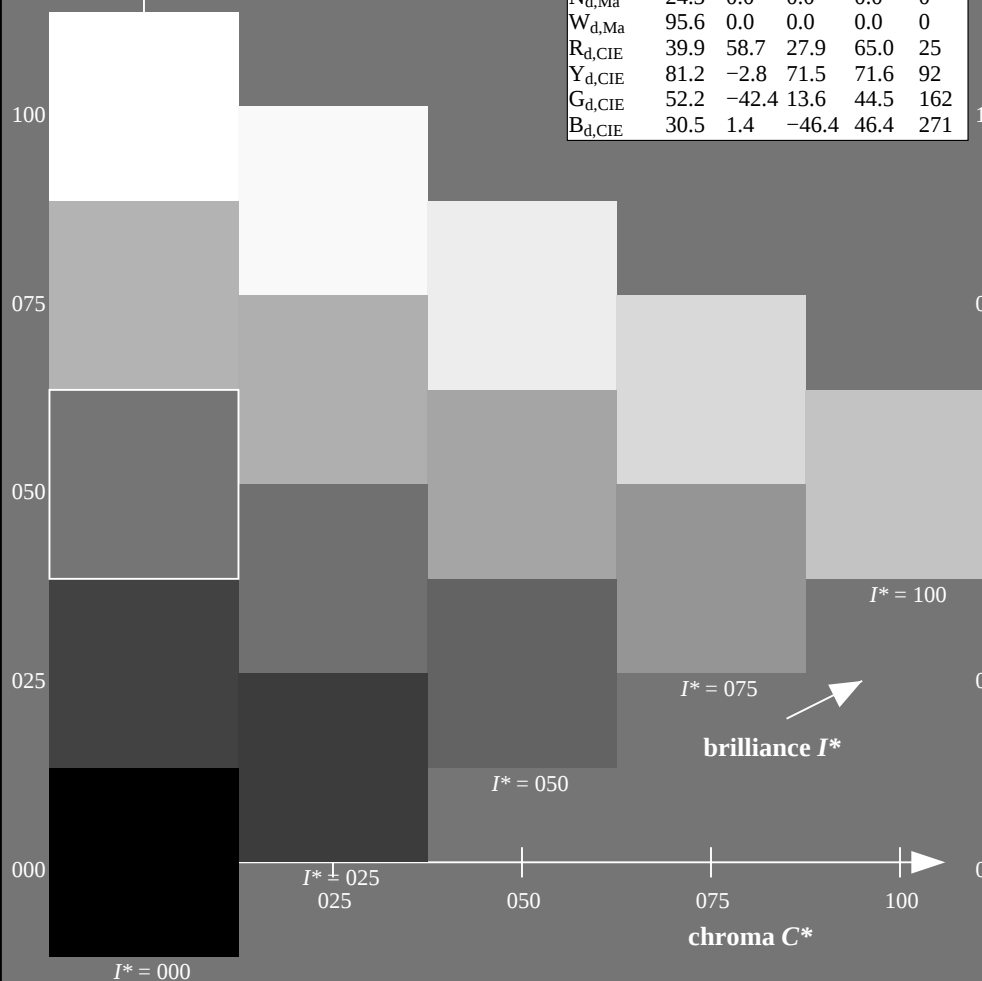
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100d	45.4	70.9	44.8	83.9	32
R25Y_100_100d	53.0	53.4	54.8	76.5	45
R50Y_100_100d	64.9	28.9	68.6	74.5	67
R75Y_100_100d	78.6	4.3	84.7	84.8	87
Y00G_100_100d	87.8	-10.2	95.4	96.0	96
Y25G_100_100d	81.2	-17.0	84.3	86.0	101
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B25R_100_100d	35.6	58.6	-20.7	62.1	340
B50R_100_100d	46.1	79.3	-0.2	79.3	359
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TUB-test chart QE47; hue code: $H^*_d=Y25G_d$
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 $h_{ab,a,rel} = h_{ab}/360 = 101/360 = 0.28$

$H^*_d = Y25G_d$

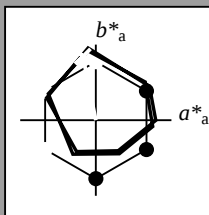
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HIC^*_d

hue text for the colours of this page:

$H^*_d = Y25G_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

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$W_{d,Ma}$	95.6	0.0	0.0	0.0	0
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Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 81 -17 84 86 101

$HIC^*_{d,Ma}$: Y25G_100_100d

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

0.76 1.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

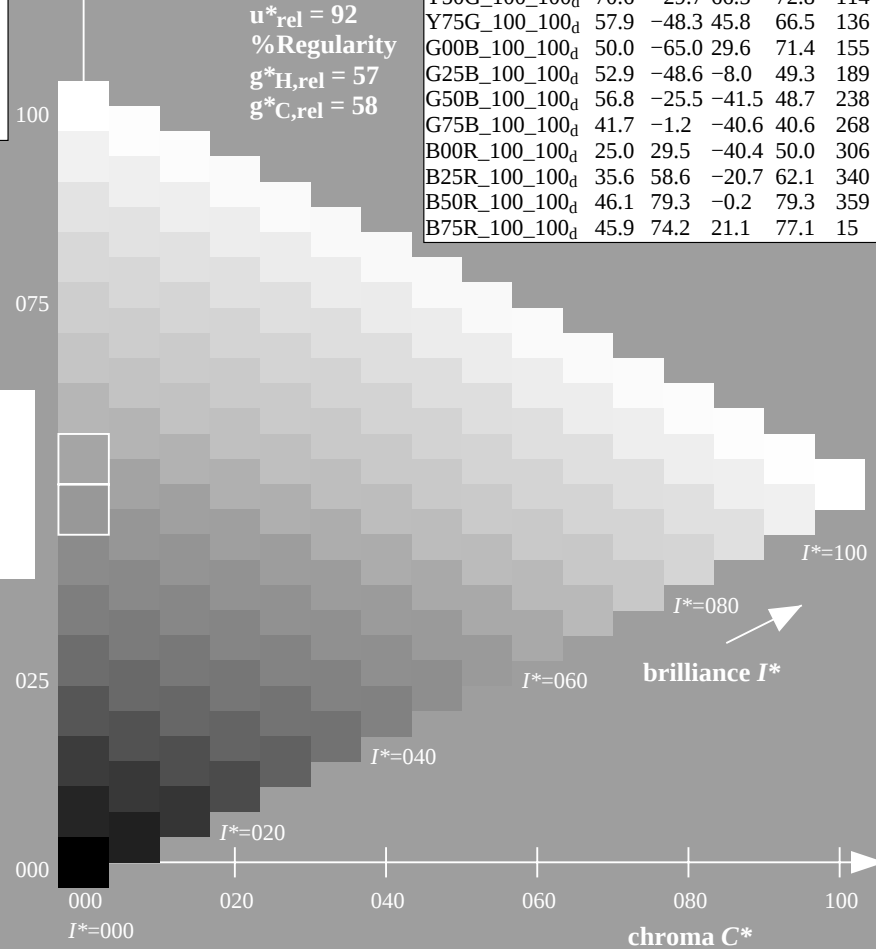
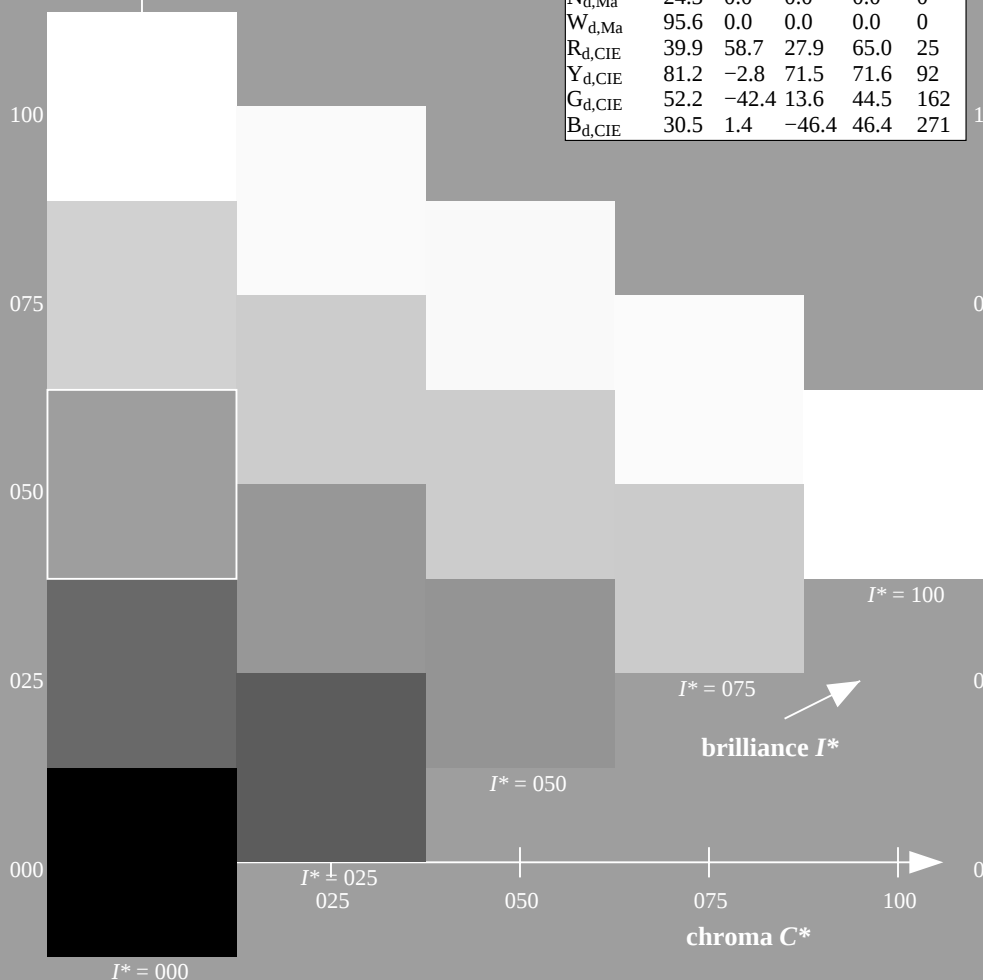
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TUB-test chart QE47; hue code: $H^*_d=Y25G_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmy0^*$

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

TUB registration: 20130201-QE47/QE47L0FP.PDF /.PS
application for measurement of offset print output, separation $cmy0^*$ (CMY0)

TUB material: code=rha4ta

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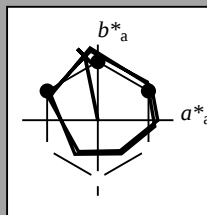
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triangle lightness T^*



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$HIC^*_{d,Ma}$: Y25G_100_100d

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

0.76 1.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

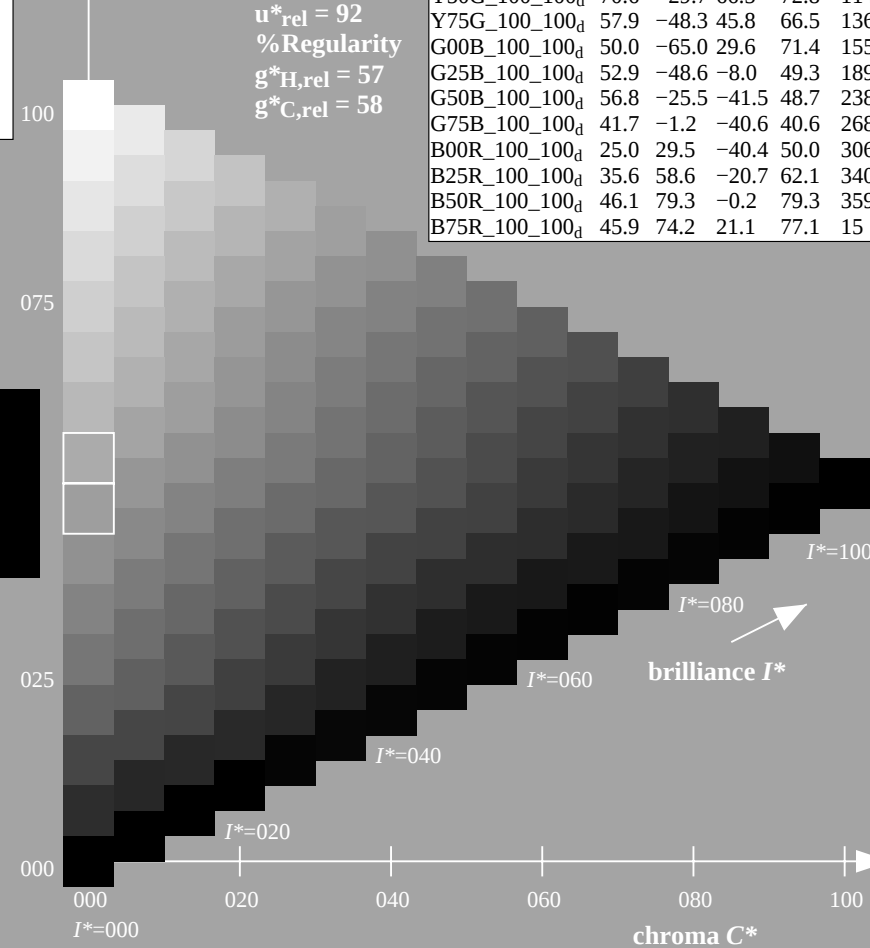
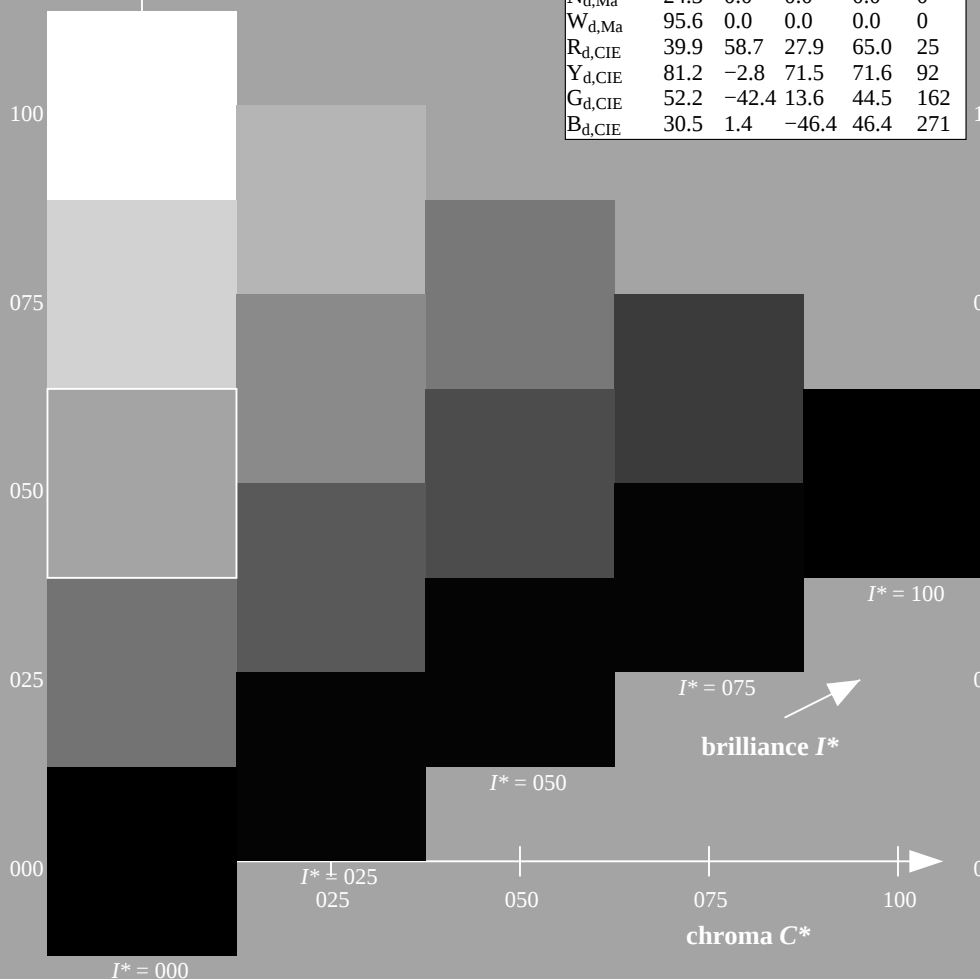
$u^*_{rel} = 92$

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R50Y_100_100d	64.9	28.9	68.6	74.5	67
R75Y_100_100d	78.6	4.3	84.7	84.8	87
Y00G_100_100d	87.8	-10.2	95.4	96.0	96
Y25G_100_100d	81.2	-17.0	84.3	86.0	101
Y50G_100_100d	70.6	-29.7	66.5	72.8	114
Y75G_100_100d	57.9	-48.3	45.8	66.5	136
G00B_100_100d	50.0	-65.0	29.6	71.4	155
G25B_100_100d	52.9	-48.6	-8.0	49.3	189
G50B_100_100d	56.8	-25.5	-41.5	48.7	238
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B00R_100_100d	25.0	29.5	-40.4	50.0	306
B25R_100_100d	35.6	58.6	-20.7	62.1	340
B50R_100_100d	46.1	79.3	-0.2	79.3	359
B75R_100_100d	45.9	74.2	21.1	77.1	15



TUB-test chart QE47; hue code: $H^*_d=Y25G_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

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

TUB registration: 20130201-QE47/QE47L0FP.PDF /.PS
application for measurement of offset print output, separation $cmY0^*$ (CMY0)

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/QE47/QE47L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization QE47/QE47LE30FP.DAT in file (F), page 6/33

see similar files: <http://130.149.60.45/~farbmetrik/QE47/QE47.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

1-103531-L0 QE470-72

TUB-test chart QE47; hue code: $H_d^* = Y25G_d$
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

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

C_s blue-green

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

B_s blue

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

R_s red

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

M_s blue-red

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

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

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

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

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

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

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

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

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

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

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

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

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

1-103631-L0 QE470-72 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

TUB-test chart QE47; hue code: $H^*_d=Y25G_d$
48 step hue circles; $rgb-LabCh^*$ -tables

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

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

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

The angles of the RGB colours (x=LabCh)										The angles of the RGB colours (x=LabCh)										The angles of the RGB colours (x=LabCh)										The angles of the RGB colours (x=LabCh)									
h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd64M	LAB* ddx64M (x=LabCh)	rgb* ddx361M	LAB* ddx361M (x=LabCh)	rgb* dsx361M	LAB* dsx361M (x=LabCh)	rgb* dex361M	LAB* dex361M	h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd64M	LAB* ddx64M (x=LabCh)	rgb* ddx361M	LAB* ddx361M (x=LabCh)	rgb* dsx361M	LAB* dsx361M (x=LabCh)	rgb* dex361M	LAB* dex361M	h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd64M	LAB* ddx64M (x=LabCh)	rgb* ddx361M	LAB* ddx361M (x=LabCh)	rgb* dsx361M	LAB* dsx361M (x=LabCh)	rgb* dex361M	LAB* dex361M							
32.3	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	0.117	0.0	48.7	63.4	49.1	80.2	37	1.0	0.1	0.0	48.2	64.5	48.6	80.7	37	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	0.25	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	0.367	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	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	0.25	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	135	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	0.133	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.																

