

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

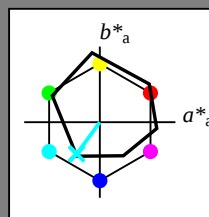
Data for any device (d) or elementary (e) colour:

HIC^*

hue text for the colours of this page:

$H^*_ = G50B_-$

triangle lightness T^*



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

Data for maximum colour (Ma):

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

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

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

0.0 1.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

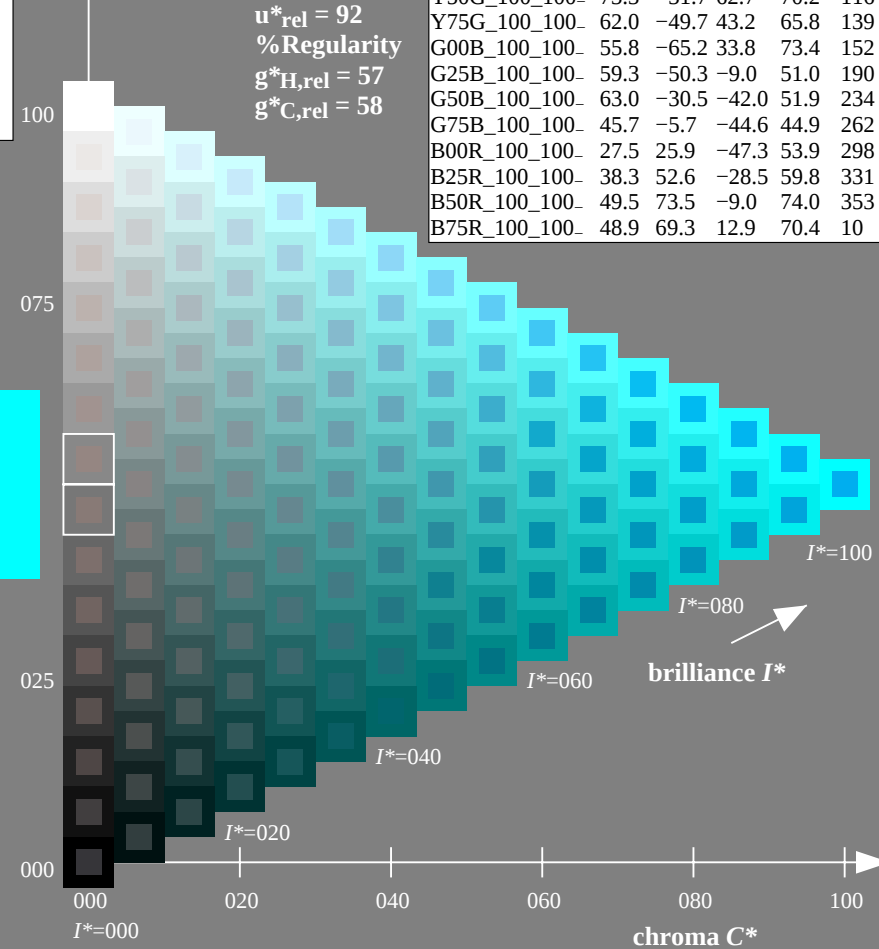
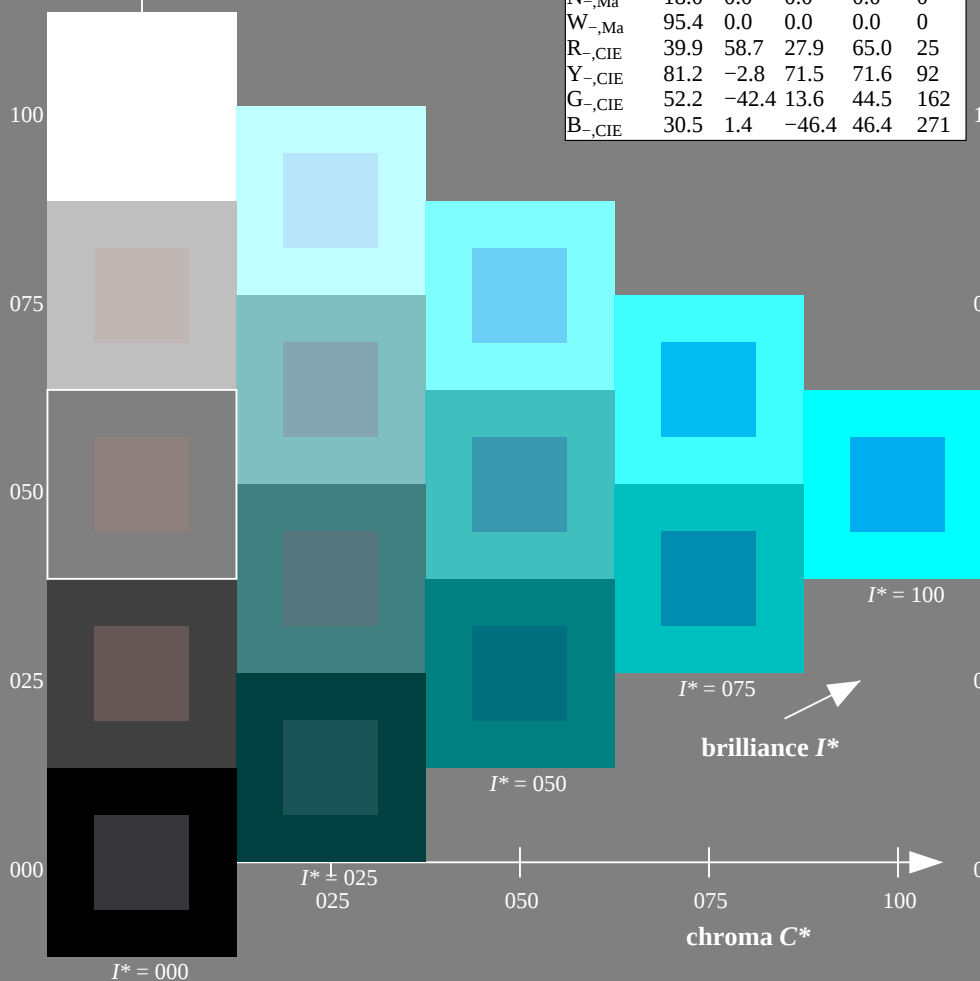
$u^*_{rel} = 92$