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^*_{dd64M}	$x=LabCh$	$rgb^*_{dex361M}$	$LAB^*_{dex361M}$	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
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1
46.8	45.0	42.1	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2
92.1	82.5	83.9	1.0	0.875	0.0	83.4	-3.4	90.2	90.2	92.1
96.1	90.0	92.3	1.0	1.0	0.0	87.8	-10.2	95.4	96.0	96.1
98.8	97.5	101.0	0.875	1.0	0.0	84.3	-13.9	89.2	90.3	98.8
101.8	105.0	109.7	0.75	1.0	0.0	80.7	-17.5	83.5	85.3	101.8
107.6	112.5	118.5	0.625	1.0	0.0	75.3	-24.0	75.7	79.4	107.6
114.0	120.0	127.2	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114.0
121.4	127.5	136.0	0.375	1.0	0.0	65.7	-35.6	58.3	68.3	121.4
135.3	135.0	144.7	0.25	1.0	0.0	58.4	-47.3	46.8	66.6	135.3
144.4	142.5	153.4	0.125	1.0	0.0	54.7	-53.9	38.5	66.3	144.4
155.5	150.0	162.2	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	155.5
160.7	157.5	169.0	0.0	1.0	0.125	50.5	-62.8	21.9	66.5	160.7
167.7	165.0	175.9	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167.7
176.7	172.5	182.7	0.0	1.0	0.375	52.0	-54.5	3.1	54.6	176.7
189.3	180.0	189.6	0.0	1.0	0.5	52.9	-48.6	-8.0	49.3	189.3
203.2	187.5	196.4	0.0	1.0	0.625	54.0	-42.3	-18.1	46.1	203.2
217.2	195.0	203.2	0.0	1.0	0.75	55.0	-36.0	-27.4	45.3	217.2
228.3	202.5	210.1	0.0	1.0	0.875	55.8	-30.7	-34.5	46.2	228.3
238.4	210.0	216.9	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	238.4
242.9	217.5	223.8	0.0	0.875	1.0	54.1	-21.1	-41.3	46.4	242.9
249.3	225.0	230.6	0.0	0.75	1.0	50.4	-15.5	-41.1	43.9	249.3
256.9	232.5	237.5	0.0	0.625	1.0	46.5	-9.4	-40.8	41.9	256.9
268.2	240.0	244.3	0.0	0.5	1.0	41.7	-1.2	-40.6	40.6	268.2
278.6	247.5	251.2	0.0	0.375	1.0	37.3	6.1	-40.2	40.7	278.6
289.6	255.0	258.0	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289.6
299.0	262.5	264.8	0.0	0.125	1.0	28.6	22.4	-40.2	46.1	299.0
306.2	270.0	271.7	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2
314.7	277.5	278.8	0.125	0.0	1.0	27.9	36.0	-36.4	51.2	314.7
322.1	285.0	285.9	0.25	0.0	1.0	28.8	41.9	-32.5	53.1	322.1
333.3	292.5	293.0	0.375	0.0	1.0	32.7	51.8	-26.0	58.0	333.3
340.5	300.0	300.1	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340.5
347.9	307.5	307.2	0.625	0.0	1.0	38.1	65.4	-14.0	66.9	347.9
352.5	315.0	314.3	0.75	0.0	1.0	41.8	71.0	-9.2	71.6	352.5
356.1	322.5	321.4	0.875	0.0	1.0	44.2	75.2	-5.0	75.3	356.1
359.8	330.0	328.6	1.0	0.0	1.0	46.1	79.3	-0.2	79.3	359.8
363.0	337.5	335.7	1.0	0.0	0.875	45.9	78.2	4.1	78.3	363.0
366.4	345.0	342.8	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366.4
371.1	352.5	349.9	1.0	0.0	0.625	46.0	75.6	14.8	77.0	371.1
375.9	360.0	357.0	1.0	0.0	0.5	45.9	74.2	21.1	77.1	375.9
381.2	367.5	364.1	1.0	0.0	0.375	45.8	72.9	28.3	78.3	381.2
385.6	375.0	371.2	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385.6
389.3	382.5	378.3	1.0	0.0	0.125	45.5	71.4	40.1	81.9	389.3
392.3	390.0	385.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	392.3

1-103831-L0

QE470-72

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 QE47; hue code: $H^*_d=Y25G_d$
48 step hue circles; $rgb-LabCh^*$ tables

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

TUB registration: 20130201-QE47/QE47L0FP.PDF /.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: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Six hue angles of the device colours <i>RYGCBM</i> _d : <i>h</i> _{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours <i>RYGCBM</i> _e : <i>h</i> _{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																																									
<i>h</i> _{ab,d}	<i>h</i> _{ab,s}	<i>h</i> _{ab,e}	<i>rgb</i> [*] _{dd361M}			<i>LAB</i> [*] _{ddx361Mi} (<i>x</i> =LabCh)					<i>R</i> _d	<i>rgb</i> [*] _{ds361Mi}			<i>LAB</i> [*] _{dsx361Mi} (<i>x</i> =LabCh)					<i>R</i> _s	<i>rgb</i> [*] _{dd361Mi}			<i>rgb</i> [*] _{de361Mi}					<i>LAB</i> [*] _{dex361Mi} (<i>x</i> =LabCh)					<i>R</i> _e	<i>rgb</i> [*] _{dd361Mi}			<i>rgb</i> [*] _{da}	<i>rgb</i> [*] _{ds}	<i>rgb</i> [*] _{de}	
32	30	25	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32	1.0	0.0	0.0	0.096	45.5	71.4	41.2	82.4	30	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.255	45.7	72.2	34.4	80.0	25	1.0	0.0	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	0.0	0.055	45.5	71.2	42.8	83.1	31	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.218	45.6	72.0	36.1	80.6	26	1.0	0.0	0.0	0.0				
33	32	27	1.0	0.033	0.0	46.3	68.8	46.1	82.8	33	1.0	0.0	0.0	0.013	45.5	71.0	44.4	83.7	32	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.18	45.6	71.8	37.7	81.1	27	1.0	0.0	0.0	0.0				
34	33	28	1.0	0.05	0.0	46.8	67.7	46.8	82.3	34	1.0	0.0	0.0	0.015	0.0	45.9	70.0	45.5	83.5	33	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.142	45.6	71.6	39.4	81.7	28	1.0	0.0	0.0	0.0				
35	34	29	1.0	0.066	0.0	47.3	66.6	47.4	81.8	35	1.0	0.0	0.0	0.036	0.0	46.5	68.6	46.3	82.8	34	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.099	45.5	71.4	41.1	82.4	29	1.0	0.0	0.0	0.0				
36	35	31	1.0	0.083	0.0	47.7	65.5	48.0	81.2	36	1.0	0.0	0.0	0.057	0.0	47.1	67.3	47.1	82.1	35	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.053	45.5	71.2	42.9	83.1	31	1.0	0.0	0.0	0.0				
36	36	32	1.0	0.1	0.0	48.2	64.4	48.5	80.7	36	1.0	0.0	0.0	0.079	0.0	47.6	65.9	47.9	81.4	36	1.0	0.1	0.0	1.0	0.0	0.0	0.0	0.006	45.5	71.0	44.6	83.8	32	1.0	0.1	0.0	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	0.0	0.0	48.2	64.5	48.6	80.7	37	1.0	0.117	0.0	1.0	0.0	0.0	0.0	0.021	0.0	46.0	69.6	45.7	83.3	33	1.0	0.117	0.0	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	0.0	0.0	48.8	63.1	49.3	80.1	38	1.0	0.133	0.0	1.0	0.0	0.0	0.0	0.044	0.0	46.7	68.1	46.6	82.5	34	1.0	0.133	0.0	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	0.0	0.0	49.4	61.8	50.1	79.6	39	1.0	0.15	0.0	1.0	0.0	0.0	0.0	0.068	0.0	47.4	66.6	47.5	81.8	35	1.0	0.15	0.0	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	0.0	0.0	49.9	60.6	50.9	79.1	40	1.0	0.167	0.0	1.0	0.0	0.0	0.0	0.092	0.0	48.0	65.0	48.3	81.0	36	1.0	0.167	0.0	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	0.0	0.0	50.5	59.4	51.6	78.7	41	1.0	0.183	0.0	1.0	0.0	0.0	0.0	0.116	0.0	48.7	63.5	49.1	80.2	37	1.0	0.183	0.0	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	0.0	0.0	51.0	58.1	52.3	78.2	42	1.0	0.2	0.0	1.0	0.0	0.0	0.0	0.135	0.0	49.3	62.0	49.9	79.6	38	1.0	0.2	0.0	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	0.0	0.0	51.6	56.9	53.0	77.8	43	1.0	0.217	0.0	1.0	0.0	0.0	0.0	0.151	0.0	49.9	60.7	50.8	79.1	39	1.0	0.217	0.0	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	0.0	0.0	52.1	55.6	53.7	77.3	44	1.0	0.233	0.0	1.0	0.0	0.0	0.0	0.167	0.0	50.5	59.3	51.7	78.6	41	1.0	0.233	0.0	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	0.0	0.0	52.7	54.4	54.4	76.9	45	1.0	0.25	0.0	1.0	0.0	0.0	0.0	0.183	0.0	51.1	57.9	52.5	78.1	42	1.0	0.25	0.0	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	0.0	0.0	53.2	53.1	55.0	76.4	46	1.0	0.267	0.0	1.0	0.0	0.0	0.0	0.198	0.0	51.7	56.5	53.2	77.6	43	1.0	0.267	0.0	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	0.0	0.0	53.7	51.8	55.6	76.0	47	1.0	0.283	0.0	1.0	0.0	0.0	0.0	0.214	0.0	52.3	55.1	54.0	77.1	44	1.0	0.283	0.0	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	0.0	0.0	54.3	50.7	56.3	75.8	48	1.0	0.3	0.0	1.0	0.0	0.0	0.0	0.23	0.0	52.9	53.7	54.7	76.6	45	1.0	0.3	0.0	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	0.0	0.0	54.8	49.6	57.1	75.6	49	1.0	0.317	0.0	1.0	0.0	0.0	0.0	0.246	0.0	53.5	52.3	55.4	76.1	46	1.0	0.317	0.0	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	0.0	0.0	55.4	48.5	57.8	75.4	50	1.0	0.333	0.0	1.0	0.0	0.0	0.0	0.261	0.0	54.2	51.0	56.2	75.9	47	1.0	0.333	0.0	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	0.0	0.0	55.9	47.3	58.5	75.2	51	1.0	0.35	0.0	1.0	0.0	0.0	0.0	0.274	0.0	54.8	49.8	57.0	75.6	48	1.0	0.35	0.0	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	0.0	0.0	56.5	46.2	59.1	75.0	52	1.0	0.367	0.0	1.0	0.0	0.0	0.0	0.288	0.0	55.4	48.5	57.8	75.4	49	1.0	0.367	0.0	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	0.0	0.0	57.0	45.0	59.8	74.8	53	1.0	0.383	0.0	1.0	0.0	0.0	0.0	0.302	0.0	56.0	47.2	58.5	75.2	51	1.0	0.383	0.0	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	0.0	0.0	57.6	43.9	60.4	74.6	54	1.0	0.4	0.0	1.0	0.0	0.0	0.0	0.316	0.0	56.6	45.9	59.3	75.0	52	1.0	0.4	0.0	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	0.0	0.0	58.1	42.7	61.0	74.4	55	1.0	0.417	0.0	1.0	0.0	0.0	0.0	0.33	0.0	57.2	44.6	60.0	74.8	53	1.0	0.417	0.0	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	0.0	0.0	58.6	41.5	61.5	74.2	56	1.0	0.433	0.0	1.0	0.0	0.0	0.0	0.343	0.0	57.8	43.3	60.6	74.5	54	1.0	0.433	0.0	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	0.0	0.0	59.2	40.3	62.1	74.0	57	1.0	0.45	0.0	1.0	0.0	0.0	0.0	0.357	0.0	58.4	42.0	61.3	74.3	55	1.0	0.45	0.0	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	0.0	0.0	59.8	39.3	62.8	74.1	58	1.0	0.467	0.0	1.0	0.0	0.0	0.0	0.371	0.0	59.0	40.7	61.9	74.1	56	1.0	0.467	0.0	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	0.0	0.0	60.3	38.2	63.5	74.1	59	1.0	0.483	0.0	1.0	0.0	0.0	0.0	0.385	0.0	59.6	39.5	62.7	74.1	57	1.0	0.483	0.0	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	0.0	0.0	60.9	37.1	64.2	74.2	60	1.0	0.5	0.0	1.0	0.0	0.0	0.0	0.398	0.0	60.3	38.3	63.5	74.1	58	1.0	0.5	0.0	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	0.0	0.0	61.4	36.0	64.9	74.2	61	1.0	0.517	0.0	1.0	0.0	0.0	0.0	0.412	0.0	60.9	37.1	64.2	74.2	60	1.0	0.517	0.0	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	0.0	0.0	62.0	34.9	65.6	74.3	62	1.0	0.533	0.0	1.0	0.0	0.0	0.0	0.426	0.0	61.5	35.8	65.0	74.2	61	1.0	0.533	0.0	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	0.0	0.0	62.6	33.7	66.2	74.3	63	1.0	0.55	0.0	1.0	0.0	0.0	0.0	0.439	0.0	62.1	34.6	65.7	74.3	62	1.0	0.55	0.0	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	0.0	0.0	63.1	32.6	66.9	74.4	64	1.0	0.567	0.0	1.0	0.0	0.0	0.0	0.453													

1-103931-L0

QE470-72

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 QE47; hue code: H*d=Y25Gd
48 step hue circles; $rgb-LabCh$ *tables

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

1-103931-F0

TUB registration: 20130201-QE47/QE47L0FP.PDF /.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}	$LAB^*_{ds361Mi}$	$LAB^*_{dsx361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{ds361Mi}$	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}
86	75	75	1.0 0.75 0.0	77.9 5.4 83.8	84.0 86	1.0 0.585 0.0	69.8 20.0 74.7	77.4 75	1.0 0.75 0.0	1.0 0.592 0.0	70.2 19.3 75.2	77.6 75	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 0.596 0.0	70.5 18.8 75.4	77.7 76	1.0 0.767 0.0	1.0 0.604 0.0	70.9 17.9 75.9	78.0 76	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 0.607 0.0	71.1 17.6 76.1	78.1 77	1.0 0.783 0.0	1.0 0.616 0.0	71.6 16.5 76.6	78.4 77	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 0.618 0.0	71.7 16.3 76.7	78.5 78	1.0 0.8 0.0	1.0 0.63 0.0	72.4 15.1 77.4	78.9 78	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 0.631 0.0	72.4 15.1 77.5	78.9 79	1.0 0.817 0.0	1.0 0.648 0.0	73.2 13.8 78.5	79.7 80	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 0.647 0.0	73.2 13.8 78.4	79.6 80	1.0 0.833 0.0	1.0 0.667 0.0	74.1 12.3 79.5	80.5 81	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 0.664 0.0	73.9 12.6 79.4	80.4 81	1.0 0.85 0.0	1.0 0.685 0.0	74.9 10.9 80.5	81.3 82	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 0.68 0.0	74.7 11.3 80.3	81.1 82	1.0 0.867 0.0	1.0 0.703 0.0	75.8 9.4 81.5	82.0 83	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 0.697 0.0	75.5 10.0 81.2	81.8 83	1.0 0.883 0.0	1.0 0.721 0.0	76.6 7.9 82.4	82.8 84	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 0.713 0.0	76.2 8.6 82.0	82.5 84	1.0 0.9 0.0	1.0 0.74 0.0	77.5 6.4 83.4	83.6 85	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 0.729 0.0	77.0 7.2 82.9	83.2 85	1.0 0.917 0.0	1.0 0.76 0.0	78.4 4.8 84.4	84.6 86	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 0.746 0.0	77.7 5.9 83.7	83.9 86	1.0 0.933 0.0	1.0 0.784 0.0	79.4 3.2 85.7	85.7 87	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 0.766 0.0	78.6 4.4 84.7	84.8 87	1.0 0.95 0.0	1.0 0.807 0.0	80.5 1.6 86.9	86.9 88	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 0.787 0.0	79.6 3.0 85.8	85.9 88	1.0 0.967 0.0	1.0 0.831 0.0	81.5 0.0 88.1	88.1 90	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 0.808 0.0	80.5 1.5 86.9	86.9 89	1.0 0.983 0.0	1.0 0.854 0.0	82.6 -1.8 89.2	89.3 91	1.0 0.983 0.0	
96	90	92	1.0 1.0 0.0	87.8 -10.2 95.4	96.0 96	Y_d 1.0 0.829 0.0	81.4 0.0 88.0	88.0 90	Y_s 1.0 1.0 0.0	1.0 0.879 0.0	83.6 -3.6 90.4	90.5 92	Y_e 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 0.85 0.0	82.4 -1.5 89.0	89.0 91	0.983 1.0 0.0	1.0 0.916 0.0	84.9 -5.5 92.0	92.2 93	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 0.871 0.0	83.3 -3.0 90.0	90.1 92	0.967 1.0 0.0	1.0 0.953 0.0	86.2 -7.5 93.6	93.9 94	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 0.901 0.0	84.4 -4.7 91.4	91.5 93	0.95 1.0 0.0	1.0 0.99 0.0	87.5 -9.6 95.1	95.6 95	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 0.0	85.5 -6.4 92.7	93.0 94	0.933 1.0 0.0	0.961 1.0 0.0	86.7 -11.3 93.6	94.3 96	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 0.965 0.0	86.6 -8.1 94.1	94.4 95	0.917 1.0 0.0	0.907 1.0 0.0	85.3 -12.9 90.9	91.8 98	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 0.997 0.0	87.7 -9.9 95.4	95.9 96	0.9 1.0 0.0	0.856 1.0 0.0	83.8 -14.4 88.4	89.6 99	0.9 1.0 0.0	
98	97	100	0.883 1.0 0.0	84.5 -13.6 89.7	90.7 98	0.959 1.0 0.0	86.7 -11.4 93.5	94.2 97	0.883 1.0 0.0	0.807 1.0 0.0	82.4 -15.8 86.2	87.7 100	0.883 1.0 0.0	
99	98	101	0.866 1.0 0.0	84.1 -14.1 88.9	90.0 99	0.914 1.0 0.0	85.4 -12.7 91.2	92.1 98	0.867 1.0 0.0	0.759 1.0 0.0	81.0 -17.2 84.0	85.7 101	0.867 1.0 0.0	
99	99	102	0.85 1.0 0.0	83.6 -14.6 88.1	89.3 99	0.869 1.0 0.0	84.2 -14.0 89.0	90.1 99	0.85 1.0 0.0	0.729 1.0 0.0	79.9 -18.6 82.3	84.4 102	0.85 1.0 0.0	
99	100	103	0.833 1.0 0.0	83.1 -15.1 87.4	88.7 99	0.827 1.0 0.0	83.0 -15.3 87.1	88.5 100	0.833 1.0 0.0	0.704 1.0 0.0	78.8 -20.0 80.8	83.2 103	0.833 1.0 0.0	
100	101	105	0.816 1.0 0.0	82.6 -15.6 86.6	88.0 100	0.785 1.0 0.0	81.8 -16.5 85.2	86.8 101	0.817 1.0 0.0	0.679 1.0 0.0	77.7 -21.3 79.2	82.0 105	0.817 1.0 0.0	
100	102	106	0.8 1.0 0.0	82.2 -16.1 85.8	87.3 100	0.747 1.0 0.0	80.6 -17.6 83.4	85.2 102	0.8 1.0 0.0	0.654 1.0 0.0	76.6 -22.6 77.6	80.8 106	0.8 1.0 0.0	
101	103	107	0.783 1.0 0.0	81.7 -16.6 85.1	86.7 101	0.725 1.0 0.0	79.7 -18.8 82.0	84.2 103	0.783 1.0 0.0	0.628 1.0 0.0	75.5 -23.8 76.0	79.6 107	0.783 1.0 0.0	
101	104	108	0.766 1.0 0.0	81.2 -17.0 84.3	86.0 101	0.703 1.0 0.0	78.7 -20.0 80.7	83.2 104	0.767 1.0 0.0	0.605 1.0 0.0	74.6 -25.0 74.3	78.4 108	0.767 1.0 0.0	
101	105	109	0.75 1.0 0.0	80.7 -17.5 83.5	85.3 101	0.682 1.0 0.0	77.8 -21.2 79.4	82.2 105	0.75 1.0 0.0	0.583 1.0 0.0	73.7 -26.1 72.7	77.3 109	0.75 1.0 0.0	
102	106	110	0.733 1.0 0.0	80.0 -18.4 82.5	84.6 102	0.66 1.0 0.0	76.8 -22.3 78.0	81.1 106	0.733 1.0 0.0	0.56 1.0 0.0	72.9 -27.1 71.0	76.1 110	0.733 1.0 0.0	
103	107	112	0.716 1.0 0.0	79.3 -19.3 81.5	83.8 103	0.638 1.0 0.0	75.9 -23.3 76.6	80.1 107	0.717 1.0 0.0	0.538 1.0 0.0	72.0 -28.1 69.3	74.9 112	0.717 1.0 0.0	
104	108	113	0.7 1.0 0.0	78.5 -20.2 80.5	83.0 104	0.617 1.0 0.0	75.0 -24.3 75.2	79.1 108	0.7 1.0 0.0	0.515 1.0 0.0	71.2 -29.0 67.7	73.7 113	0.7 1.0 0.0	
104	109	114	0.683 1.0 0.0	77.8 -21.1 79.4	82.2 104	0.598 1.0 0.0	74.3 -25.3 73.8	78.1 109	0.683 1.0 0.0	0.494 1.0 0.0	70.4 -30.0 66.1	72.6 114	0.683 1.0 0.0	
105	110	115	0.666 1.0 0.0	77.1 -22.0 78.4	81.4 105	0.579 1.0 0.0	73.6 -26.2 72.4	77.0 110	0.667 1.0 0.0	0.474 1.0 0.0	69.6 -31.0 64.8	71.9 115	0.667 1.0 0.0	
106	111	116	0.65 1.0 0.0	76.4 -22.8 77.3	80.6 106	0.559 1.0 0.0	72.9 -27.1 71.0	76.0 111	0.65 1.0 0.0	0.454 1.0 0.0	68.8 -32.0 63.5	71.2 116	0.65 1.0 0.0	
107	112	117	0.633 1.0 0.0	75.6 -23.6 76.2	79.8 107	0.54 1.0 0.0	72.1 -28.0 69.5	75.0 112	0.633 1.0 0.0	0.434 1.0 0.0	68.0 -32.9 62.2	70.5 117	0.633 1.0 0.0	
108	113	119	0.616 1.0 0.0	75.0 -24.4 75.1	79.0 108	0.521 1.0 0.0	71.4 -28.8 68.1	74.0 113	0.617 1.0 0.0	0.414 1.0 0.0	67.3 -33.8 60.9	69.7 119	0.617 1.0 0.0	
108	114	120	0.6 1.0 0.0	74.3 -25.3 73.9	78.1 108	0.501 1.0 0.0	70.7 -29.6 66.6	72.9 114	0.6 1.0 0.0	0.394 1.0 0.0	66.5 -34.7 59.6	69.0 120	0.6 1.0 0.0	
109	115	121	0.583 1.0 0.0	73.7 -26.1 72.7	77.2 109	0.484 1.0 0.0	70.0 -30.4 65.5	72.3 115	0.583 1.0 0.0	0.375 1.0 0.0	65.7 -35.5 58.3	68.3 121	0.583 1.0 0.0	
110	116	122	0.566 1.0 0.0	73.1 -26.9 71.4	76.3 110	0.467 1.0 0.0	69.3 -31.3 64.4	71.7 116	0.567 1.0 0.0	0.364 1.0 0.0	65.1 -36.6 57.4	68.2 122	0.567 1.0 0.0	
111	117	123	0.55 1.0 0.0	72.4 -27.6 70.2	75.5 111	0.45 1.0 0.0	68.7 -32.2 63.3	71.0 117	0.55 1.0 0.0	0.354 1.0 0.0	64.5 -37.7 56.6	68.0 123	0.55 1.0 0.0	
112	118	124	0.533 1.0 0.0	71.8 -28.3 69.0	74.6 112	0.433 1.0 0.0	68.0 -33.0 62.2	70.4 118	0.533 1.0 0.0	0.343 1.0 0.0	63.9 -38.8 55.7	67.9 124	0.533 1.0 0.0	
113	119	126	0.516 1.0 0.0	71.2 -29.0 67.7	73.7 113	0.416 1.0 0.0	67.3 -33.7 61.1	69.8 119	0.517 1.0 0.0	0.333 1.0 0.0	63.3 -39.8 54.7	67.8 126	0.517 1.0 0.0	
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	

1-1031031-L0 QE470-72 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 QE47; hue code: $H^*_d=Y25G_d$
48 step hue circles; $rgb-LabCh^*$ tables

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

TUB registration: 20130201-QE47/QE47L0FP.PDF /.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 $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Angles of the three colour RGB colour space (x=LabCh)										Angles of the elementary colours (x=LabCh)										Angles of the elementary colours (x=LabCh)										Angles of the elementary colours (x=LabCh)									
h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* _{dd361Mi}	LAB* _{dd361Mi}	rgb* _{ds361Mi}	LAB* _{ds361Mi}	rgb* _{dd361Mi}	LAB* _{de361Mi}	rgb* _{de361Mi}	LAB* _{de361Mi}	rgb* _{dd361Mi}	LAB* _{de361Mi}	rgb* _{de361Mi}	LAB* _{de361Mi}	rgb* _{dd361Mi}	LAB* _{de361Mi}	rgb* _{ds361Mi}	LAB* _{ds361Mi}	rgb* _{ds361Mi}	LAB* _{ds361Mi}	rgb* _{ds361Mi}	LAB* _{ds361Mi}	rgb* _{ds361Mi}	LAB* _{ds361Mi}	rgb* _{ds361Mi}	LAB* _{ds361Mi}	rgb* _{ds361Mi}	LAB* _{ds361Mi}	rgb* _{ds361Mi}	LAB* _{ds361Mi}									
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																	

1-1031231-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 $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Angles of the basic colours (RGB, Lab, L*a*b*, 1960s, 1931, 1964, 1976, 2012, 2015, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2065, 2066, 2068, 2069, 2071, 2072, 2073, 2075, 2076, 2077, 2079, 2080, 2082, 2083, 2085, 2086, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2165, 2166, 2168, 2169, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2265, 2266, 2268, 2269, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2365, 2366, 2368, 2369, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2465, 2466, 2468, 2469, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2615, 2616, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2665, 2666, 2668, 2669, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2742, 2743, 2744, 2745, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2762, 2763, 2765, 2766, 2768, 2769, 2771, 2772, 2773, 2774, 2775, 2776, 2777, 2778, 2779, 2780, 2781, 2782, 2783, 2784, 2785, 2786, 2787, 2788, 2789, 2790, 2791, 2792, 2793, 2794, 2795, 2796, 2797, 2798, 2799, 2800, 2801, 2802, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2881, 2882, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894, 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 2903, 2904, 2905, 2906, 2907, 2908, 2909, 2910, 2911, 2912, 2913, 2914, 2915, 2916, 2917, 2918, 2919, 2920, 2921, 2922, 2923, 2924, 2925, 2926, 2927, 2928, 2929, 2930, 2931, 2932, 2933, 2934, 2935, 2936, 2937, 2938, 2939, 2940, 2941, 2942, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2961, 2962, 2963, 2965, 2966, 2968, 2969, 2971, 2972, 2973, 2974, 2975, 2976, 2977, 2978, 2979, 2980, 2981, 2982, 2983, 2984, 2985, 2986, 2987, 2988, 2989, 2990, 2991, 2992, 2993, 2994, 2995, 2996, 2997, 2998, 2999, 3000										$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi}(x=LabCh)$	C_d	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	$210C_s$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	$216C_e$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}							
238	210	216	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	238	0.0	1.0	0.685	54.5	-39.5	-22.8	45.7	210	0.0	1.0	1.0	0.0	1.0	0.747	55.0	-36.1	-27.2	45.3	216	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	2																															

1-1031331-L0 QE470-72 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 QE47; hue code: $H^*_d=Y25G_d$
48 step hue circles; $rgb-LabCh$ *tables

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

TUB registration: 20130201-QE47/QE47L0FP.PDF /.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: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

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}	$LAB^*_{dd361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$																							
289	255	258	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289	0.0	0.657	1.0	47.5	-10.9	-40.9	42.5	255	0.0	0.25	1.0	0.0	0.613	1.0	46.1	-8.6	-40.8	41.9	258	0.0	0.25	1.0	
290	256	258	0.0	0.233	1.0	32.2	15.3	-40.3	43.1	290	0.0	0.641	1.0	47.0	-10.1	-40.9	42.2	256	0.0	0.233	1.0	0.0	0.603	1.0	45.7	-7.9	-40.9	41.7	258	0.0	0.233	1.0	
292	257	259	0.0	0.216	1.0	31.7	16.4	-40.3	43.6	292	0.0	0.624	1.0	46.5	-9.3	-40.8	42.0	257	0.0	0.217	1.0	0.0	0.593	1.0	45.3	-7.2	-40.9	41.6	259	0.0	0.217	1.0	
293	258	260	0.0	0.2	1.0	31.1	17.5	-40.4	44.0	293	0.0	0.613	1.0	46.1	-8.6	-40.8	41.9	258	0.0	0.2	1.0	0.0	0.583	1.0	44.9	-6.6	-40.9	41.5	260	0.0	0.2	1.0	
294	259	261	0.0	0.183	1.0	30.6	18.5	-40.4	44.5	294	0.0	0.602	1.0	45.7	-7.9	-40.9	41.7	259	0.0	0.183	1.0	0.0	0.573	1.0	44.5	-5.9	-40.9	41.4	261	0.0	0.183	1.0	
295	260	262	0.0	0.166	1.0	30.0	19.6	-40.4	44.9	295	0.0	0.591	1.0	45.3	-7.1	-40.9	41.6	260	0.0	0.167	1.0	0.0	0.562	1.0	44.1	-5.2	-40.9	41.3	262	0.0	0.167	1.0	
297	261	263	0.0	0.15	1.0	29.5	20.7	-40.4	45.4	297	0.0	0.58	1.0	44.8	-6.4	-40.9	41.5	261	0.0	0.15	1.0	0.0	0.552	1.0	43.7	-4.5	-40.9	41.2	263	0.0	0.15	1.0	
298	262	264	0.0	0.133	1.0	28.9	21.8	-40.3	45.8	298	0.0	0.569	1.0	44.4	-5.7	-40.9	41.4	262	0.0	0.133	1.0	0.0	0.542	1.0	43.4	-3.9	-40.8	41.1	264	0.0	0.133	1.0	
299	263	265	0.0	0.116	1.0	28.4	22.8	-40.3	46.3	299	0.0	0.558	1.0	44.0	-4.9	-40.9	41.3	263	0.0	0.117	1.0	0.0	0.532	1.0	43.0	-3.2	-40.8	41.0	265	0.0	0.117	1.0	
300	264	266	0.0	0.1	1.0	27.9	23.8	-40.4	46.9	300	0.0	0.547	1.0	43.5	-4.2	-40.8	41.2	264	0.0	0.1	1.0	0.0	0.522	1.0	42.6	-2.6	-40.7	40.9	266	0.0	0.1	1.0	
301	265	267	0.0	0.083	1.0	27.4	24.7	-40.4	47.4	301	0.0	0.536	1.0	43.1	-3.5	-40.8	41.1	265	0.0	0.083	1.0	0.0	0.512	1.0	42.2	-1.9	-40.7	40.8	267	0.0	0.083	1.0	
302	266	268	0.0	0.066	1.0	26.9	25.7	-40.4	47.9	302	0.0	0.525	1.0	42.7	-2.8	-40.7	40.9	266	0.0	0.067	1.0	0.0	0.502	1.0	41.8	-1.3	-40.6	40.7	268	0.0	0.067	1.0	
303	267	269	0.0	0.049	1.0	26.5	26.6	-40.5	48.4	303	0.0	0.514	1.0	42.3	-2.0	-40.7	40.8	267	0.0	0.05	1.0	0.0	0.491	1.0	41.4	-0.6	-40.6	40.7	269	0.0	0.05	1.0	
304	268	269	0.0	0.033	1.0	26.0	27.6	-40.4	49.0	304	0.0	0.503	1.0	41.8	-1.3	-40.6	40.7	268	0.0	0.033	1.0	0.0	0.48	1.0	41.0	0.0	-40.6	40.7	269	0.0	0.033	1.0	
305	269	270	0.0	0.016	1.0	25.5	28.6	-40.4	49.5	305	0.0	0.491	1.0	41.4	-0.6	-40.6	40.7	269	0.0	0.017	1.0	0.0	0.469	1.0	40.6	0.6	-40.6	40.7	270	0.0	0.017	1.0	
306	270	271	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306	B_d	0.0	0.479	1.0	41.0	0.0	-40.6	40.7	$270B_s$	0.0	0.0	1.0	0.0	0.458	1.0	40.3	1.2	-40.6	40.7	$271B_e$	0.0	0.0	1.0
307	271	272	0.016	0.0	1.0	25.4	30.4	-39.9	50.2	307	0.0	0.467	1.0	40.6	0.7	-40.6	40.7	271	0.017	0.0	1.0	0.0	0.447	1.0	39.9	1.9	-40.5	40.7	272	0.017	0.0	1.0	
308	272	273	0.033	0.0	1.0	25.8	31.3	-39.4	50.4	308	0.0	0.455	1.0	40.2	1.4	-40.6	40.7	272	0.033	0.0	1.0	0.0	0.435	1.0	39.5	2.6	-40.5	40.7	273	0.033	0.0	1.0	
309	273	274	0.05	0.0	1.0	26.2	32.2	-38.9	50.5	309	0.0	0.443	1.0	39.7	2.1	-40.5	40.7	273	0.05	0.0	1.0	0.0	0.424	1.0	39.1	3.3	-40.5	40.7	274	0.05	0.0	1.0	
310	274	275	0.066	0.0	1.0	26.5	33.1	-38.4	50.7	310	0.0	0.431	1.0	39.3	2.8	-40.5	40.7	274	0.067	0.0	1.0	0.0	0.413	1.0	38.7	3.9	-40.4	40.7	275	0.067	0.0	1.0	
311	275	276	0.083	0.0	1.0	26.9	33.9	-37.8	50.8	311	0.0	0.419	1.0	38.9	3.5	-40.4	40.7	275	0.083	0.0	1.0	0.0	0.401	1.0	38.3	4.6	-40.3	40.7	276	0.083	0.0	1.0	
313	276	277	0.1	0.0	1.0	27.3	34.8	-37.3	51.0	313	0.0	0.407	1.0	38.5	4.3	-40.4	40.7	276	0.1	0.0	1.0	0.0	0.39	1.0	37.9	5.3	-40.3	40.7	277	0.1	0.0	1.0	
314	277	278	0.116	0.0	1.0	27.7	35.6	-36.7	51.1	314	0.0	0.395	1.0	38.1	5.0	-40.3	40.7	277	0.117	0.0	1.0	0.0	0.378	1.0	37.5	5.9	-40.2	40.7	278	0.117	0.0	1.0	
315	278	279	0.133	0.0	1.0	27.9	36.4	-36.2	51.3	315	0.0	0.383	1.0	37.6	5.7	-40.2	40.7	278	0.133	0.0	1.0	0.0	0.367	1.0	37.1	6.6	-40.2	40.8	279	0.133	0.0	1.0	
316	279	280	0.15	0.0	1.0	28.1	37.2	-35.7	51.6	316	0.0	0.371	1.0	37.2	6.4	-40.2	40.8	279	0.15	0.0	1.0	0.0	0.357	1.0	36.7	7.3	-40.2	41.0	280	0.15	0.0	1.0	
317	280	281	0.166	0.0	1.0	28.2	38.0	-35.2	51.9	317	0.0	0.36	1.0	36.8	7.1	-40.2	41.0	280	0.167	0.0	1.0	0.0	0.346	1.0	36.3	8.0	-40.3	41.2	281	0.167	0.0	1.0	
318	281	282	0.183	0.0	1.0	28.3	38.8	-34.7	52.1	318	0.0	0.348	1.0	36.4	7.8	-40.3	41.1	281	0.183	0.0	1.0	0.0	0.335	1.0	35.9	8.7	-40.3	41.3	282	0.183	0.0	1.0	
319	282	283	0.2	0.0	1.0	28.5	39.6	-34.2	52.4	319	0.0	0.337	1.0	36.0	8.6	-40.3	41.3	282	0.2	0.0	1.0	0.0	0.324	1.0	35.5	9.4	-40.3	41.5	283	0.2	0.0	1.0	
320	283	284	0.216	0.0	1.0	28.6	40.4	-33.7	52.6	320	0.0	0.326	1.0	35.6	9.3	-40.3	41.5	283	0.217	0.0	1.0	0.0	0.313	1.0	35.1	10.1	-40.3	41.7	284	0.217	0.0	1.0	
321	284	285	0.233	0.0	1.0	28.7	41.2	-33.1	52.9	321	0.0	0.314	1.0	35.2	10.1	-40.3	41.7	284	0.233	0.0	1.0	0.0	0.303	1.0	34.8	10.8	-40.3	41.9	285	0.233	0.0	1.0	
322	285	285	0.25	0.0	1.0	28.8	41.9	-32.5	53.1	322	0.0	0.303	1.0	34.8	10.8	-40.3	41.9	285	0.25	0.0	1.0	0.0	0.292	1.0	34.4	11.6	-40.3	42.0	285	0.25	0.0	1.0	
323	286	286	0.266	0.0	1.0	29.4	43.3	-31.8	53.8	323	0.0	0.291	1.0	34.3	11.6	-40.3	42.0	286	0.267	0.0	1.0	0.0	0.281	1.0	34.0	12.3	-40.3	42.2	286	0.267	0.0	1.0	
325	287	287	0.283	0.0	1.0	29.9	44.7	-31.1	54.4	325	0.0	0.28	1.0	33.9	12.3	-40.3	42.2	287	0.283	0.0	1.0	0.0	0.27	1.0	33.6	13.0	-40.2	42.4	287	0.283	0.0	1.0	
326	288	288	0.3	0.0	1.0	30.4	46.0	-30.3	55.1	326	0.0	0.269	1.0	33.5	13.1	-40.2	42.4	288	0.3	0.0	1.0	0.0	0.26	1.0	33.2	13.7	-40.2	42.5	288	0.3	0.0	1.0	
328	289	289	0.316	0.0	1.0	30.9	47.3	-29.4	55.7	328	0.0	0.257	1.0	33.1	13.9	-40.2	42.6	289	0.317	0.0	1.0	0.0	0.249	1.0	32.8	14.4	-40.1	42.7	289	0.317	0.0	1.0	
329																																	

http://130.149.60.45/~farbmetrik/QE47/QE47L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization QE47/QE47LE30FP.DAT in file (F), page 16/33