% Regularity

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

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

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



TUB-test chart QE94; hue code: $H^*_ = G50B_-$
Test chart according to DIN 33872, 3D=1, de=0, cmk^*

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

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 236/360 = 0.65$

$H^*_d = G50B_d$

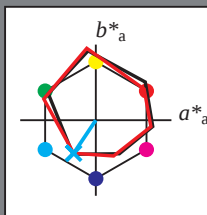
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = G50B_d$

triangle lightness T^*



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

Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 58 -29 -43 52 236

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

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

0.0 1.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

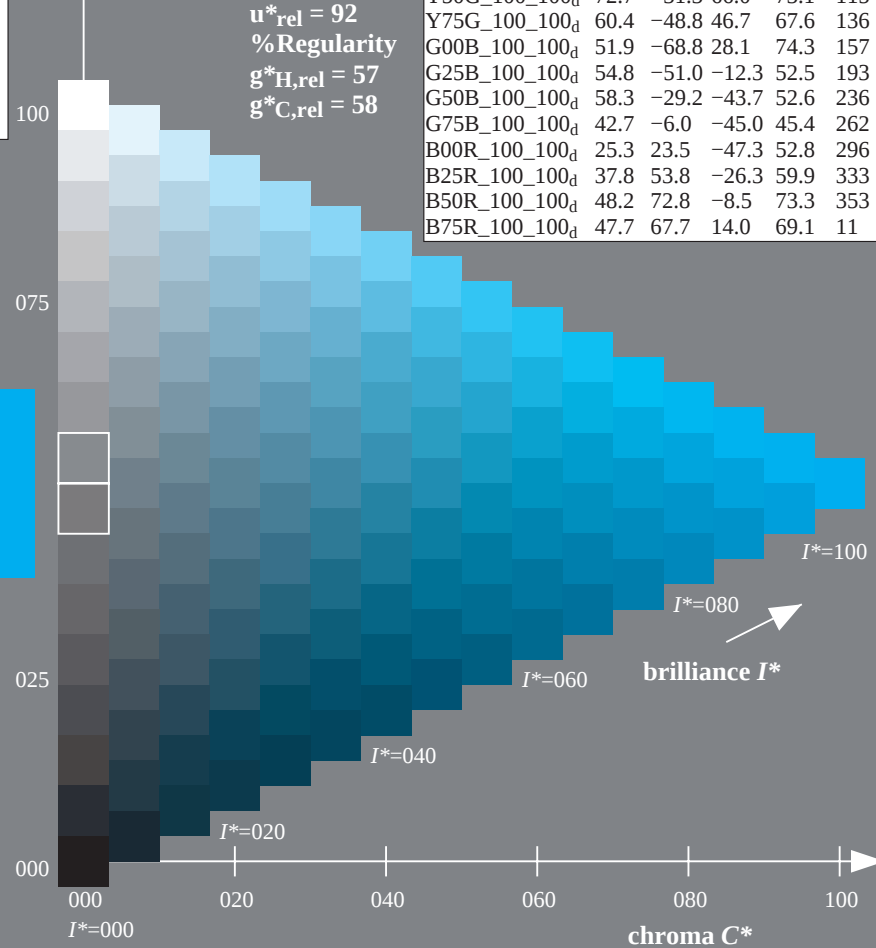
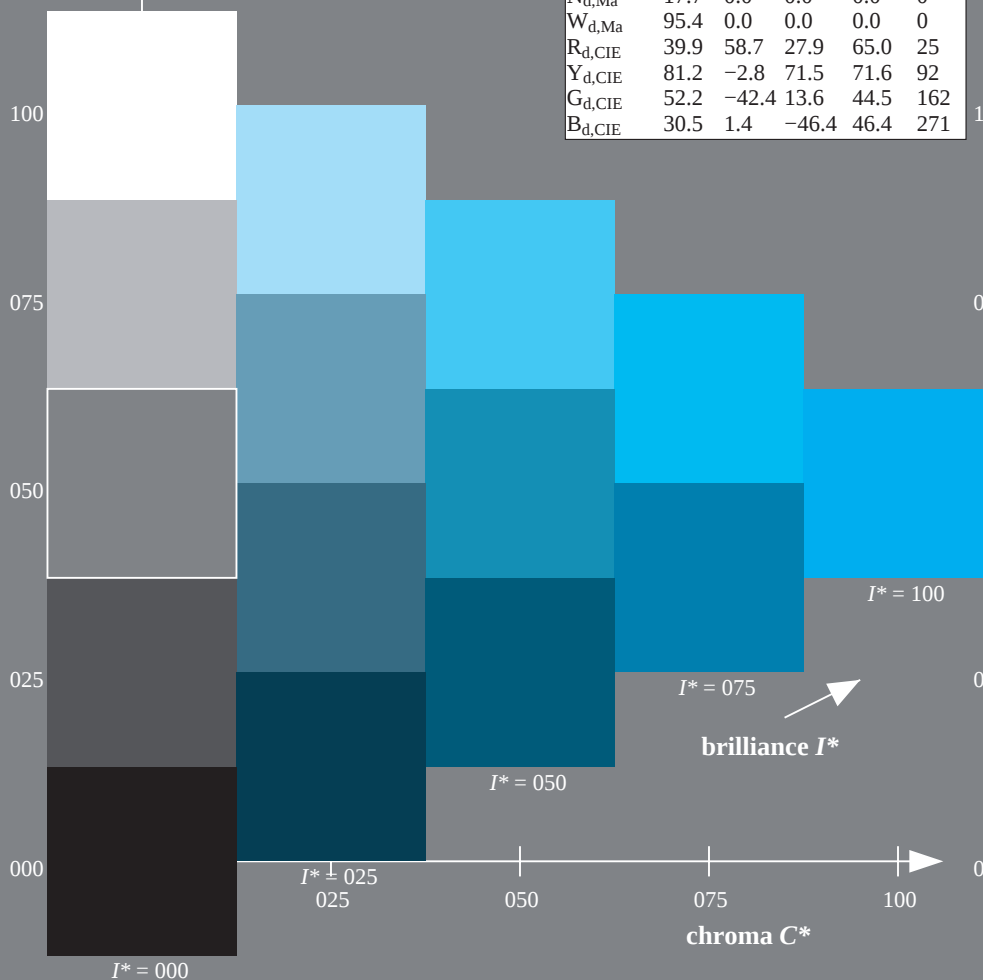
$u^*_{rel} = 92$

% Regularity

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

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

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



TUB-test chart QE94; hue code: $H^*_d=G50B_d$
Test chart according to DIN 33872, 3D=1, de=0, $cm\dot{y}k^*$