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

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^* d361Mi	LAB^* ds361Mi (x=LabCh)	rgb^* ds361Mi	LAB^* dsx361Mi (x=LabCh)	rgb^* dd361Mi	LAB^* 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	0.089	1.0	27.6	24.4	-40.3	47.2	301	0.517	0.0	1.0								
341	301	301	0.516	0.0	1.0	35.9	59.5	-19.9	62.8	341	0.0	0.091	1.0	27.7	24.3	-40.3	47.2	301	0.517	0.0	1.0	0.0	0.089	1.0	27.6	24.4	-40.3	47.2	301	0.517	0.0	1.0								
342	302	302	0.533	0.0	1.0	36.2	60.5	-19.0	63.4	342	0.0	0.074	1.0	27.2	25.3	-40.4	47.7	302	0.533	0.0	1.0	0.0	0.073	1.0	27.2	25.4	-40.4	47.8	302	0.533	0.0	1.0								
343	303	303	0.55	0.0	1.0	36.6	61.4	-18.2	64.0	343	0.0	0.056	1.0	26.7	26.3	-40.4	48.3	303	0.55	0.0	1.0	0.0	0.056	1.0	26.7	26.3	-40.4	48.3	303	0.55	0.0	1.0								
344	304	303	0.566	0.0	1.0	36.9	62.3	-17.3	64.7	344	0.0	0.039	1.0	26.2	27.3	-40.4	48.9	304	0.567	0.0	1.0	0.0	0.039	1.0	26.2	27.3	-40.4	48.9	303	0.567	0.0	1.0								
345	305	304	0.583	0.0	1.0	37.2	63.2	-16.4	65.3	345	0.0	0.021	1.0	25.7	28.3	-40.4	49.4	305	0.583	0.0	1.0	0.0	0.023	1.0	25.7	28.2	-40.4	49.4	304	0.583	0.0	1.0								
346	306	305	0.6	0.0	1.0	37.6	64.1	-15.4	66.0	346	0.0	0.004	1.0	25.2	29.4	-40.3	50.0	306	0.6	0.0	1.0	0.0	0.006	1.0	25.3	29.2	-40.3	49.9	305	0.6	0.0	1.0								
347	307	306	0.616	0.0	1.0	37.9	65.0	-14.5	66.6	347	0.011	0.0	1.0	25.3	30.2	-40.0	50.2	307	0.617	0.0	1.0	0.009	0.0	1.0	25.3	30.1	-40.1	50.2	306	0.617	0.0	1.0								
348	308	307	0.633	0.0	1.0	38.3	65.8	-13.7	67.2	348	0.026	0.0	1.0	25.7	31.0	-39.6	50.3	308	0.633	0.0	1.0	0.023	0.0	1.0	25.6	30.8	-39.7	50.3	307	0.633	0.0	1.0								
348	309	308	0.65	0.0	1.0	38.8	66.6	-13.1	67.9	348	0.041	0.0	1.0	26.0	31.8	-39.1	50.5	309	0.65	0.0	1.0	0.036	0.0	1.0	25.9	31.5	-39.3	50.4	308	0.65	0.0	1.0								
349	310	309	0.666	0.0	1.0	39.3	67.3	-12.5	68.5	349	0.056	0.0	1.0	26.3	32.5	-38.7	50.6	310	0.667	0.0	1.0	0.05	0.0	1.0	26.2	32.3	-38.8	50.6	309	0.667	0.0	1.0								
350	311	310	0.683	0.0	1.0	39.8	68.1	-11.9	69.1	350	0.07	0.0	1.0	26.7	33.3	-38.2	50.8	311	0.683	0.0	1.0	0.064	0.0	1.0	26.5	33.0	-38.4	50.7	310	0.683	0.0	1.0								
350	312	311	0.7	0.0	1.0	40.3	68.8	-11.2	69.7	350	0.085	0.0	1.0	27.0	34.1	-37.7	50.9	312	0.7	0.0	1.0	0.078	0.0	1.0	26.9	33.7	-37.9	50.8	311	0.7	0.0	1.0								
351	313	312	0.716	0.0	1.0	40.8	69.5	-10.6	70.4	351	0.1	0.0	1.0	27.3	34.8	-37.2	51.0	313	0.717	0.0	1.0	0.092	0.0	1.0	27.2	34.4	-37.5	51.0	312	0.717	0.0	1.0								
351	314	313	0.733	0.0	1.0	41.3	70.3	-9.9	71.0	351	0.114	0.0	1.0	27.7	35.5	-36.7	51.2	314	0.733	0.0	1.0	0.106	0.0	1.0	27.5	35.1	-37.0	51.1	313	0.733	0.0	1.0								
352	315	314	0.75	0.0	1.0	41.8	71.0	-9.2	71.6	352	0.13	0.0	1.0	27.9	36.3	-36.2	51.3	315	0.75	0.0	1.0	0.12	0.0	1.0	27.8	35.8	-36.5	51.2	314	0.75	0.0	1.0								
353	316	315	0.766	0.0	1.0	42.1	71.6	-8.7	72.1	353	0.146	0.0	1.0	28.1	37.1	-35.7	51.6	316	0.767	0.0	1.0	0.135	0.0	1.0	28.0	36.6	-36.0	51.4	315	0.767	0.0	1.0								
353	317	316	0.783	0.0	1.0	42.4	72.1	-8.1	72.6	353	0.163	0.0	1.0	28.2	37.9	-35.3	51.8	317	0.783	0.0	1.0	0.151	0.0	1.0	28.1	37.3	-35.6	51.7	316	0.783	0.0	1.0								
353	318	317	0.8	0.0	1.0	42.7	72.7	-7.6	73.1	353	0.18	0.0	1.0	28.3	38.7	-34.8	52.1	318	0.8	0.0	1.0	0.167	0.0	1.0	28.2	38.1	-35.1	51.9	317	0.8	0.0	1.0								
354	319	318	0.816	0.0	1.0	43.1	73.2	-7.0	73.6	354	0.197	0.0	1.0	28.5	39.5	-34.2	52.4	319	0.817	0.0	1.0	0.183	0.0	1.0	28.4	38.9	-34.7	52.1	318	0.817	0.0	1.0								
354	320	319	0.833	0.0	1.0	43.4	73.8	-6.5	74.1	354	0.213	0.0	1.0	28.6	40.3	-33.7	52.6	320	0.833	0.0	1.0	0.199	0.0	1.0	28.5	39.6	-34.2	52.4	319	0.833	0.0	1.0								
355	321	320	0.85	0.0	1.0	43.7	74.3	-5.9	74.6	355	0.23	0.0	1.0	28.7	41.1	-33.2	52.9	321	0.85	0.0	1.0	0.215	0.0	1.0	28.6	40.4	-33.7	52.6	320	0.85	0.0	1.0								
355	322	321	0.866	0.0	1.0	44.0	74.9	-5.3	75.1	355	0.247	0.0	1.0	28.9	41.9	-32.6	53.1	322	0.867	0.0	1.0	0.231	0.0	1.0	28.7	41.1	-33.2	52.9	321	0.867	0.0	1.0								
356	323	321	0.883	0.0	1.0	44.3	75.4	-4.7	75.6	356	0.259	0.0	1.0	29.2	42.7	-32.1	53.5	323	0.883	0.0	1.0	0.247	0.0	1.0	28.9	41.8	-32.6	53.1	321	0.883	0.0	1.0								
356	324	322	0.9	0.0	1.0	44.6	76.0	-4.1	76.1	356	0.27	0.0	1.0	29.5	43.7	-31.6	54.0	324	0.9	0.0	1.0	0.258	0.0	1.0	29.2	42.7	-32.1	53.5	322	0.9	0.0	1.0								
357	325	323	0.916	0.0	1.0	44.8	76.6	-3.5	76.6	357	0.282	0.0	1.0	29.9	44.6	-31.1	54.4	325	0.917	0.0	1.0	0.269	0.0	1.0	29.5	43.5	-31.7	53.9	323	0.917	0.0	1.0								
357	326	324	0.933	0.0	1.0	45.1	77.1	-2.8	77.2	357	0.293	0.0	1.0	30.2	45.5	-30.6	54.8	326	0.933	0.0	1.0	0.28	0.0	1.0	29.8	44.4	-31.2	54.3	324	0.933	0.0	1.0								
358	327	325	0.95	0.0	1.0	45.3	77.7	-2.2	77.7	358	0.304	0.0	1.0	30.6	46.4	-30.0	55.3	327	0.95	0.0	1.0	0.29	0.0	1.0	30.1	45.2	-30.7	54.7	325	0.95	0.0	1.0								
358	328	326	0.966	0.0	1.0	45.6	78.2	-1.5	78.2	358	0.315	0.0	1.0	30.9	47.2	-29.4	55.7	328	0.967	0.0	1.0	0.301	0.0	1.0	30.5	46.1	-30.2	55.1	326	0.967	0.0	1.0								
359	329	327	0.983	0.0	1.0	45.8	78.7	-0.8	78.7	359	0.326	0.0	1.0	31.3	48.1	-28.8	56.1	329	0.983	0.0	1.0	0.311	0.0	1.0	30.8	46.9	-29.6	55.6	327	0.983	0.0	1.0								
359	330	328	1.0	0.0	1.0	46.1	79.3	-0.2	79.3	359	M_d	0.337	0.0	1.0	31.6	49.0	-28.2	56.6	330	M_s	1.0	0.0	1.0	0.322	0.0	1.0	31.1	47.8	-29.1	56.0	328	M_e	1.0	0.0	1.0					
360	331	329	1.0	0.0	0.983	46.1	79.1	0.3	79.1	360	0.349	0.0	1.0	32.0	49.9	-27.5	57.0	331	1.0	0.0	0.983	0.332	0.0	1.0	31.5	48.6	-28.5	56.4	329	1.0	0.0	0.983								
360	332	330	1.0	0.0	0.966	46.0	79.0	0.9	79.0	360	0.36	0.0	1.0	32.3	50.7	-26.9	57.5	332	1.0	0.0	0.967	0.343	0.0	1.0	31.8	49.4	-27.9	56.8	330	1.0	0.0	0.967								
361	333	331	1.0	0.0	0.95	46.0	78.9	1.5	78.9	361	0.371	0.0	1.0	32.7	51.6	-26.2	57.9	333	1.0	0.0	0.95	0.354	0.0	1.0	32.1	50.3	-27.2	57.2	331	1.0	0.0	0.95								
361	334	332	1.0	0.0	0.933	46.0	78.7	2.1	78.8	361	0.386	0.0	1.0	33.0	52.5	-25.5	58.4	334	1.0	0.0	0.933	0.364	0.0	1.0	32.4	51.1	-26.6	57.6	332	1.0	0.0	0.933								
361	335	333	1.0	0.0	0.916	46.0	78.6	2.7	78.6	361	0.404	0.0	1.0	33.4	53.5	-24.8	59.0	335	1.0	0.0	0.917	0.375	0.0	1.0	32.8	51.9	-25.9	58.0	333	1.0	0.0	0.917								
362	336	334	1.0	0.0	0.9	46.0	78.4	3.2	78.5	362	0.421	0.0	1.0	33.8	54.4	-24.1	59.6	336	1.0	0.0	0.9	0.391	0.0	1.0	33.1	52.8	-25.3	58.6	334	1.0	0.0	0.9								
362	337	335	1.0	0.0	0.883	45.9	78.3	3.8	78.4	362	0.438	0.0	1.0	34.2	55.4	-23.4	60.1	337	1.0	0.0	0.883	0.408	0.0	1.0	33.5	53.7	-24.7	59.1	335	1.0	0.0	0.883								
363	338	336	1.0	0.0	0.866	45.9	78.1	4.4	78.3	363	0.456	0.0	1.0	34.6	56.3	-22.6	60.7	338	1.0	0.0	0.867	0.424	0.0	1.0	33.9	54.6														

1-1031531-L0 QE470-72 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

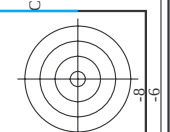
TUB-test chart QE47; hue code: $H^*_d=Y25G_d$
48 step hue circles; $rgb-LabCh^*$ tables

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

TUB registration: 20130201-QE47/QE47L0FP.PDF /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

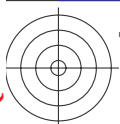
TUB material: code=rha4ta

1-1031631-F0



http://130.149.60.45/~farbmatrik/QE47/QE47L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization QE47/QE47L0FP.DAT in file (F), page 19/33

n/f	HfC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabC*Fid	cmy0*_sep_Fid	cmyn*_sep_Fid	delta	hsa_dld	rgb*_Mdd	LabC*_Mdd	cmyn*_sep_Fid	cmyn*_sep_Fid	delta
0/648	R0Y_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	389	1.0	0.0	0.0	0.0	32.3
1/666	R25Y_100_100ad	0.0	0.25	0.0	1.0	0.233	0.0	0.765	1.0	42	1.0	0.233	0.0	0.765	45.7
2/684	R50Y_100_100ad	0.0	0.5	0.0	1.0	0.466	0.0	0.534	1.0	59	1.0	0.466	0.0	0.534	67.1
3/702	R75Y_100_100ad	0.0	0.75	0.0	1.0	0.766	0.0	0.234	1.0	77	1.0	0.766	0.0	0.234	84.8
4/720	Y00C_100_100ad	0.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	102	1.0	1.0	0.0	0.0	96.1
5/558	Y25C_100_100ad	0.75	1.0	0.0	1.0	0.812	0.0	0.188	1.0	89	0.75	0.812	0.0	0.188	101.4
6/396	Y50C_100_100ad	0.5	1.0	0.0	1.0	0.658	0.0	0.342	1.0	119	0.5	0.658	0.0	0.342	72.8
7/234	Y75C_100_100ad	0.25	1.0	0.0	1.0	0.466	0.0	0.534	1.0	137	0.25	0.466	0.0	0.534	114.0
8/72	G00B_100_100ad	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	149	0.0	0.0	1.0	0.0	155.5
9/72	G25B_100_100ad	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	180	0.0	0.0	1.0	0.0	155.5
10/76	G50B_100_100ad	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	180	0.0	0.0	1.0	0.0	155.5
11/80	G75B_100_100ad	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	240	0.0	0.0	1.0	0.0	268.2
12/44	G90B_100_100ad	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	240	0.0	0.0	1.0	0.0	268.2
13/8	B00M_100_100ad	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	270	0.0	0.0	0.0	0.0	306.2
14/332	B25R_100_100ad	0.5	0.0	1.0	1.0	0.356	0.0	0.644	1.0	300	0.5	0.356	0.0	0.644	340.5
15/652	B50R_100_100ad	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	330	0.0	0.0	0.0	0.0	359.8
16/652	B75R_100_100ad	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	359.8
17/648	R00Y_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	389	1.0	0.0	0.0	0.0	32.3
18/688	R00Y_100_050ad	1.0	0.5	0.5	1.0	0.5	0.5	0.0	0.5	389	1.0	0.5	0.5	0.0	32.3
19/706	R50Y_100_050ad	0.75	0.5	0.5	1.0	0.75	0.5	0.0	0.75	59	0.75	0.75	0.5	0.0	67.1
20/724	Y00C_100_050ad	0.75	1.0	0.5	1.0	0.75	1.0	0.0	0.75	119	0.75	1.0	1.0	0.0	96.1
21/662	Y25C_100_050ad	0.5	1.0	0.5	1.0	0.5	1.0	0.0	0.5	119	0.5	1.0	1.0	0.0	72.8
22/400	Y50C_100_050ad	0.25	1.0	0.5	1.0	0.25	1.0	0.0	0.25	270	0.25	1.0	1.0	0.0	306.2
23/468	Y75C_100_050ad	0.0	1.0	0.5	1.0	0.0	1.0	0.0	0.0	270	0.0	1.0	1.0	0.0	306.2
24/688	B00R_100_050ad	0.5	0.5	0.5	1.0	0.5	0.5	0.0	0.5	330	0.5	0.5	0.0	0.0	359.8
25/692	B50R_100_050ad	0.0	0.5	0.5	1.0	0.0	0.5	0.0	0.5	389	0.0	0.5	0.0	0.0	32.3
26/688	R00Y_100_050ad	1.0	0.5	0.5	1.0	0.5	0.5	0.0	0.5	389	1.0	0.5	0.5	0.0	32.3
27/506	R00Y_075_050ad	0.75	0.25	0.25	0.75	0.25	0.25	0.266	0.699	389	0.75	0.25	0.266	0.699	32.3
28/524	R50Y_075_050ad	0.5	0.5	0.5	0.75	0.5	0.5	0.0	0.5	59	0.5	0.5	0.0	0.0	67.1
29/542	Y00C_075_050ad	0.75	0.75	0.25	0.75	0.75	0.25	0.266	0.699	89	0.75	0.75	0.25	0.266	96.1
30/380	Y50C_075_050ad	0.5	0.75	0.25	0.75	0.5	0.5	0.0	0.5	149	0.5	0.5	0.0	0.0	72.8
31/218	G00B_075_050ad	0.25	0.75	0.25	0.75	0.25	0.75	0.784	0.18	210	0.25	0.75	0.784	0.18	155.5
32/222	G50B_075_050ad	0.25	0.75	0.25	0.75	0.25	0.75	0.784	0.18	210	0.25	0.75	0.784	0.18	155.5
33/186	B00R_075_050ad	0.25	0.75	0.25	0.75	0.25	0.75	0.784	0.18	270	0.25	0.75	0.784	0.18	306.2
34/510	B50R_075_050ad	0.75	0.25	0.25	0.75	0.25	0.25	0.266	0.699	330	0.75	0.25	0.266	0.699	359.8
35/506	R00Y_075_050ad	0.75	0.25	0.25	0.75	0.25	0.25	0.266	0.699	389	0.75	0.25	0.266	0.699	32.3
36/324	R00Y_050_050ad	0.5	0.0	0.0	0.5	0.0	0.0	0.567	0.93	389	0.5	0.0	0.0	0.0	32.3
37/342	R50Y_050_050ad	0.5	0.25	0.25	0.5	0.25	0.25	0.567	0.93	59	0.5	0.25	0.25	0.567	67.1
38/360	Y00C_050_050ad	0.5	0.5	0.25	0.5	0.5	0.25	0.567	0.93	89	0.5	0.5	0.25	0.567	96.1
39/198	Y50C_050_050ad	0.25	0.5	0.25	0.5	0.25	0.5	0.567	0.93	149	0.25	0.5	0.567	0.93	72.8
40/36	G00B_050_050ad	0.0	0.5	0.25	0.5	0.0	0.5	0.567	0.93	210	0.0	0.5	0.567	0.93	155.5
41/40	G50B_050_050ad	0.0	0.5	0.25	0.5	0.0	0.5	0.567	0.93	210	0.0	0.5	0.567	0.93	155.5
42/4	B00R_050_050ad	0.0	0.5	0.25	0.5	0.0	0.5	0.567	0.93	270	0.0	0.5	0.567	0.93	306.2
43/328	B50R_050_050ad	0.5	0.0	0.5	0.5	0.5	0.0	0.567	0.93	330	0.5	0.0	0.567	0.93	359.8
44/324	R00Y_050_050ad	0.5	0.0	0.5	0.5	0.5	0.0	0.567	0.93	389	0.5	0.0	0.567	0.93	32.3
45/0	NW_000ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	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	0.0885	0.774	360	0.125	0.125	0.0885	0.774	0.0
47/182	NW_025ad	0.25	0.25	0.25	0.25	0.25	0.25	0.0885	0.774	360	0.25	0.25	0.0885	0.774	0.0
48/273	NW_038ad	0.375	0.375	0.375	0.375	0.375	0.375	0.0885	0.774	360	0.375	0.375	0.0885	0.774	0.0
49/364	NW_050ad	0.5	0.5	0.5	0.5	0.5	0.5	0.0885	0.774	360	0.5	0.5	0.0885	0.774	0.0
50/455	NW_065ad	0.625	0.625	0.625	0.625	0.625	0.625	0.0885	0.774	360	0.625	0.625	0.0885	0.774	0.0
51/546	NW_080ad	0.75	0.75	0.75	0.75	0.75	0.75	0.0885	0.774	360	0.75	0.75	0.0885	0.774	0.0
52/637	NW_095ad	0.875	0.875	0.875	0.875	0.875	0.875	0.0885	0.774	360	0.875	0.875	0.0885	0.774	0.0
53/728	NW_100ad	1.0	1.0	1.0	1.0	1.0	1.0	0.0885	0.774	360	1.0	1.0	0.0885	0.774	0.0



see similar files: <http://130.149.60.45/~farbmetrik/QE47/QE47.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

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

n-j	HIC*Ftd	rgb_Ftd	lcr_Ftd	h3g_Ftd	rgb*Ftd	LadCh*Ftd	LadCh*Ftd	cmym*sep_Ftd	hsmidi	rgb*Mid	LadCh*Mid	delta
0	NW_0000ad	0.0	0.0	0.0	360	0.0	24.3	0.0	0.0	1.0	95.6	0.0
1	B00R_012_012ad	0.0	0.125	0.125	0.062	270	0.0	0.0	0.0	1.0	25.0	0.0
2	B00R_025_025ad	0.0	0.25	0.25	0.125	270	0.0	0.25	0.0	1.0	25.0	0.0
3	B00R_037_037ad	0.0	0.375	0.375	0.187	270	0.0	0.375	0.0	1.0	25.0	0.0
4	B00R_050_050ad	0.0	0.5	0.5	0.25	270	0.0	0.5	0.0	1.0	25.0	0.0
5	B00R_062_062ad	0.0	0.625	0.625	0.312	270	0.0	0.625	0.0	1.0	25.0	0.0
6	B00R_075_075ad	0.0	0.75	0.75	0.375	270	0.0	0.75	0.0	1.0	25.0	0.0
7	B00R_087_087ad	0.0	0.875	0.875	0.437	270	0.0	0.875	0.0	1.0	25.0	0.0
8	B00R_100_100ad	0.0	1.0	1.0	0.5	270	0.0	1.0	0.0	1.0	25.0	0.0
9	G00B_012_012ad	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	1.0	56.8	0.0
10	G50B_012_012ad	0.0	0.125	0.125	0.062	210	0.0	0.125	0.0	1.0	56.8	0.0
11	G75B_025_025ad	0.0	0.25	0.25	0.125	240	0.0	0.25	0.0	1.0	41.7	0.0
12	G84B_037_037ad	0.0	0.375	0.375	0.187	251	0.0	0.375	0.0	1.0	35.2	0.0
13	G88B_050_050ad	0.0	0.5	0.5	0.25	256	0.0	0.5	0.0	1.0	32.2	0.0
14	G88B_062_062ad	0.0	0.625	0.625	0.312	259	0.0	0.625	0.0	1.0	30.6	0.0
15	G32B_075_075ad	0.0	0.75	0.75	0.375	261	0.0	0.75	0.0	1.0	29.5	0.0
16	G32B_087_087ad	0.0	0.875	0.875	0.437	262	0.0	0.875	0.0	1.0	28.9	0.0
17	G34B_100_100ad	0.0	1.0	1.0	0.5	263	0.0	1.0	0.0	1.0	28.4	0.0
18	G00B_025_025ad	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	1.0	50.0	0.0
19	G25B_025_025ad	0.0	0.25	0.25	0.125	180	0.0	0.25	0.0	1.0	52.9	0.0
20	G00B_025_025ad	0.0	0.25	0.25	0.125	210	0.0	0.25	0.0	1.0	56.8	0.0
21	G50B_037_037ad	0.0	0.375	0.375	0.187	229	0.0	0.375	0.0	1.0	46.3	0.0
22	G75B_050_050ad	0.0	0.5	0.5	0.25	240	0.0	0.5	0.0	1.0	42.9	0.0
23	G75B_062_062ad	0.0	0.625	0.625	0.312	247	0.0	0.625	0.0	1.0	40.6	0.0
24	G00B_075_075ad	0.0	0.75	0.75	0.375	251	0.0	0.75	0.0	1.0	37.6	0.0
25	G00B_087_087ad	0.0	0.875	0.875	0.437	254	0.0	0.875	0.0	1.0	35.6	0.0
26	G88B_100_100ad	0.0	1.0	1.0	0.5	256	0.0	1.0	0.0	1.0	32.2	0.0
27	G00B_037_037ad	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	1.0	50.0	0.0
28	G15B_037_037ad	0.0	0.375	0.375	0.187	169	0.0	0.375	0.0	1.0	56.8	0.0
29	G34B_037_037ad	0.0	0.375	0.375	0.187	191	0.0	0.375	0.0	1.0	68.3	0.0
30	G00B_037_037ad	0.0	0.375	0.375	0.187	210	0.0	0.375	0.0	1.0	56.8	0.0
31	G61B_050_050ad	0.0	0.5	0.5	0.25	224	0.0	0.5	0.0	1.0	46.2	0.0
32	G69B_062_062ad	0.0	0.625	0.625	0.312	233	0.0	0.625	0.0	1.0	40.6	0.0
33	G75B_075_075ad	0.0	0.75	0.75	0.375	240	0.0	0.75	0.0	1.0	38.8	0.0
34	G79B_087_087ad	0.0	0.875	0.875	0.437	245	0.0	0.875	0.0	1.0	36.6	0.0
35	G81B_100_100ad	0.0	1.0	1.0	0.5	248	0.0	1.0	0.0	1.0	37.0	0.0
36	G00B_050_050ad	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	1.0	50.0	0.0
37	G11B_050_050ad	0.0	0.5	0.5	0.25	164	0.0	0.5	0.0	1.0	52.9	0.0
38	G25B_050_050ad	0.0	0.5	0.5	0.25	180	0.0	0.5	0.0	1.0	56.8	0.0
39	G38B_050_050ad	0.0	0.5	0.5	0.25	196	0.0	0.5	0.0	1.0	68.3	0.0
40	G00B_050_050ad	0.0	0.5	0.5	0.25	210	0.0	0.5	0.0	1.0	56.8	0.0
41	G65B_062_062ad	0.0	0.625	0.625	0.312	221	0.0	0.625	0.0	1.0	48.3	0.0
42	G65B_075_075ad	0.0	0.75	0.75	0.375	229	0.0	0.75	0.0	1.0	45.9	0.0
43	G75B_087_087ad	0.0	0.875	0.875	0.437	235	0.0	0.875	0.0	1.0	44.9	0.0
44	G75B_100_100ad	0.0	1.0	1.0	0.5	240	0.0	1.0	0.0	1.0	41.7	0.0
45	G00B_062_062ad	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	1.0	50.0	0.0
46	G09B_062_062ad	0.0	0.625	0.625	0.312	161	0.0	0.625	0.0	1.0	52.9	0.0
47	G19B_062_062ad	0.0	0.625	0.625	0.312	173	0.0	0.625	0.0	1.0	68.3	0.0
48	G30B_062_062ad	0.0	0.625	0.625	0.312	187	0.0	0.625	0.0	1.0	56.8	0.0
49	G40B_062_062ad	0.0	0.625	0.625	0.312	199	0.0	0.625	0.0	1.0	48.3	0.0
50	G50B_062_062ad	0.0	0.625	0.625	0.312	210	0.0	0.625	0.0	1.0	45.9	0.0
51	G57B_075_075ad	0.0	0.75	0.75	0.375	219	0.0	0.75	0.0	1.0	43.6	0.0
52	G63B_087_087ad	0.0	0.875	0.875	0.437	226	0.0	0.875	0.0	1.0	40.6	0.0
53	G68B_100_100ad	0.0	1.0	1.0	0.5	232	0.0	1.0	0.0	1.0	41.7	0.0
54	G00B_075_075ad	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	1.0	50.0	0.0
55	G07B_075_075ad	0.0	0.75	0.75	0.375	159	0.0	0.75	0.0	1.0	52.9	0.0
56	G15B_075_075ad	0.0	0.75	0.75	0.375	169	0.0	0.75	0.0	1.0	68.3	0.0
57	G25B_075_075ad	0.0	0.75	0.75	0.375	180	0.0	0.75	0.0	1.0	56.8	0.0
58	G34B_075_075ad	0.0	0.75	0.75	0.375	191	0.0	0.75	0.0	1.0	48.3	0.0
59	G42B_075_075ad	0.0	0.75	0.75	0.375	201	0.0	0.75	0.0	1.0	45.9	0.0
60	G50B_075_075ad	0.0	0.75	0.75	0.375	210	0.0	0.75	0.0	1.0	43.6	0.0
61	G56B_087_087ad	0.0	0.875	0.875	0.437	214	0.0	0.875	0.0	1.0	40.6	0.0
62	G61B_100_100ad	0.0	1.0	1.0	0.5	224	0.0	1.0	0.0	1.0	41.7	0.0
63	G00B_087_087ad	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	1.0	50.0	0.0
64	G06B_087_087ad	0.0	0.875	0.875	0.437	158	0.0	0.875	0.0	1.0	52.9	0.0
65	G13B_087_087ad	0.0	0.875	0.875	0.437	166	0.0	0.875	0.0	1.0	68.3	0.0
66	G20B_087_087ad	0.0	0.875	0.875	0.437	175	0.0	0.875	0.0	1.0	56.8	0.0
67	G28B_087_087ad	0.0	0.875	0.875	0.437	185	0.0	0.875	0.0	1.0	48.3	0.0
68	G36B_087_087ad	0.0	0.875	0.875	0.437	196	0.0	0.875	0.0	1.0	45.9	0.0
69	G43B_087_087ad	0.0	0.875	0.875	0.437	207	0.0	0.875	0.0	1.0	43.6	0.0
70	G50B_087_087ad	0.0	0.875	0.875	0.437	210	0.0	0.875	0.0	1.0	40.6	0.0
71	G55B_100_100ad	0.0	1.0	1.0	0.5	217	0.0	1.0	0.0	1.0	41.7	0.0
72	G00B_100_100ad	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	1.0	50.0	0.0
73	G05B_100_100ad	0.0	1.0	1.0	0.5	157	0.0	1.0	0.0	1.0	52.9	0.0
74	G11B_100_100ad	0.0	1.0	1.0	0.5	164	0.0	1.0	0.0	1.0	68.3	0.0
75	G18B_100_100ad	0.0	1.0	1.0	0.5	172	0.0	1.0	0.0	1.0	56.8	0.0
76	G25B_100_100ad	0.0	1.0	1.0	0.5	180	0.0	1.0	0.0	1.0	48.3	0.0
77	G31B_100_100ad	0.0	1.0	1.0	0.5	188	0.0	1.0	0.0	1.0	45.9	0.0
78	G38B_100_100ad	0.0	1.0	1.0	0.5	196	0.0	1.0	0.0	1.0	43.6	0.0
79	G44B_100_100ad	0.0	1.0	1.0	0.5	203	0.0	1.0	0.0	1.0	40.6	0.0
80	G50B_100_100ad	0.0	1.0	1.0	1.0	210	0.0	1.0	0.0	1.0	56.8	0.0

Mean color difference of this page:



<http://130.149.60.45/~farbmatrik/QE47/QE47L0FP.PDF> /PS; 3D-linearization F: 3D-linearization QE47/QE47LE30FP.DAT in file (F), page 21/33

<i>n</i>	<i>HIC[°]_{Fold}</i>	<i>ic[°]_{Fold}</i>	<i>hg[°]_{Fold}</i>	<i>rgb[°]_{Fold}</i>	<i>LabCh[°]_{Fold}</i>	<i>cmv[°]_{expFold}</i>	<i>h[°]_{axid}</i>	<i>rgb[°]_{Fold}</i>	<i>LabCh[°]_{Fold}</i>
81	R00Y_012_012ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	0.9	389	1.0	0.0
82	B00Y_012_012ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	0.956	390	1.0	0.0
83	B25R_032_025ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	0.904	391	0.0	45.1
84	B15R_037_037ad	0.125 0.0	0.375 0.187	0.118 0.0	0.375 26.1	0.89	390	0.5	0.0
85	B11R_050_050ad	0.125 0.0	0.5 0.5	0.116 0.0	0.265 24.2	0.989	288	0.316	0.0
86	B09R_062_062ad	0.125 0.0	0.625 0.625	0.114 0.0	0.625 26.8	1.0	282	0.233	0.0
87	B07R_075_075ad	0.125 0.0	0.75 0.75	0.112 0.0	0.75 27.1	0.999	279	0.183	0.0
88	B06R_087_087ad	0.125 0.0	0.875 0.875	0.116 0.0	0.875 27.5	0.986	278	0.15	0.0
89	B05R_100_100ad	0.125 0.0	1.0 1.0	0.116 0.0	0.875 31.9	0.986	277	0.133	0.0
90	Y00G_012_012ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	0.882	276	0.116	0.0
91	NW_012ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	0.875	89	1.0	0.0
92	B00R_025_012ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	0.885	360	1.0	0.0
93	B00R_037_025ad	0.125 0.0	0.375 0.25	0.124 0.124	0.375 3.6	0.878	270	0.0	0.0
94	B00R_050_037ad	0.125 0.0	0.5 0.375	0.124 0.124	0.375 3.3	0.867	270	0.0	0.0
95	B00R_062_050ad	0.125 0.0	0.625 0.5	0.124 0.124	0.5 11.0	0.861	270	0.0	0.0
96	B00R_075_062ad	0.125 0.0	0.75 0.625	0.125 0.125	0.625 33.6	0.857	270	0.0	0.0
97	B00R_087_075ad	0.125 0.0	0.875 0.75	0.125 0.125	0.75 33.7	0.853	270	0.0	0.0
98	B00R_100_087ad	0.125 0.0	1.0 0.875	0.125 0.125	0.875 33.8	0.852	270	0.0	0.0
99	Y00G_025_025ad	0.125 0.0	0.25 0.25	0.125 0.125	0.25 33.9	0.852	270	0.0	0.0
100	G00R_025_012ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	0.845	119	0.5	0.0
101	G50R_037_025ad	0.125 0.0	0.375 0.25	0.124 0.25	0.25 37.3	0.837	149	0.0	0.0
102	G48R_062_050ad	0.125 0.0	0.625 0.5	0.124 0.243	0.5 37.3	0.867	240	0.0	0.0
103	G00R_075_062ad	0.125 0.0	0.75 0.625	0.124 0.241	0.625 37.2	0.864	251	0.0	0.0
104	G00R_087_075ad	0.125 0.0	0.875 0.75	0.125 0.237	0.875 37.1	0.861	257	0.0	0.0
105	G00R_100_087ad	0.125 0.0	1.0 0.875	0.125 0.237	0.875 37.1	0.862	262	0.0	0.0
106	G38R_100_087ad	0.125 0.0	0.875 0.75	0.118 0.241	1.0 38.6	0.861	262	0.0	0.0
107	G68R_037_037ad	0.125 0.0	0.375 0.375	0.114 0.241	0.375 38.7	0.853	131	0.316	0.0
108	G58R_037_037ad	0.125 0.0	0.375 0.25	0.114 0.241	0.375 38.7	0.853	131	0.316	0.0
109	G50R_037_025ad	0.125 0.0	0.375 0.25	0.114 0.241	0.375 38.7	0.853	131	0.316	0.0
110	G58R_037_025ad	0.125 0.0	0.375 0.25	0.114 0.241	0.375 38.7	0.853	131	0.316	0.0
111	G58R_050_037ad	0.125 0.0	0.5 0.375	0.124 0.375	0.375 41.3	0.862	180	0.0	0.0
112	G58R_062_037ad	0.125 0.0	0.625 0.5	0.124 0.38	0.5 42.2	0.862	228	0.0	0.0
113	G58R_062_037ad	0.125 0.0	0.625 0.5	0.124 0.38	0.5 42.2	0.862	228	0.0	0.0
114	G48R_075_062ad	0.125 0.0	0.75 0.625	0.125 0.362	0.875 41.5	0.862	247	0.0	0.0
115	G48R_075_062ad	0.125 0.0	0.75 0.625	0.125 0.362	0.875 41.5	0.862	251	0.0	0.0
116	G68R_100_087ad	0.125 0.0	1.0 0.875	0.125 0.358	1.0 41.1	0.867	255	0.0	0.0
117	Y66G_050_050ad	0.125 0.0	0.5 0.5	0.125 0.358	1.0 41.1	0.867	255	0.0	0.0
118	G00R_050_037ad	0.125 0.0	0.125 0.0	0.124 0.5	0.124 42.9	0.871	137	0.233	0.0
119	G00R_050_037ad	0.125 0.0	0.125 0.0	0.124 0.5	0.124 42.9	0.871	137	0.233	0.0
120	G34B_050_037ad	0.125 0.0	0.375 0.312	0.124 0.5	0.243 43.5	0.891	168	0.0	0.0
121	G34B_050_037ad	0.125 0.0	0.375 0.312	0.124 0.5	0.381 44.5	0.877	191	0.0	0.0
122	G61B_062_050ad	0.125 0.0	0.625 0.5	0.124 0.5	0.45 45.4	0.858	168	0.0	0.0
123	G61B_062_050ad	0.125 0.0	0.625 0.5	0.124 0.5	0.45 45.4	0.858	168	0.0	0.0
124	G79B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.51	0.75 46.9	0.861	232	0.0	0.0
125	G79B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.51	0.75 46.9	0.861	232	0.0	0.0
126	Y81G_062_062ad	0.125 0.0	0.625 0.625	0.131 0.625	0.0 44.4	0.871	245	0.0	0.0
127	G00B_062_062ad	0.125 0.0	0.625 0.625	0.131 0.625	0.0 44.4	0.871	245	0.0	0.0
128	G11B_062_050ad	0.125 0.0	0.625 0.5	0.125 0.625	0.125 46.1	0.895	149	0.0	0.0
129	G25B_062_050ad	0.125 0.0	0.625 0.5	0.125 0.625	0.125 46.1	0.895	149	0.0	0.0
130	G38B_062_050ad	0.125 0.0	0.625 0.5	0.125 0.625	0.125 46.1	0.895	149	0.0	0.0
131	G38B_062_050ad	0.125 0.0	0.625 0.5	0.125 0.625	0.125 46.1	0.895	149	0.0	0.0
132	G59B_075_062ad	0.125 0.0	0.75 0.625	0.125 0.635	0.75 50.8	0.868	219	0.0	0.0
133	G59B_075_062ad	0.125 0.0	0.75 0.625	0.125 0.635	0.75 50.8	0.868	219	0.0	0.0
134	G70B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.635	1.0 51.2	0.877	234	0.0	0.0
135	G70B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.635	1.0 51.2	0.877	234	0.0	0.0
136	G70B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.635	1.0 51.2	0.877	234	0.0	0.0
137	G00B_075_062ad	0.125 0.0	0.75 0.625	0.125 0.75	0.125 49.3	0.901	149	0.0	0.0
138	G00B_075_062ad	0.125 0.0	0.75 0.625	0.125 0.75	0.125 49.3	0.901	149	0.0	0.0
139	G19B_075_062ad	0.125 0.0	0.75 0.625	0.125 0.75	0.125 49.3	0.901	149	0.0	0.0
140	G40B_075_062ad	0.125 0.0	0.75 0.625	0.125 0.75	0.125 49.3	0.901	149	0.0	0.0
141	G40B_075_062ad	0.125 0.0	0.75 0.625	0.125 0.75	0.125 49.3	0.901	149	0.0	0.0
142	G57B_087_075ad	0.125 0.0	0.875 0.75	0.125 0.875	0.75 55.0	0.882	217	0.0	0.0
143	G57B_087_075ad	0.125 0.0	0.875 0.75	0.125 0.875	0.75 55.0	0.882	217	0.0	0.0
144	G57B_087_075ad	0.125 0.0	0.875 0.75	0.125 0.875	0.75 55.0	0.882	217	0.0	0.0
145	G00B_087_075ad	0.125 0.0	0.875 0.75	0.125 0.875	0.75 55.0	0.882	217	0.0	0.0
146	G07B_087_075ad	0.125 0.0	0.875 0.75	0.125 0.875	0.75 55.0	0.882	217	0.0	0.0
147	G15B_087_075ad	0.125 0.0	0.875 0.75	0.125 0.875	0.75 55.0	0.882	217	0.0	0.0
148	G23B_087_075ad	0.125 0.0	0.875 0.75	0.125 0.875	0.75 55.0	0.882	217	0.0	0.0
149	G23B_087_075ad	0.125 0.0	0.875 0.75	0.125 0.875	0.75 55.0	0.882	217	0.0	0.0
150	G23B_087_075ad	0.125 0.0	0.875 0.75	0.125 0.875	0.75 55.0	0.882	217	0.0	0.0
151	G50B_087_075ad	0.125 0.0	0.875 0.75	0.125 0.875	0.75 55.0	0.882	217	0.0	0.0
152	G50B_087_075ad	0.125 0.0	0.875 0.75	0.125 0.875	0.75 55.0	0.882	217	0.0	0.0
153	G58B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.875	1.0 59.1	0.882	217	0.0	0.0
154	G00B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.875	1.0 59.1	0.882	217	0.0	0.0
155	G00B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.875	1.0 59.1	0.882	217	0.0	0.0
156	G13B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.875	1.0 59.1	0.882	217	0.0	0.0
157	G20B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.875	1.0 59.1	0.882	217	0.0	0.0
158	G29B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.875	1.0 59.1	0.882	217	0.0	0.0
159	G38B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.875	1.0 59.1	0.882	217	0.0	0.0
160	G50B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.875	1.0 59.1	0.882	217	0.0	0.0
161	G50B_100_087ad	0.125 0.0	1.0 0.875	0.125 0.875	1.0 59.1	0.882	217	0.0	0.0

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OE470-7N. Page 21/33-F

TUB-test chart QE47; hue code: H_d^{*}=Y25Gd

input: rq
output: $\mathbf{r}$

output: 3D-linearization to $cmy0^*$ data

delta

W

1

C

V

M

1

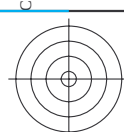
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see similar files: <http://130.149.60.45/~farbmatrik/QE47/QE47.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>





n	HIC ^{Field}	rgb ^{Field}		iCt ^{Field}	I ₀ ^{Field}	rgb ^{Mid}		LabCh ^{Field}	cmv ^{TempField}		h _{max} ^{Field}	rgb ^{Mid}		LabCh ^{Mid}													
		0.25	0.0			0.25	0.0		0.25	0.0		0.25	0.0														
162	ROYX_025_0254d	0.25	0.0	0.25	0.0	0.125	0.390	0.0	29.6	17.7	11.2	20.9	32.3	0.0	0.764	0.927	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3			
163	ROYX_025_0254d	0.25	0.0	0.125	0.125	0.360	0.25	0.0	0.125	29.7	18.5	5.2	15.9	19.2	0.0	0.772	0.927	0.86	0.0	0.5	45.9	74.2	21.1	77.1	15.9		
164	ROYX_025_0254d	0.25	0.0	0.125	0.125	0.360	0.25	0.0	0.125	29.8	19.8	0.0	19.8	359.8	0.0	0.784	0.927	0.736	0.0	0.0	46.1	79.3	0.0	69.3	359.8		
165	B34R_037_0374d	0.25	0.0	0.375	0.375	0.187	0.311	0.256	0.0	0.375	30.1	25.5	-4.4	25.9	350.0	0.0	0.747	0.939	0.61	0.0	1.0	39.8	68.1	-11.9	79.1	350.0	
166	B25R_050_0504d	0.25	0.0	0.5	0.5	0.25	0.300	0.25	0.0	0.5	29.9	32.7	-10.3	31.0	340.5	0.0	0.737	0.959	0.484	0.0	0.0	35.6	58.6	-20.7	62.1	340.5	
167	B19R_062_0624d	0.25	0.0	0.625	0.625	0.312	0.293	0.239	0.0	0.625	29.7	32.3	-16.0	36.4	333.8	0.0	0.733	0.976	0.374	0.0	0.0	32.9	52.3	-25.7	58.3	333.8	
168	B15R_075_0754d	0.25	0.0	0.75	0.75	0.375	0.289	0.237	0.0	0.75	29.3	35.5	-22.0	41.8	328.6	0.0	0.742	0.985	0.261	0.0	0.0	30.9	47.3	-29.4	55.7	328.6	
169	B13R_087_0874d	0.25	0.0	0.875	0.875	0.437	0.286	0.233	0.0	0.875	28.7	37.9	-27.8	47.0	323.6	0.0	0.758	0.992	0.138	0.0	0.0	29.4	43.3	-31.8	53.8	323.6	
170	B11R_100_1004d	0.25	0.0	1.0	1.0	0.5	0.284	0.233	0.0	1.0	28.7	41.2	-33.1	52.9	321.1	0.0	0.765	1.0	0.0	0.0	0.0	28.7	-33.1	-33.1	52.9	321.1	
171	R50Y_025_0254d	0.25	0.125	0.0	0.25	0.125	0.60	0.235	0.0	0.0	34.5	7.2	17.1	18.6	67.1	0.0	0.745	0.771	1.0	0.0	0.0	64.9	28.9	68.6	74.5	67.1	
172	R50Y_025_0254d	0.25	0.125	0.125	0.125	0.187	0.390	0.25	0.124	0.124	35.9	8.8	5.6	10.4	32.3	0.0	0.744	0.753	0.714	0.0	0.0	45.4	70.9	44.8	83.9	32.3	
173	R50Y_025_0254d	0.25	0.125	0.125	0.125	0.187	0.390	0.25	0.124	0.124	35.9	8.8	5.6	10.4	32.3	0.0	0.744	0.753	0.714	0.0	0.0	45.4	70.9	44.8	83.9	32.3	
174	B25R_037_0254d	0.25	0.125	0.375	0.375	0.25	0.25	0.124	0.375	36.0	9.9	0.0	9.9	359.8	0.0	0.753	0.756	0.616	0.0	0.0	35.6	58.6	-20.7	62.1	340.5		
175	B15R_050_0374d	0.25	0.125	0.375	0.375	0.25	0.25	0.124	0.375	36.0	14.6	-5.1	15.0	340.5	0.0	0.771	0.771	0.523	0.0	0.0	35.6	58.6	-20.7	62.1	340.5		
176	B15R_050_0374d	0.25	0.125	0.375	0.375	0.25	0.25	0.124	0.375	36.0	14.6	-5.1	15.0	340.5	0.0	0.771	0.771	0.523	0.0	0.0	35.6	58.6	-20.7	62.1	340.5		
177	B11R_062_0504d	0.25	0.125	0.625	0.625	0.5	0.375	0.284	0.241	0.125	0.625	35.4	30.2	-16.5	26.4	321.1	0.0	0.743	0.797	0.335	0.0	0.0	30.9	47.3	-29.4	55.7	321.1
178	B09R_075_0624d	0.25	0.125	0.75	0.75	0.625	0.437	0.281	0.239	0.125	0.75	35.7	24.2	-21.7	32.5	318.2	0.0	0.737	0.804	0.227	0.0	0.0	28.3	38.8	-34.7	52.1	318.2
179	B07R_087_0754d	0.25	0.125	0.875	0.875	0.75	0.279	0.237	0.125	0.875	36.0	27.9	-26.8	38.7	316.2	0.0	0.731	0.812	0.112	0.0	0.0	27.1	37.2	-35.7	51.6	316.2	
180	B06R_100_0874d	0.25	0.125	1.0	1.0	0.875	0.562	0.278	0.241	0.125	1.0	36.4	31.9	-34.9	315.2	0.0	0.722	0.816	0.0	0.0	0.0	28.9	36.4	-36.2	51.3	315.2	
181	Y00C_025_0254d	0.25	0.25	0.0	0.25	0.125	0.90	0.25	0.25	0.0	40.2	-2.5	23.8	24.0	24.9	0.0	0.729	0.621	0.977	0.0	0.0	87.8	-10.2	95.4	96.0	96.1	
182	Y00C_025_0254d	0.25	0.25	0.125	0.125	0.187	0.90	0.25	0.125	0.187	9.0	0.0	0.0	11.9	12.0	96.1	0.0	0.732	0.608	0.741	0.0	0.0	87.8	-10.2	95.4	96.0	96.1
183	Y00C_025_0254d	0.25	0.25	0.25	0.25	0.360	0.25	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	0.0	95.6	0.0	0.0	0.0	0.0
184	Y00C_037_0124d	0.25	0.25	0.375	0.375	0.125	0.312	0.270	0.249	0.249	0.375	42.2	3.6	-5.0	6.2	306.2	0.0	0.734	0.601	0.472	0.0	0.0	25.0	29.5	-40.4	50.0	306.2
185	Y00C_037_0124d	0.25	0.25	0.375	0.375	0.125	0.312	0.270	0.249	0.249	0.375	42.2	3.6	-5.0	6.2	306.2	0.0	0.734	0.601	0.472	0.0	0.0	25.0	29.5	-40.4	50.0	306.2
186	Y00C_050_0374d	0.25	0.25	0.625	0.625	0.375	0.437	0.270	0.249	0.249	0.5	42.3	7.3	-10.1	12.5	306.2	0.0	0.726	0.611	0.385	0.0	0.0	25.0	29.5	-40.4	50.0	306.2
187	Y00C_075_0504d	0.25	0.25	0.75	0.75	0.5	0.5	0.270	0.25	0.25	0.625	42.4	11.0	-15.1	18.7	306.2	0.0	0.722	0.627	0.299	0.0	0.0	25.0	29.5	-40.4	50.0	306.2
188	Y00C_087_0624d	0.25	0.25	0.875	0.875	0.625	0.562	0.270	0.25	0.25	0.875	42.6	18.4	-20.2	25.0	306.2	0.0	0.719	0.642	0.208	0.0	0.0	25.0	29.5	-40.4	50.0	306.2
189	Y00C_100_0874d	0.25	0.25	1.0	1.0	0.75	0.625	0.270	0.25	0.25	1.0	42.7	22.1	-30.3	37.5	306.2	0.0	0.711	0.661	0.100	0.0	0.0	25.0	29.5	-40.4	50.0	306.2
190	Y31C_037_0374d	0.25	0.375	0.125	0.375	0.187	0.189	0.256	0.375	0.0	44.4	7.4	16.6	18.2	114.0	0.0	0.706	0.523	0.979	0.0	0.0	77.8	-21.1	79.4	82.2	104.9	306.2
191	Y30C_037_0254d	0.25	0.375	0.25	0.375	0.125	0.312	0.250	0.375	0.124	44.8	-8.1	3.7	8.9	155.5	0.0	0.719	0.516	0.761	0.0	0.0	70.6	-29.7	66.5	72.8	114.0	155.5
192	G50B_037_0124d	0.25	0.375	0.375	0.375	0.125	0.312	0.249	0.375	0.375	46.2	-3.1	-5.1	6.0	238.4	0.0	0.735	0.5	0.448	0.0	0.0	50.0	-65.0	29.6	71.4	155.5	238.4
193	G50B_037_0124d	0.25	0.375	0.375	0.375	0.125	0.312	0.249	0.375	0.375	46.2	-3.1	-5.1	6.0	238.4	0.0	0.735	0.5	0.448	0.0	0.0	50.0	-65.0	29.6	71.4	155.5	238.4
194	G48B_050_0374d	0.25	0.375	0.625	0.625	0.375	0.437	0.251	0.25	0.368	0.625	46.2	3.7	-15.1	15.6	238.7	0.0	0.727	0.529	0.29	0.0	0.0	35.2	9.9	-40.4	41.6	238.7
195	G48B_050_0374d	0.25	0.375	0.625	0.625	0.375	0.437	0.251	0.25	0.368	0.625	46.2	3.7	-15.1	15.6	238.7	0.0	0.727	0.529	0.29	0.0	0.0	35.2	9.9	-40.4	41.6	238.7
196	G48B_075_0504d	0.25	0.375	0.875	0.875	0.625	0.562	0.259	0.25	0.364	0.875	46.0	11.6	-20.1	21.5	238.6	0.0	0.722	0.541	0.202	0.0	0.0	35.2	15.3	-40.3	43.1	238.6
197	G48B_075_0504d	0.25	0.375	0.875	0.875	0.625	0.562	0.259	0.25	0.364	0.875	46.0	11.6	-20.1	21.5	238.6	0.0	0.722	0.541	0.202	0.0	0.0	35.2	15.3	-40.3	43.1	238.6
198	G48B_100_0874d	0.25	0.375	1.0	1.0	0.875	0.625	0.261	0.25	0.362	1.0	46.0	13.5	-25.2	27.8	239.1	0.0	0.719	0.566	0.105	0.0	0.0	30.6	18.5	-40.4	44.5	239.1
199	Y40C_037_0374d	0.25	0.5	0.0	0.5	0.25	0.124	0.243	0.5	0.0	47.5	16.2	38.2	36.4	171.8	0.0	0.720	0.431	0.793	0.0	0.0	70.6	-31.4	68.5	72.8	127.0	171.8
200	Y40C_050_0374d	0.25	0.5	0.25	0.375	0.312	0.131	0.243	0.15	0.249	46.6	-15.8	7.4	17.8	155.5	0.0	0.726	0.402	0.604	0.0	0.0	50.0	-65.0	29.6	71.4	155.5	238.4
201	G50B_050_0254d	0.25	0.5	0.25	0.375	0.180	0.249	0.5	0.375	49.3	-12.1	-10.2	12.3	189.3	0.0	0.745	0.406	0.481	0.0	0.0	52.9	-48.6	-8.0	49.3	189.3	238.4	
202	G50B_050_0254d	0.25	0.5	0.25	0.375	0.180	0.249	0.5	0.375	49.3	-12.1	-10.2	12.3	189.3	0.0	0.745	0.406	0.481	0.0	0.0	52.9	-48.6	-8.0	49.3	189.3	238.4	
203	G50B_050_0254d	0.25	0.5	0.25	0.375	0.180	0.249	0.5	0.375	49.3	-12.1	-10.2	12.3	189.3	0.0	0.745	0.406	0.481	0.0	0.0	52.9	-48.6	-8.0	49.3	189.3	238.4	
204	G50B_050_0254d	0.25	0.5	0.25	0.375	0.180	0.249	0.5	0.375	49.3	-12.1	-10.2	12.3	189.3	0.0	0.745	0.406	0.481	0.0	0.0	52.9	-48.6	-8.0	49.3	189.3	238.4	
205	G50B_050_0254d	0.25	0.5	0.25	0.375	0.180	0.249	0.5	0.375	49.3	-12.1	-10.2	12.3	189.3	0.0	0.745	0.406	0.481	0.0	0.0	52.9	-48.6	-8.0	49.3	189.3	238.4	
206	G50B_050_0254d	0.25	0.5	0.25	0.375	0.180	0.249	0.5	0.375	49.3	-12.1	-10.2	12.3	189.3	0.0	0.745	0.406	0.481	0.0	0.0	52.9	-48.6	-8.0	49.3	189.3	238.4	
207	Y61C_062_0624d	0.25	0.625	0.125	0.625	0.312	0.127	0.239	0.625	0.0	50.4	-22.0	36.7	42.8	120.9	0.0	0.706	0.356	0.982	0.0	0.0	66.0	-35.2	58.8	68.6	120.9	155.5
208	Y61C_062_0624d	0.25	0.625	0.125	0.6																						

Mean color difference of this page:

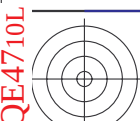
input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*

output: 3D-linearization to $cmy0^{*}_{dd}$

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TUB-test chart QE47; hue code: H_d^{*}=Y25G_dcolors and differences, ΔE^{**}

-10321

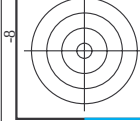
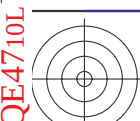


TUB registration: 20130201-QE47/QE47L0FP.PDF /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

see similar files: <http://130.149.60.45/~farbmatrik/QE47/QE47L0FP.PDF> /.PS; 3D-linearization
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

<http://130.149.60.45/~farbmatrik/QE47/QE47L0FP.PDF> /.PS; 3D-linearization
F: 3D-linearization QE47/QE47L0FP.DAT in file (F), page 25/33

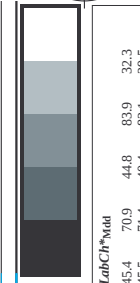
n	HVC-Fid	rgb-Fid	lch-Fid	hsv-Fid	rgb*Fid	LabCH*Fid	cmym*sep-Fid	hsvMid	rgb*Mid	LabCH*Mid	delta
405	R00Y.062.062ad	0.625 0.0 0.0	0.625 0.625 0.312	390	0.625 0.0 0.0	37.5 44.3 28.0	0.444 0.936 1.0	0.0	0.0	45.4 70.9 44.8	83.9 32.3
406	R00Y.062.062ad	0.625 0.0 0.125	0.625 0.625 0.312	379	0.625 0.0 0.114	37.6 44.3 28.4	0.445 0.94 0.9	0.0	0.0	45.4 71.8 45.1	83.9 32.3
407	R00Y.062.062ad	0.625 0.0 0.25	0.625 0.625 0.312	379	0.625 0.0 0.239	37.7 45.6 28.4	0.446 0.944 0.8	0.0	0.0	45.4 72.1 45.1	83.9 32.3
408	R00Y.062.062ad	0.625 0.0 0.375	0.625 0.625 0.312	353	0.625 0.0 0.365	37.8 47.2 28.4	0.448 0.937 0.6	0.0	0.0	45.4 72.1 45.1	83.9 32.3
409	R00Y.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 28.4	0.451 0.942 0.5	0.0	0.0	45.4 72.1 45.1	83.9 32.3
410	R00Y.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 28.4	0.456 0.941 0.4	0.0	0.0	45.4 72.1 45.1	83.9 32.3
411	R00Y.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 28.4	0.459 0.955 0.3	0.0	0.0	45.4 72.1 45.1	83.9 32.3
412	R00Y.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 28.4	0.461 0.958 0.2	0.0	0.0	45.4 72.1 45.1	83.9 32.3
413	R00Y.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 28.4	0.461 0.961 0.1	0.0	0.0	45.4 72.1 45.1	83.9 32.3
414	R00Y.062.062ad	0.625 0.125 0.0	0.625 0.625 0.312	41	0.625 0.114 0.0	41.1 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
415	R00Y.062.062ad	0.625 0.125 0.125	0.625 0.625 0.312	376	0.625 0.125 0.125	43.8 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
416	R00Y.062.062ad	0.625 0.125 0.25	0.625 0.625 0.312	360	0.625 0.125 0.25	46.1 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
417	R00Y.062.062ad	0.625 0.125 0.375	0.625 0.625 0.312	344	0.625 0.125 0.375	48.4 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
418	R00Y.062.062ad	0.625 0.125 0.5	0.625 0.625 0.312	330	0.625 0.125 0.5	50.7 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
419	R00Y.062.062ad	0.625 0.125 0.625	0.625 0.625 0.312	319	0.625 0.125 0.625	53.0 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
420	R00Y.062.062ad	0.625 0.125 0.75	0.625 0.625 0.312	309	0.625 0.125 0.75	55.3 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
421	R00Y.062.062ad	0.625 0.125 0.875	0.625 0.625 0.312	305	0.625 0.125 0.875	57.6 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
422	R00Y.062.062ad	0.625 0.125 1.0	0.625 0.625 0.312	303	0.625 0.125 1.0	59.9 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
423	R00Y.062.062ad	0.625 0.25 0.0	0.625 0.625 0.312	44	0.625 0.239 0.0	62.2 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
424	R00Y.062.062ad	0.625 0.25 0.125	0.625 0.625 0.312	53	0.625 0.25 0.125	64.5 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
425	R00Y.062.062ad	0.625 0.25 0.25	0.625 0.625 0.312	490	0.625 0.25 0.25	66.8 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
426	R00Y.062.062ad	0.625 0.25 0.375	0.625 0.625 0.312	467	0.625 0.25 0.375	69.1 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
427	R00Y.062.062ad	0.625 0.25 0.5	0.625 0.625 0.312	340	0.625 0.25 0.5	71.4 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
428	R00Y.062.062ad	0.625 0.25 0.625	0.625 0.625 0.312	330	0.625 0.25 0.625	73.7 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
429	R00Y.062.062ad	0.625 0.25 0.75	0.625 0.625 0.312	316	0.625 0.25 0.75	76.0 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
430	R00Y.062.062ad	0.625 0.25 0.875	0.625 0.625 0.312	307	0.625 0.25 0.875	78.3 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
431	R00Y.062.062ad	0.625 0.25 1.0	0.625 0.625 0.312	300	0.625 0.25 1.0	80.6 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
432	R00Y.062.062ad	0.625 0.375 0.0	0.625 0.625 0.312	67	0.625 0.385 0.0	82.9 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
433	R00Y.062.062ad	0.625 0.375 0.125	0.625 0.625 0.312	63	0.625 0.385 0.125	85.2 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
434	R00Y.062.062ad	0.625 0.375 0.25	0.625 0.625 0.312	49	0.625 0.385 0.25	87.5 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
435	R00Y.062.062ad	0.625 0.375 0.375	0.625 0.625 0.312	390	0.625 0.385 0.375	89.8 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
436	R00Y.062.062ad	0.625 0.375 0.5	0.625 0.625 0.312	360	0.625 0.385 0.5	92.1 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
437	R00Y.062.062ad	0.625 0.375 0.625	0.625 0.625 0.312	330	0.625 0.385 0.625	94.4 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
438	R00Y.062.062ad	0.625 0.375 0.75	0.625 0.625 0.312	303	0.625 0.385 0.75	96.7 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
439	R00Y.062.062ad	0.625 0.375 0.875	0.625 0.625 0.312	293	0.625 0.385 0.875	99.0 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
440	R00Y.062.062ad	0.625 0.375 1.0	0.625 0.625 0.312	293	0.625 0.385 1.0	101.3 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
441	R00Y.062.062ad	0.625 0.5 0.0	0.625 0.625 0.312	79	0.625 0.51 0.0	103.6 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
442	R00Y.062.062ad	0.625 0.5 0.125	0.625 0.625 0.312	76	0.625 0.51 0.125	105.9 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
443	R00Y.062.062ad	0.625 0.5 0.25	0.625 0.625 0.312	71	0.625 0.51 0.25	108.2 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
444	R00Y.062.062ad	0.625 0.5 0.375	0.625 0.625 0.312	60	0.625 0.51 0.375	110.5 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
445	R00Y.062.062ad	0.625 0.5 0.5	0.625 0.625 0.312	390	0.625 0.51 0.5	112.8 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
446	R00Y.062.062ad	0.625 0.5 0.625	0.625 0.625 0.312	330	0.625 0.51 0.625	115.1 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
447	R00Y.062.062ad	0.625 0.5 0.75	0.625 0.625 0.312	300	0.625 0.51 0.75	117.4 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
448	R00Y.062.062ad	0.625 0.5 0.875	0.625 0.625 0.312	289	0.625 0.51 0.875	119.7 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
449	R00Y.062.062ad	0.625 0.5 1.0	0.625 0.625 0.312	284	0.625 0.51 1.0	122.0 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
450	R00Y.062.062ad	0.625 0.625 0.0	0.625 0.625 0.312	90	0.625 0.625 0.0	124.3 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
451	R00Y.062.062ad	0.625 0.625 0.125	0.625 0.625 0.312	90	0.625 0.625 0.125	126.6 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
452	R00Y.062.062ad	0.625 0.625 0.25	0.625 0.625 0.312	90	0.625 0.625 0.25	128.9 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
453	R00Y.062.062ad	0.625 0.625 0.375	0.625 0.625 0.312	90	0.625 0.625 0.375	131.2 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
454	R00Y.062.062ad	0.625 0.625 0.5	0.625 0.625 0.312	360	0.625 0.625 0.5	133.5 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
455	R00Y.062.062ad	0.625 0.625 0.625	0.625 0.625 0.312	360	0.625 0.625 0.625	135.8 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
456	R00Y.062.062ad	0.625 0.625 0.75	0.625 0.625 0.312	270	0.625 0.625 0.75	138.1 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
457	R00Y.062.062ad	0.625 0.625 0.875	0.625 0.625 0.312	270	0.625 0.625 0.875	140.4 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
458	R00Y.062.062ad	0.625 0.625 1.0	0.625 0.625 0.312	270	0.625 0.625 1.0	142.7 66.1 28.4	0.461 0.961 0.0	0.0	0.0	45.4 72.1 45.1	83.9 32.3
459	R00Y										



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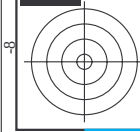
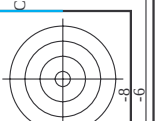
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n	HIC*Field	rgb*Field	lch*Field	hsa*Field	rgb*Field	LabCH*Field	cmyn*sep,Field	rgb*Field	hsa*Field	LabCH*Field	cmyn*sep,Field	delta
567	R00Y,087,087,Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	390	0.875, 0.0, 0.0	42.8, 62.0, 39.2	0.171, 0.983, 0.994	1.0, 0.0, 0.0	389	45.4, 70.9, 44.8	0.171, 0.983, 0.994	32.3
568	R36Y,087,087,Ad	0.875, 0.0, 0.125	0.875, 0.875, 0.437	382	0.875, 0.0, 0.116	42.9, 62.0, 34.7	0.171, 0.983, 0.883	1.0, 0.0, 0.133	382	45.5, 71.5, 39.7	0.171, 0.983, 0.883	83.9
569	R23Y,087,087,Ad	0.875, 0.0, 0.25	0.875, 0.875, 0.437	374	0.875, 0.0, 0.233	43.0, 63.2, 29.5	0.173, 0.986, 0.775	1.0, 0.0, 0.266	375	45.6, 72.3, 33.8	0.173, 0.986, 0.775	81.8
570	R00Y,087,087,Ad	0.875, 0.0, 0.375	0.875, 0.875, 0.437	365	0.875, 0.0, 0.364	43.1, 64.2, 22.7	0.173, 0.984, 0.637	1.0, 0.0, 0.416	365	45.8, 73.4, 25.9	0.173, 0.984, 0.637	79.8
571	B70K,087,087,Ad	0.875, 0.0, 0.5	0.875, 0.875, 0.437	355	0.875, 0.0, 0.51	43.2, 65.8, 14.8	0.174, 0.982, 0.508	1.0, 0.0, 0.583	354	45.9, 75.2, 16.9	0.174, 0.982, 0.508	12.7
572	B63K,087,087,Ad	0.875, 0.0, 0.625	0.875, 0.875, 0.437	346	0.875, 0.0, 0.641	43.2, 67.8, 8.3	0.176, 0.986, 0.388	1.0, 0.0, 0.733	344	45.9, 77.0, 9.4	0.176, 0.986, 0.388	7.0
573	B56K,087,087,Ad	0.875, 0.0, 0.75	0.875, 0.875, 0.437	338	0.875, 0.0, 0.758	43.2, 68.4, 3.8	0.179, 0.985, 0.29	1.0, 0.0, 0.866	337	45.9, 78.1, 4.4	0.179, 0.985, 0.29	3.2
574	B49K,087,087,Ad	0.875, 0.0, 0.875	0.875, 0.875, 0.437	330	0.875, 0.0, 0.875	43.4, 69.4, -0.1	0.182, 0.984, 0.19	1.0, 0.0, 1.0	330	46.1, 79.3, 359.8	0.182, 0.984, 0.19	0.0
575	B44K,100,100,Ad	0.875, 0.0, 1.0	0.875, 0.875, 0.437	323	0.883, 0.0, 1.0	44.3, 75.4, 43.6	0.175, 0.985, 0.115	1.0, 0.0, 0.0	323	46.1, 79.3, 359.8	0.175, 0.985, 0.115	0.0
576	R13Y,087,087,Ad	0.875, 0.125, 0.0	0.875, 0.875, 0.437	38	0.875, 0.116, 0.0	46.1, 54.3, 43.6	0.171, 0.981, 1.0	1.0, 0.0, 0.133	37	46.1, 79.3, 359.8	0.171, 0.981, 1.0	0.0
577	R00Y,087,087,Ad	0.875, 0.125, 0.125	0.875, 0.75, 0.5	390	0.875, 0.125, 0.125	49.1, 53.2, 33.6	0.135, 0.843, 0.759	1.0, 0.0, 0.0	382	46.2, 79.3, 359.8	0.135, 0.843, 0.759	0.0
578	R33Y,087,087,Ad	0.875, 0.125, 0.25	0.875, 0.75, 0.5	381	0.875, 0.125, 0.237	49.1, 53.2, 33.6	0.137, 0.846, 0.686	1.0, 0.0, 0.0	389	46.2, 79.3, 359.8	0.137, 0.846, 0.686	0.0
579	R18Y,087,087,Ad	0.875, 0.125, 0.375	0.875, 0.75, 0.5	371	0.875, 0.125, 0.362	49.3, 54.5, 23.4	0.138, 0.846, 0.592	1.0, 0.0, 0.0	371	46.2, 79.3, 359.8	0.138, 0.846, 0.592	0.0
580	R00Y,087,087,Ad	0.875, 0.125, 0.5	0.875, 0.75, 0.5	360	0.875, 0.125, 0.5	49.4, 55.6, 15.8	0.142, 0.846, 0.48	1.0, 0.0, 0.0	360	46.2, 79.3, 359.8	0.142, 0.846, 0.48	0.0
581	B65K,087,087,Ad	0.875, 0.125, 0.625	0.875, 0.75, 0.5	349	0.875, 0.125, 0.637	49.4, 57.3, 8.9	0.147, 0.852, 0.374	1.0, 0.0, 0.0	348	46.2, 79.3, 359.8	0.147, 0.852, 0.374	0.0
582	B57K,087,087,Ad	0.875, 0.125, 0.75	0.875, 0.75, 0.5	339	0.875, 0.125, 0.762	49.4, 58.5, 3.7	0.147, 0.852, 0.275	1.0, 0.0, 0.0	337	46.2, 79.3, 359.8	0.147, 0.852, 0.275	0.0
583	B49K,087,087,Ad	0.875, 0.125, 0.875	0.875, 0.75, 0.5	330	0.875, 0.125, 0.875	49.5, 59.4, -0.1	0.147, 0.852, 0.186	1.0, 0.0, 0.0	332	46.2, 79.3, 359.8	0.147, 0.852, 0.186	0.0
584	B43K,100,100,Ad	0.875, 0.125, 1.0	0.875, 0.75, 0.5	322	0.883, 0.125, 1.0	50.5, 65.5, 44.9	0.135, 0.846, 0.103	1.0, 0.0, 0.0	322	46.2, 79.3, 359.8	0.135, 0.846, 0.103	0.0
585	R15Y,087,087,Ad	0.875, 0.25, 0.0	0.875, 0.875, 0.437	46	0.875, 0.233, 0.0	50.6, 44.1, 49.4	0.167, 0.753, 1.0	1.0, 0.0, 0.266	44	46.2, 79.3, 359.8	0.167, 0.753, 1.0	0.0
586	R15Y,087,087,Ad	0.875, 0.25, 0.125	0.875, 0.75, 0.5	39	0.875, 0.237, 0.125	52.4, 45.5, 38.0	0.135, 0.764, 0.797	1.0, 0.0, 0.0	37	46.2, 79.3, 359.8	0.135, 0.764, 0.797	0.0
587	R00Y,087,087,Ad	0.875, 0.25, 0.25	0.875, 0.625, 0.562	390	0.875, 0.25, 0.25	53.3, 44.9, 28.0	0.135, 0.764, 0.704	1.0, 0.0, 0.0	389	46.2, 79.3, 359.8	0.135, 0.764, 0.704	0.0
588	R31Y,087,087,Ad	0.875, 0.25, 0.375	0.875, 0.625, 0.562	379	0.875, 0.25, 0.364	55.4, 44.9, 23.4	0.135, 0.764, 0.604	1.0, 0.0, 0.0	380	46.2, 79.3, 359.8	0.135, 0.764, 0.604	0.0
589	B60K,087,087,Ad	0.875, 0.25, 0.5	0.875, 0.625, 0.562	367	0.875, 0.25, 0.489	55.6, 44.9, 17.4	0.135, 0.764, 0.508	1.0, 0.0, 0.0	352	46.2, 79.3, 359.8	0.135, 0.764, 0.508	0.0
590	B60K,087,087,Ad	0.875, 0.25, 0.625	0.875, 0.625, 0.562	353	0.875, 0.25, 0.635	55.7, 47.2, 9.5	0.147, 0.74, 0.437	1.0, 0.0, 0.0	352	46.2, 79.3, 359.8	0.147, 0.74, 0.437	0.0
591	B53K,087,087,Ad	0.875, 0.25, 0.75	0.875, 0.625, 0.562	341	0.875, 0.25, 0.76	55.9, 48.6, 3.9	0.147, 0.74, 0.347	1.0, 0.0, 0.0	341	46.2, 79.3, 359.8	0.147, 0.74, 0.347	0.0
592	B46K,100,100,Ad	0.875, 0.25, 0.875	0.875, 0.625, 0.562	329	0.875, 0.25, 0.875	56.1, 50.8, 46.6	0.135, 0.764, 0.275	1.0, 0.0, 0.0	329	46.2, 79.3, 359.8	0.135, 0.764, 0.275	0.0
593	R15Y,087,087,Ad	0.875, 0.25, 1.0	0.875, 0.625, 0.562	321	0.887, 0.25, 1.0	57.7, 55.7, 55.7	0.135, 0.764, 0.186	1.0, 0.0, 0.0	322	46.2, 79.3, 359.8	0.135, 0.764, 0.186	0.0
594	R15Y,087,087,Ad	0.875, 0.375, 0.0	0.875, 0.875, 0.437	55	0.875, 0.364, 0.0	56.5, 32.4, 56.4	0.163, 0.625, 1.0	1.0, 0.0, 0.416	54	46.2, 79.3, 359.8	0.163, 0.625, 1.0	0.0
595	R15Y,087,087,Ad	0.875, 0.375, 0.125	0.875, 0.75, 0.5	49	0.875, 0.362, 0.125	57.4, 34.3, 44.4	0.137, 0.634, 0.826	1.0, 0.0, 0.0	48	46.2, 79.3, 359.8	0.137, 0.634, 0.826	0.0
596	R00Y,087,087,Ad	0.875, 0.375, 0.25	0.875, 0.625, 0.562	41	0.875, 0.364, 0.25	58.9, 36.1, 32.8	0.161, 0.651, 0.0	1.0, 0.0, 0.0	39	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
597	R26Y,087,087,Ad	0.875, 0.375, 0.375	0.875, 0.5, 0.625	390	0.875, 0.375, 0.375	61.6, 35.4, 22.4	0.161, 0.651, 0.0	1.0, 0.0, 0.0	389	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
598	R26Y,087,087,Ad	0.875, 0.375, 0.5	0.875, 0.5, 0.625	376	0.875, 0.375, 0.491	61.7, 37.1, 10.5	0.161, 0.651, 0.0	1.0, 0.0, 0.0	377	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
599	B61K,087,087,Ad	0.875, 0.375, 0.625	0.875, 0.5, 0.625	360	0.875, 0.375, 0.625	61.8, 37.1, 10.5	0.161, 0.651, 0.0	1.0, 0.0, 0.0	360	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
600	B50K,087,087,Ad	0.875, 0.375, 0.75	0.875, 0.5, 0.625	344	0.875, 0.375, 0.758	61.8, 38.6, 4.0	0.161, 0.651, 0.0	1.0, 0.0, 0.0	342	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
601	B40K,100,100,Ad	0.875, 0.375, 0.875	0.875, 0.5, 0.625	330	0.875, 0.375, 0.875	61.9, 39.6, -0.1	0.161, 0.651, 0.0	1.0, 0.0, 0.0	330	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
602	R58Y,087,087,Ad	0.875, 0.375, 1.0	0.875, 0.625, 0.562	319	0.885, 0.375, 1.0	62.8, 45.8, -4.4	0.161, 0.651, 0.0	1.0, 0.0, 0.0	330	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
603	R58Y,087,087,Ad	0.875, 0.5, 0.0	0.875, 0.875, 0.437	65	0.875, 0.51, 0.0	64.0, 17.7, 65.2	0.161, 0.651, 0.0	1.0, 0.0, 0.0	65	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
604	R58Y,087,087,Ad	0.875, 0.5, 0.125	0.875, 0.75, 0.5	60	0.875, 0.5, 0.125	63.6, 21.6, 51.5	0.161, 0.651, 0.0	1.0, 0.0, 0.0	59	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
605	R38Y,087,087,Ad	0.875, 0.5, 0.25	0.875, 0.625, 0.562	53	0.875, 0.489, 0.25	64.1, 24.7, 39.1	0.161, 0.651, 0.0	1.0, 0.0, 0.0	52	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
606	R23Y,087,087,Ad	0.875, 0.5, 0.375	0.875, 0.5, 0.625	44	0.875, 0.491, 0.375	65.4, 26.7, 38.2	0.161, 0.651, 0.0	1.0, 0.0, 0.0	42	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
607	R00Y,087,087,Ad	0.875, 0.5, 0.5	0.875, 0.375, 0.687	390	0.875, 0.5, 0.5	67.9, 26.6, 16.8	0.161, 0.651, 0.0	1.0, 0.0, 0.0	389	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
608	R18Y,087,087,Ad	0.875, 0.5, 0.625	0.875, 0.375, 0.687	371	0.875, 0.5, 0.618	68.0, 27.2, 11.7	0.161, 0.651, 0.0	1.0, 0.0, 0.0	371	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
609	B65K,087,087,Ad	0.875, 0.5, 0.75	0.875, 0.375, 0.687	349	0.875, 0.5, 0.756	68.1, 28.6, 4.4	0.161, 0.651, 0.0	1.0, 0.0, 0.0	348	46.2, 79.3, 359.8	0.161, 0.651, 0.0	0.0
610	B50K,087,087,Ad	0.875, 0.5, 0.875	0.875, 0.375, 0.687	330	0.875, 0.5,							

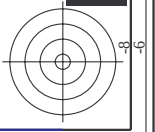


TUB registration: 20130201-QE47/QE47L0FP.PDF /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta



see similar files: <http://130.149.60.45/~farbmatrik/QE47/QE47.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



<http://130.149.60.45/~farbmatrik/QE47/QE47L0FP.PDF> /.PS; 3D-linearization
F: 3D-linearization QE47/QE47L0FP.DAT in file (F), page 28/33

n	HVC_Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb_Fid	LabCH_Fid	cmyk_sep_Fid	rgb_Fid	hsa_Fid	LabCH_Fid	Mean color difference of this page:	delta
648	R00Y_100_100ad	1.0	0.0	0.0	0.0	45.4	70.9	38.9	38.9	45.4	70.9	38.9
649	R38Y_100_100ad	1.0	0.0	0.0	0.0	45.5	71.4	40.4	40.4	45.5	71.4	40.4
650	R56Y_100_100ad	1.0	0.0	0.0	0.0	45.6	72.1	35.3	35.3	45.6	72.1	35.3
651	R83Y_100_100ad	1.0	0.0	0.0	0.0	45.8	72.9	28.7	28.7	45.8	72.9	28.7
652	R00Y_100_100ad	1.0	0.0	0.0	0.0	45.9	74.2	21.1	21.1	45.9	74.2	21.1
653	B68R_100_100ad	1.0	0.0	0.0	0.0	46.0	75.7	14.4	14.4	46.0	75.7	14.4
654	B61R_100_100ad	1.0	0.0	0.0	0.0	46.1	77.1	8.0	8.0	46.1	77.1	8.0
655	B55R_100_100ad	1.0	0.0	0.0	0.0	46.2	78.4	2.8	2.8	46.2	78.4	2.8
656	B50R_100_100ad	1.0	0.0	0.0	0.0	46.3	79.3	0.0	0.0	46.3	79.3	0.0
657	R11Y_100_100ad	1.0	0.0	0.0	0.0	46.4	80.2	37.7	37.7	46.4	80.2	37.7
658	R00Y_100_087ad	1.0	0.0	0.0	0.0	46.5	81.1	79.3	79.3	46.5	81.1	79.3
659	R38Y_100_087ad	1.0	0.0	0.0	0.0	46.6	82.1	70.9	70.9	46.6	82.1	70.9
660	R56Y_100_087ad	1.0	0.0	0.0	0.0	46.7	83.2	62.1	62.1	46.7	83.2	62.1
661	R83Y_100_087ad	1.0	0.0	0.0	0.0	46.8	84.3	54.8	54.8	46.8	84.3	54.8
662	B68R_100_087ad	1.0	0.0	0.0	0.0	46.9	85.4	48.1	48.1	46.9	85.4	48.1
663	B61R_100_087ad	1.0	0.0	0.0	0.0	47.0	86.5	41.4	41.4	47.0	86.5	41.4
664	B55R_100_087ad	1.0	0.0	0.0	0.0	47.1	87.6	34.7	34.7	47.1	87.6	34.7
665	B50R_100_087ad	1.0	0.0	0.0	0.0	47.2	88.7	28.0	28.0	47.2	88.7	28.0
666	R23Y_100_100ad	1.0	0.0	0.0	0.0	47.3	89.8	21.3	21.3	47.3	89.8	21.3
667	R13Y_100_100ad	1.0	0.0	0.0	0.0	47.4	90.9	14.6	14.6	47.4	90.9	14.6
668	R03Y_100_100ad	1.0	0.0	0.0	0.0	47.5	92.0	8.0	8.0	47.5	92.0	8.0
669	R33Y_100_075ad	1.0	0.0	0.0	0.0	47.6	93.1	2.3	2.3	47.6	93.1	2.3
670	R18Y_100_075ad	1.0	0.0	0.0	0.0	47.7	94.2	0.0	0.0	47.7	94.2	0.0
671	R03Y_100_075ad	1.0	0.0	0.0	0.0	47.8	95.3	0.0	0.0	47.8	95.3	0.0
672	B63R_100_075ad	1.0	0.0	0.0	0.0	47.9	96.4	0.0	0.0	47.9	96.4	0.0
673	B58R_100_075ad	1.0	0.0	0.0	0.0	48.0	97.5	0.0	0.0	48.0	97.5	0.0
674	B53R_100_075ad	1.0	0.0	0.0	0.0	48.1	98.6	0.0	0.0	48.1	98.6	0.0
675	R36Y_100_100ad	1.0	0.0	0.0	0.0	48.2	99.7	0.0	0.0	48.2	99.7	0.0
676	R26Y_100_087ad	1.0	0.0	0.0	0.0	48.3	100.8	0.0	0.0	48.3	100.8	0.0
677	R16Y_100_087ad	1.0	0.0	0.0	0.0	48.4	101.9	0.0	0.0	48.4	101.9	0.0
678	R06Y_100_087ad	1.0	0.0	0.0	0.0	48.5	103.0	0.0	0.0	48.5	103.0	0.0
679	R31Y_100_062ad	1.0	0.0	0.0	0.0	48.6	104.1	0.0	0.0	48.6	104.1	0.0
680	R16Y_100_062ad	1.0	0.0	0.0	0.0	48.7	105.2	0.0	0.0	48.7	105.2	0.0
681	B69R_100_062ad	1.0	0.0	0.0	0.0	48.8	106.3	0.0	0.0	48.8	106.3	0.0
682	B59R_100_062ad	1.0	0.0	0.0	0.0	48.9	107.4	0.0	0.0	48.9	107.4	0.0
683	B50Y_100_062ad	1.0	0.0	0.0	0.0	49.0	108.5	0.0	0.0	49.0	108.5	0.0
684	R50Y_100_100ad	1.0	0.0	0.0	0.0	49.1	109.6	0.0	0.0	49.1	109.6	0.0
685	R41Y_100_087ad	1.0	0.0	0.0	0.0	49.2	110.7	0.0	0.0	49.2	110.7	0.0
686	R31Y_100_075ad	1.0	0.0	0.0	0.0	49.3	111.8	0.0	0.0	49.3	111.8	0.0
687	R18Y_100_062ad	1.0	0.0	0.0	0.0	49.4	112.9	0.0	0.0	49.4	112.9	0.0
688	R03Y_100_062ad	1.0	0.0	0.0	0.0	49.5	114.0	0.0	0.0	49.5	114.0	0.0
689	R26Y_100_050ad	1.0	0.0	0.0	0.0	49.6	115.1	0.0	0.0	49.6	115.1	0.0
690	R03Y_100_050ad	1.0	0.0	0.0	0.0	49.7	116.2	0.0	0.0	49.7	116.2	0.0
691	B61R_100_050ad	1.0	0.0	0.0	0.0	49.8	117.3	0.0	0.0	49.8	117.3	0.0
692	B50R_100_050ad	1.0	0.0	0.0	0.0	49.9	118.4	0.0	0.0	49.9	118.4	0.0
693	R63Y_100_100ad	1.0	0.0	0.0	0.0	50.0	119.5	0.0	0.0	50.0	119.5	0.0
694	R38Y_100_087ad	1.0	0.0	0.0	0.0	50.1	120.6	0.0	0.0	50.1	120.6	0.0
695	R56Y_100_075ad	1.0	0.0	0.0	0.0	50.2	121.7	0.0	0.0	50.2	121.7	0.0
696	R83Y_100_062ad	1.0	0.0	0.0	0.0	50.3	122.8	0.0	0.0	50.3	122.8	0.0
697	R23Y_100_050ad	1.0	0.0	0.0	0.0	50.4	123.9	0.0	0.0	50.4	123.9	0.0
698	R03Y_100_037ad	1.0	0.0	0.0	0.0	50.5	125.0	0.0	0.0	50.5	125.0	0.0
699	R18Y_100_037ad	1.0	0.0	0.0	0.0	50.6	126.1	0.0	0.0	50.6	126.1	0.0
700	B63R_100_037ad	1.0	0.0	0.0	0.0	50.7	127.2	0.0	0.0	50.7	127.2	0.0
701	B58R_100_037ad	1.0	0.0	0.0	0.0	50.8	128.3	0.0	0.0	50.8	128.3	0.0
702	R76Y_100_100ad	1.0	0.0	0.0	0.0	50.9	129.4	0.0	0.0	50.9	129.4	0.0
703	R33Y_100_075ad	1.0	0.0	0.0	0.0	51.0	130.5	0.0	0.0	51.0	130.5	0.0
704	R18Y_100_062ad	1.0	0.0	0.0	0.0	51.1	131.6	0.0	0.0	51.1	131.6	0.0
705	B63R_100_062ad	1.0	0.0	0.0	0.0	51.2	132.7	0.0	0.0	51.2	132.7	0.0
706	B58Y_100_050ad	1.0	0.0	0.0	0.0	51.3	133.8	0.0	0.0	51.3	133.8	0.0
707	R31Y_100_037ad	1.0	0.0	0.0	0.0	51.4	134.9	0.0	0.0	51.4	134.9	0.0
708	R03Y_100_025ad	1.0	0.0	0.0	0.0	51.5	136.0	0.0	0.0	51.5	136.0	0.0
709	B50R_100_025ad	1.0	0.0	0.0	0.0	51.6	137.1	0.0	0.0	51.6	137.1	0.0
710	R88Y_100_100ad	1.0	0.0	0.0	0.0	51.7	138.2	0.0	0.0	51.7	138.2	0.0
711	R63Y_100_087ad	1.0	0.0	0.0	0.0	51.8	139.3	0.0	0.0	51.8	139.3	0.0
712	R88Y_100_075ad	1.0	0.0	0.0	0.0	51.9	140.4	0.0	0.0	51.9	140.4	0.0
713	R63Y_100_062ad	1.0	0.0	0.0	0.0	52.0	141.5	0.0	0.0	52.0	141.5	0.0
714	R81Y_100_050ad	1.0	0.0	0.0	0.0	52.1	142.6	0.0	0.0	52.1	142.6	0.0
715	R63Y_100_037ad	1.0	0.0	0.0	0.0	52.2	143.7	0.0	0.0	52.2	143.7	0.0
716	R88Y_100_025ad	1.0	0.0	0.0	0.0	52.3	144.8	0.0	0.0	52.3	144.8	0.0
717	B63R_100_012ad	1.0	0.0	0.0	0.0	52.4	145.9	0.0	0.0	52.4	145.9	0.0
718	R03Y_100_012ad	1.0	0.0	0.0	0.0	52.5	147.0	0.0	0.0	52.5	147.0	0.0
719	B50R_100_012ad	1.0	0.0	0.0	0.0	52.6	148.1	0.0	0.0	52.6	148.1	0.0
720	Y00C_100_100ad	1.0	0.0	0.0	0.0	52.7	149.2	0.0	0.0	52.7	149.2	0.0
721	Y00C_100_087ad	1.0	0.0	0.0	0.0	52.8	150.3	0.0	0.0	52.8	150.3	0.0
722	Y00C_100_075ad	1.0	0.0	0.0	0.0	52.9	151.4	0.0	0.0	52.9	151.4	0.0
723	Y00C_100_062ad	1.0	0.0	0.0	0.0	53.0	152.5	0.0	0.0	53.0	152.5	0.0
724	Y00C_100_050ad	1.0	0.0	0.0	0.0	53.1	153.6	0.0	0.0	53.1	153.6	0.0
725	Y00C_100_037ad	1.0	0.0	0.0	0.0	53.2	154.7	0.0	0.0	53.2	154.7	0.0
726	Y00C_100_025ad	1.0	0.0	0.0	0.0	53.3	155.8	0.0	0.0	53.3	155.8	0.0
727	Y00C_100_012ad	1.0	0.0	0.0	0.0	53.4	156.9	0.0	0.0	53.4	156.9	0.0
728	NW_100ad	1.0	0.0	0.0	0.0	53.5	158.0	0.0	0.0	53.5	158.0	0.0

Mean color difference of this page:

delta

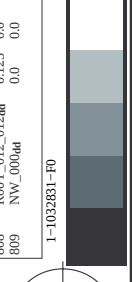
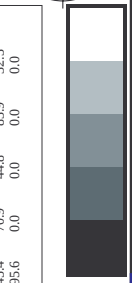
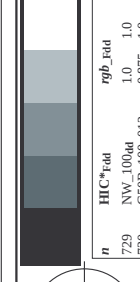
Y

O

Y

M

L



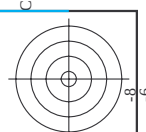
<http://130.149.60.45/~farbmatrik/QE47/QE47L0FP.PDF> /.PS; 3D-linearization F: 3D-linearization QE47/QE47L0FP.DAT in file (F), page 29/33

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

n	HC*Field	rgb_Field	lcr_Field	hsa_Field	rgb*Field	LabCh*Field	cmy0*sep_Field	hsv*Field	hsv*Mid	LabCh*Mid	delta
729	NW_100Ad	0.875	1.0	1.0	1.0	95.6	0.0	0.0	360	95.6	0.0
730	G50B_100.012Ad	0.875	1.0	1.0	1.0	90.7	0.0	0.0	210	95.6	0.0
731	G50B_100.025Ad	0.875	1.0	1.0	1.0	85.9	0.0	0.0	210	95.6	0.0
732	G50B_100.037Ad	0.875	1.0	1.0	1.0	81.1	0.0	0.0	210	95.6	0.0
733	G50B_100.050Ad	0.875	1.0	1.0	1.0	76.3	0.0	0.0	210	95.6	0.0
734	G50B_100.062Ad	0.875	1.0	1.0	1.0	71.5	0.0	0.0	210	95.6	0.0
735	G50B_100.075Ad	0.875	1.0	1.0	1.0	66.7	0.0	0.0	210	95.6	0.0
736	G50B_100.087Ad	0.875	1.0	1.0	1.0	61.9	0.0	0.0	210	95.6	0.0
737	G50B_100.100Ad	0.875	1.0	1.0	1.0	57.1	0.0	0.0	210	95.6	0.0
738	ROY_100.012Ad	0.875	1.0	1.0	1.0	52.3	0.0	0.0	360	95.6	0.0
739	ROY_100.025Ad	0.875	1.0	1.0	1.0	47.5	0.0	0.0	360	95.6	0.0
740	ROY_100.037Ad	0.875	1.0	1.0	1.0	42.7	0.0	0.0	360	95.6	0.0
741	ROY_100.050Ad	0.875	1.0	1.0	1.0	37.9	0.0	0.0	360	95.6	0.0
742	ROY_100.062Ad	0.875	1.0	1.0	1.0	33.1	0.0	0.0	360	95.6	0.0
743	ROY_100.075Ad	0.875	1.0	1.0	1.0	28.3	0.0	0.0	360	95.6	0.0
744	ROY_100.087Ad	0.875	1.0	1.0	1.0	23.5	0.0	0.0	360	95.6	0.0
745	ROY_100.100Ad	0.875	1.0	1.0	1.0	18.7	0.0	0.0	360	95.6	0.0
746	ROY_100.012Ad	0.875	1.0	1.0	1.0	13.9	0.0	0.0	360	95.6	0.0
747	ROY_100.025Ad	0.875	1.0	1.0	1.0	9.1	0.0	0.0	360	95.6	0.0
748	ROY_100.037Ad	0.875	1.0	1.0	1.0	4.3	0.0	0.0	360	95.6	0.0
749	ROY_100.050Ad	0.875	1.0	1.0	1.0	-0.5	0.0	0.0	360	95.6	0.0
750	ROY_100.062Ad	0.875	1.0	1.0	1.0	-5.3	0.0	0.0	360	95.6	0.0
751	ROY_100.075Ad	0.875	1.0	1.0	1.0	-10.1	0.0	0.0	360	95.6	0.0
752	ROY_100.087Ad	0.875	1.0	1.0	1.0	-14.9	0.0	0.0	360	95.6	0.0
753	ROY_100.100Ad	0.875	1.0	1.0	1.0	-19.7	0.0	0.0	360	95.6	0.0
754	ROY_100.012Ad	0.875	1.0	1.0	1.0	-24.5	0.0	0.0	360	95.6	0.0
755	ROY_100.025Ad	0.875	1.0	1.0	1.0	-29.3	0.0	0.0	360	95.6	0.0
756	ROY_100.037Ad	0.875	1.0	1.0	1.0	-34.1	0.0	0.0	360	95.6	0.0
757	ROY_100.050Ad	0.875	1.0	1.0	1.0	-38.9	0.0	0.0	360	95.6	0.0
758	ROY_100.062Ad	0.875	1.0	1.0	1.0	-43.7	0.0	0.0	360	95.6	0.0
759	ROY_100.075Ad	0.875	1.0	1.0	1.0	-48.5	0.0	0.0	360	95.6	0.0
760	ROY_100.087Ad	0.875	1.0	1.0	1.0	-53.3	0.0	0.0	360	95.6	0.0
761	ROY_100.100Ad	0.875	1.0	1.0	1.0	-58.1	0.0	0.0	360	95.6	0.0
762	ROY_100.012Ad	0.875	1.0	1.0	1.0	-62.9	0.0	0.0	360	95.6	0.0
763	ROY_100.025Ad	0.875	1.0	1.0	1.0	-67.7	0.0	0.0	360	95.6	0.0
764	ROY_100.037Ad	0.875	1.0	1.0	1.0	-72.5	0.0	0.0	360	95.6	0.0
765	ROY_100.050Ad	0.875	1.0	1.0	1.0	-77.3	0.0	0.0	360	95.6	0.0
766	ROY_100.062Ad	0.875	1.0	1.0	1.0	-82.1	0.0	0.0	360	95.6	0.0
767	ROY_100.075Ad	0.875	1.0	1.0	1.0	-86.9	0.0	0.0	360	95.6	0.0
768	ROY_100.087Ad	0.875	1.0	1.0	1.0	-91.7	0.0	0.0	360	95.6	0.0
769	ROY_100.100Ad	0.875	1.0	1.0	1.0	-96.5	0.0	0.0	360	95.6	0.0
770	ROY_100.012Ad	0.875	1.0	1.0	1.0	-101.3	0.0	0.0	360	95.6	0.0
771	ROY_100.025Ad	0.875	1.0	1.0	1.0	-106.1	0.0	0.0	360	95.6	0.0
772	ROY_100.037Ad	0.875	1.0	1.0	1.0	-110.9	0.0	0.0	360	95.6	0.0
773	ROY_100.050Ad	0.875	1.0	1.0	1.0	-115.7	0.0	0.0	360	95.6	0.0
774	ROY_100.062Ad	0.875	1.0	1.0	1.0	-120.5	0.0	0.0	360	95.6	0.0
775	ROY_100.075Ad	0.875	1.0	1.0	1.0	-125.3	0.0	0.0	360	95.6	0.0
776	ROY_100.087Ad	0.875	1.0	1.0	1.0	-130.1	0.0	0.0	360	95.6	0.0
777	ROY_100.100Ad	0.875	1.0	1.0	1.0	-134.9	0.0	0.0	360	95.6	0.0
778	ROY_100.012Ad	0.875	1.0	1.0	1.0	-139.7	0.0	0.0	360	95.6	0.0
779	ROY_100.025Ad	0.875	1.0	1.0	1.0	-144.5	0.0	0.0	360	95.6	0.0
780	ROY_100.037Ad	0.875	1.0	1.0	1.0	-149.3	0.0	0.0	360	95.6	0.0
781	ROY_100.050Ad	0.875	1.0	1.0	1.0	-154.1	0.0	0.0	360	95.6	0.0
782	ROY_100.062Ad	0.875	1.0	1.0	1.0	-158.9	0.0	0.0	360	95.6	0.0
783	ROY_100.075Ad	0.875	1.0	1.0	1.0	-163.7	0.0	0.0	360	95.6	0.0
784	ROY_100.087Ad	0.875	1.0	1.0	1.0	-168.5	0.0	0.0	360	95.6	0.0
785	ROY_100.100Ad	0.875	1.0	1.0	1.0	-173.3	0.0	0.0	360	95.6	0.0
786	ROY_100.012Ad	0.875	1.0	1.0	1.0	-178.1	0.0	0.0	360	95.6	0.0
787	ROY_100.025Ad	0.875	1.0	1.0	1.0	-182.9	0.0	0.0	360	95.6	0.0
788	ROY_100.037Ad	0.875	1.0	1.0	1.0	-187.7	0.0	0.0	360	95.6	0.0
789	ROY_100.050Ad	0.875	1.0	1.0	1.0	-192.5	0.0	0.0	360	95.6	0.0
790	ROY_100.062Ad	0.875	1.0	1.0	1.0	-197.3	0.0	0.0	360	95.6	0.0
791	ROY_100.075Ad	0.875	1.0	1.0	1.0	-202.1	0.0	0.0	360	95.6	0.0
792	ROY_100.087Ad	0.875	1.0	1.0	1.0	-206.9	0.0	0.0	360	95.6	0.0
793	ROY_100.100Ad	0.875	1.0	1.0	1.0	-211.7	0.0	0.0	360	95.6	0.0
794	ROY_100.012Ad	0.875	1.0	1.0	1.0	-216.5	0.0	0.0	360	95.6	0.0
795	ROY_100.025Ad	0.875	1.0	1.0	1.0	-221.3	0.0	0.0	360	95.6	0.0
796	ROY_100.037Ad	0.875	1.0	1.0	1.0	-226.1	0.0	0.0	360	95.6	0.0
797	ROY_100.050Ad	0.875	1.0	1.0	1.0	-230.9	0.0	0.0	360	95.6	0.0
798	ROY_100.062Ad	0.875	1.0	1.0	1.0	-235.7	0.0	0.0	360	95.6	0.0
799	ROY_100.075Ad	0.875	1.0	1.0	1.0	-240.5	0.0	0.0	360	95.6	0.0
800	ROY_100.087Ad	0.875	1.0	1.0	1.0	-245.3	0.0	0.0	360	95.6	0.0
801	ROY_100.100Ad	0.875	1.0	1.0	1.0	-250.1	0.0	0.0	360	95.6	0.0
802	ROY_100.012Ad	0.875	1.0	1.0	1.0	-254.9	0.0	0.0	360	95.6	0.0
803	ROY_100.025Ad	0.875	1.0	1.0	1.0	-259.7	0.0	0.0	360	95.6	0.0
804	ROY_100.037Ad	0.875	1.0	1.0	1.0	-264.5	0.0	0.0	360	95.6	0.0
805	ROY_100.050Ad	0.875	1.0	1.0	1.0	-269.3	0.0	0.0	360	95.6	0.0
806	ROY_100.062Ad	0.875	1.0	1.0	1.0	-274.1	0.0	0.0	360	95.6	0.0
807	ROY_100.075Ad	0.875	1.0	1.0	1.0	-278.9	0.0	0.0	360	95.6	0.0
808	ROY_100.087Ad	0.875	1.0	1.0	1.0	-283.7	0.0	0.0	360	95.6	0.0
809	ROY_100.100Ad	0.875	1.0	1.0	1.0	-288.5	0.0	0.0	360	95.6	0.0

QE470-7N; Page 29/33-F

TUB-test chart QE47; hue code: H*d=Y25Gd
colors and differences, ΔE*



see similar files: <http://130.149.60.45/~farbmetrik/QE47/QE47.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

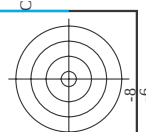
input: *rgb/cmyk* $\rightarrow$ *rgb*_{dd}
 output: 3D-linearization to

TUB-test chart QE47; hue code: H_d^{*}=Y25G_d
colors and differences, ΔE^*

[illegible]



TUB material: code=rha4ta
my0* (CMY0)



n	HC ^o -Fid	rgb _o -Fid	lcr _o -Fid	hs _o -Fid	rgb ^o -Fid	LabCh ^o -Fid	cmv ^o -sep-Fid	hs _o Δid	rgb ^o Δid	LabCh ^o Δid
972	NW_000Δid	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	0.0
973	NW_012Δid	0.125	0.125	0.125	0.125	0.0	0.885	0.774	1.0	0.0
974	NW_025Δid	0.25	0.25	0.25	0.25	0.0	0.743	0.587	0.55	0.0
975	NW_037Δid	0.375	0.375	0.375	0.375	0.0	0.653	0.473	0.452	0.0
976	NW_050Δid	0.5	0.5	0.5	0.5	0.0	0.54	0.382	0.356	0.0
977	NW_062Δid	0.625	0.625	0.625	0.625	0.0	0.417	0.26	0.26	0.0
978	NW_075Δid	0.75	0.75	0.75	0.75	0.0	0.299	0.181	0.177	0.0
979	NW_087Δid	0.875	0.875	0.875	0.875	0.0	0.162	0.101	0.093	0.0
980	NW_100Δid	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
981	NW_000Δid	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	0.0
982	NW_012Δid	0.125	0.125	0.125	0.125	0.0	0.885	0.774	1.0	0.0
983	NW_025Δid	0.25	0.25	0.25	0.25	0.0	0.743	0.587	0.55	0.0
984	NW_037Δid	0.375	0.375	0.375	0.375	0.0	0.653	0.473	0.452	0.0
985	NW_050Δid	0.5	0.5	0.5	0.5	0.0	0.54	0.382	0.356	0.0
986	NW_062Δid	0.625	0.625	0.625	0.625	0.0	0.417	0.26	0.26	0.0
987	NW_075Δid	0.75	0.75	0.75	0.75	0.0	0.299	0.181	0.177	0.0
988	NW_087Δid	0.875	0.875	0.875	0.875	0.0	0.162	0.101	0.093	0.0
989	NW_100Δid	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
990	NW_000Δid	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	0.0
991	NW_012Δid	0.125	0.125	0.125	0.125	0.0	0.885	0.774	1.0	0.0
992	NW_025Δid	0.25	0.25	0.25	0.25	0.0	0.743	0.587	0.55	0.0
993	NW_037Δid	0.375	0.375	0.375	0.375	0.0	0.653	0.473	0.452	0.0
994	NW_050Δid	0.5	0.5	0.5	0.5	0.0	0.54	0.382	0.356	0.0
995	NW_062Δid	0.625	0.625	0.625	0.625	0.0	0.417	0.26	0.26	0.0
996	NW_075Δid	0.75	0.75	0.75	0.75	0.0	0.299	0.181	0.177	0.0
997	NW_087Δid	0.875	0.875	0.875	0.875	0.0	0.162	0.101	0.093	0.0
998	NW_100Δid	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
999	NW_000Δid	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	0.0
1000	NW_012Δid	0.125	0.125	0.125	0.125	0.0	0.885	0.774	1.0	0.0
1001	NW_025Δid	0.25	0.25	0.25	0.25	0.0	0.743	0.587	0.55	0.0
1002	NW_037Δid	0.375	0.375	0.375	0.375	0.0	0.653	0.473	0.452	0.0
1003	NW_050Δid	0.5	0.5	0.5	0.5	0.0	0.54	0.382	0.356	0.0
1004	NW_062Δid	0.625	0.625	0.625	0.625	0.0	0.417	0.26	0.26	0.0
1005	NW_075Δid	0.75	0.75	0.75	0.75	0.0	0.299	0.181	0.177	0.0
1006	NW_087Δid	0.875	0.875	0.875	0.875	0.0	0.162	0.101	0.093	0.0
1007	NW_100Δid	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
1008	NW_000Δid	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	0.0
1009	NW_012Δid	0.125	0.125	0.125	0.125	0.0	0.885	0.774	1.0	0.0
1010	NW_025Δid	0.25	0.25	0.25	0.25	0.0	0.743	0.587	0.55	0.0
1011	NW_037Δid	0.375	0.375	0.375	0.375	0.0	0.653	0.473	0.452	0.0
1012	NW_050Δid	0.5	0.5	0.5	0.5	0.0	0.54	0.382	0.356	0.0
1013	NW_062Δid	0.625	0.625	0.625	0.625	0.0	0.417	0.26	0.26	0.0
1014	NW_075Δid	0.75	0.75	0.75	0.75	0.0	0.299	0.181	0.177	0.0
1015	NW_087Δid	0.875	0.875	0.875	0.875	0.0	0.162	0.101	0.093	0.0
1016	NW_100Δid	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
1017	NW_000Δid	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	0.0
1018	NW_012Δid	0.125	0.125	0.125	0.125	0.0	0.885	0.774	1.0	0.0
1019	NW_025Δid	0.25	0.25	0.25	0.25	0.0	0.743	0.587	0.55	0.0
1020	NW_037Δid	0.375	0.375	0.375	0.375	0.0	0.653	0.473	0.452	0.0
1021	NW_050Δid	0.5	0.5	0.5	0.5	0.0	0.54	0.382	0.356	0.0
1022	NW_062Δid	0.625	0.625	0.625	0.625	0.0	0.417	0.26	0.26	0.0
1023	NW_075Δid	0.75	0.75	0.75	0.75	0.0	0.299	0.181	0.177	0.0
1024	NW_087Δid	0.875	0.875	0.875	0.875	0.0	0.162	0.101	0.093	0.0
1025	NW_100Δid	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
1026	NW_000Δid	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	0.0
1027	NW_012Δid	0.125	0.125	0.125	0.125	0.0	0.885	0.774	1.0	0.0
1028	NW_025Δid	0.25	0.25	0.25	0.25	0.0	0.743	0.587	0.55	0.0
1029	NW_037Δid	0.375	0.375	0.375	0.375	0.0	0.653	0.473	0.452	0.0
1030	NW_050Δid	0.5	0.5	0.5	0.5	0.0	0.54	0.382	0.356	0.0
1031	NW_062Δid	0.625	0.625	0.625	0.625	0.0	0.417	0.26	0.26	0.0
1032	NW_075Δid	0.75	0.75	0.75	0.75	0.0	0.299	0.181	0.177	0.0
1033	NW_087Δid	0.875	0.875	0.875	0.875	0.0	0.162	0.101	0.093	0.0
1034	NW_100Δid	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
1035	NW_000Δid	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	0.0
1036	NW_012Δid	0.125	0.125	0.125	0.125	0.0	0.885	0.774	1.0	0.0
1037	NW_025Δid	0.25	0.25	0.25	0.25	0.0	0.743	0.587	0.55	0.0
1038	NW_037Δid	0.375	0.375	0.375	0.375	0.0	0.653	0.473	0.452	0.0
1039	NW_050Δid	0.5	0.5	0.5	0.5	0.0	0.54	0.382	0.356	0.0
1040	NW_062Δid	0.625	0.625	0.625	0.625	0.0	0.417	0.26	0.26	0.0
1041	NW_075Δid	0.75	0.75	0.75	0.75	0.0	0.299	0.181	0.177	0.0
1042	NW_087Δid	0.875	0.875	0.875	0.875	0.0	0.162	0.101	0.093	0.0
1043	NW_100Δid	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
1044	NW_000Δid	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	0.0
1045	NW_012Δid	0.125	0.125	0.125	0.125	0.0	0.885	0.774	1.0	0.0
1046	NW_025Δid	0.25	0.25	0.25	0.25	0.0	0.743	0.587	0.55	0.0
1047	NW_037Δid	0.375	0.375	0.375	0.375	0.0	0.653	0.473	0.452	0.0
1048	NW_050Δid	0.5	0.5	0.5	0.5	0.0	0.54	0.382	0.356	0.0
1049	NW_062Δid	0.625	0.625	0.625	0.625	0.0	0.417	0.26	0.26	0.0
1050	NW_075Δid	0.75	0.75	0.75	0.75	0.0	0.299	0.181	0.177	0.0
1051	NW_087Δid	0.875	0.875	0.875	0.875	0.0	0.162	0.101	0.093	0.0
1052	NW_100Δid	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0

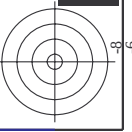
Mean color difference of this row

1022121-E0

DE470-7N. Page 32/33-F

TUB-test chart QE47; hue code: H_d^{*}=Y25G_d^{*}
colors and differences. ΔE_{ab}^{*}

input: *rgb/cmyk* $\rightarrow$ *rgb_{add}*
output: 3D-linearization to *cmv0**_{add}



TUB registration: 20130201-QE47/QE47L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)

n	HVC*Fid	rgb_Fid	lcr_Fid	hsa_Fid	rgb*Fid	LabCH*Fid	cmy0*_sep_Fid	cmyn*_sep_Fid	hsv*_dd	rgb*_dd	LabCH*_dd	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 86.6 86.6	0.173 0.108 0.099	0.009 0.054 0.005	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 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 90.8 90.8	0.09 0.054 0.005	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 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 95.6 95.6	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 95.6 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 29.0 29.0	0.935 0.855 0.825	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 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 33.8 33.8	0.879 0.763 0.725	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1058	NW_013dd	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	38.6 38.6 38.6	0.799 0.661 0.614	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1059	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 43.3 43.3	0.731 0.571 0.537	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1060	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 48.1 48.1	0.682 0.507 0.485	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1061	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 52.8 52.8	0.636 0.454 0.433	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1062	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 57.5 57.5	0.574 0.404 0.381	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1063	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 62.3 62.3	0.509 0.354 0.33	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 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 62.3 62.3	0.442 0.285 0.278	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 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 67.1 67.1	0.377 0.228 0.228	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 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 71.8 71.8	0.314 0.191 0.186	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 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 76.6 76.6	0.252 0.153 0.146	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 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 81.3 81.3	0.173 0.108 0.099	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 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	86.6 86.6 86.6	0.09 0.054 0.005	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 95.6 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 90.8 90.8	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 95.6 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 95.6 95.6	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 95.6 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	24.3 24.3 24.3	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 95.6 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 95.6 95.6	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 95.6 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	0.0 0.0 0.0	1.0 0.0 0.0	45.4 70.9 44.8	83.9 32.3 238.4
1075	Y06B_100_100dd	1.0 1.0 0.0	1.0 1.0 0.0	1.0 1.0 0.0	1.0 1.0 0.0	56.8 96.1 25.5	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 0.0	56.8 96.1 25.5	96.1 96.0 96.1
1076	B06B_100_100dd	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	25.0 25.0 96.1	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 1.0	25.0 25.0 96.1	96.0 96.0 96.0
1077	B06B_100_100dd	0.0 1.0 0.0	0.0 1.0 0.0	0.0 1.0 0.0	0.0 1.0 0.0	50.0 96.1 25.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	50.0 96.1 25.0	96.0 96.0 96.0
1078	B06B_100_100dd	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	96.1 25.0 50.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	96.1 25.0 50.0	96.0 96.0 96.0
1079	B50B_100_100dd	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	50.0 96.1 25.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	50.0 96.1 25.0	96.0 96.0 96.0

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

TUB-test chart QE47; hue code: H*_d=Y25Gd
colors and differences, ΔE^*