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

TUB registration: 20130201-QE94/QE94L0FP.PDF /.PS
application for measurement of offset print output, separation $cm\dot{y}n6^*$ (CMYK)

TUB material: code=rha4ta

Input and Output: Offset Reflective System ORS18a for relative CIE LAB hue $h_{ab,rel} = h_{ab}/360 = 236/360 = 0.65$

$H^*_d = G50B_d$

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

HIC^*_d

hue text for the colours of this page:

$H^*_d = G50B_d$

triangle lightness T^*

Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 58 -29 -43 52 236

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

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

0.0 1.0 1.0 1.0 1.0

triangle lightness T^*

%Gamut

$u^*_{rel} = 92$

%Regularity

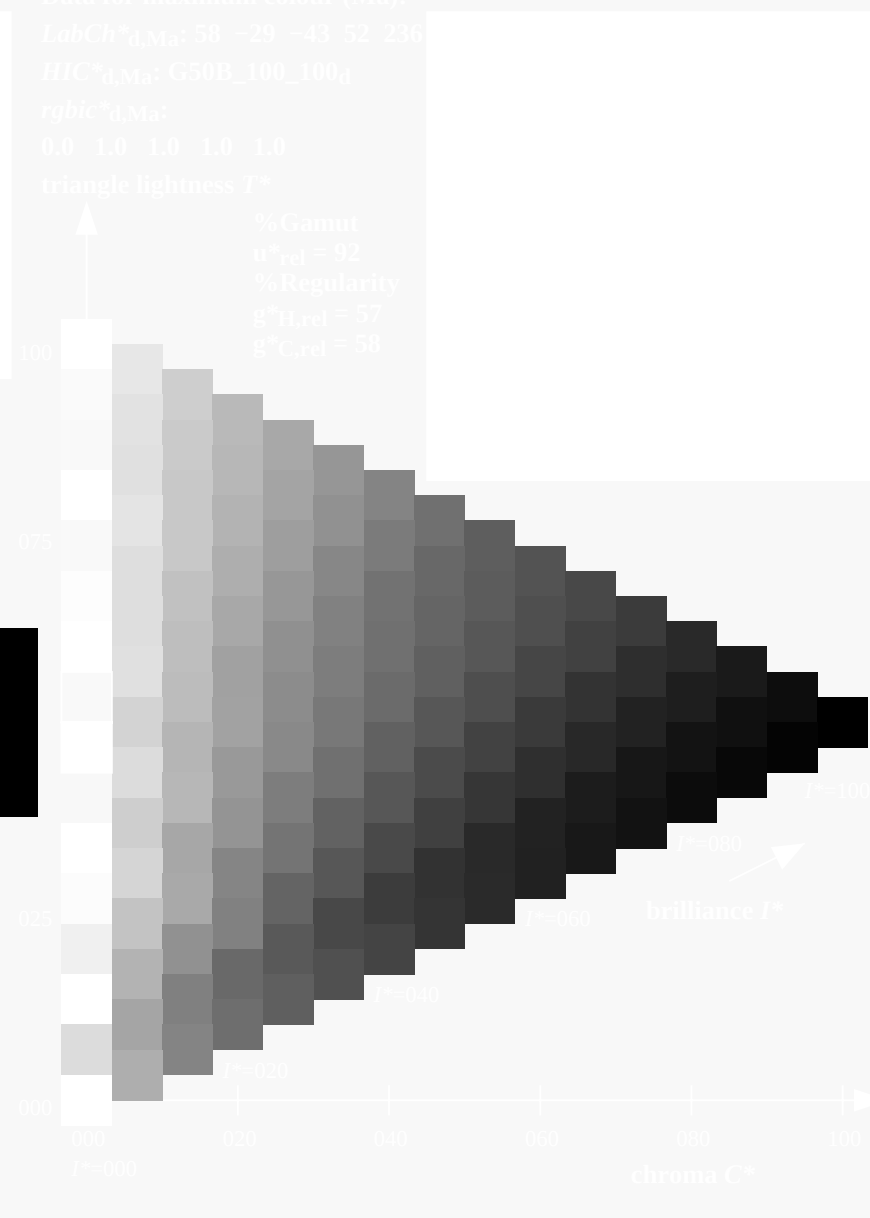
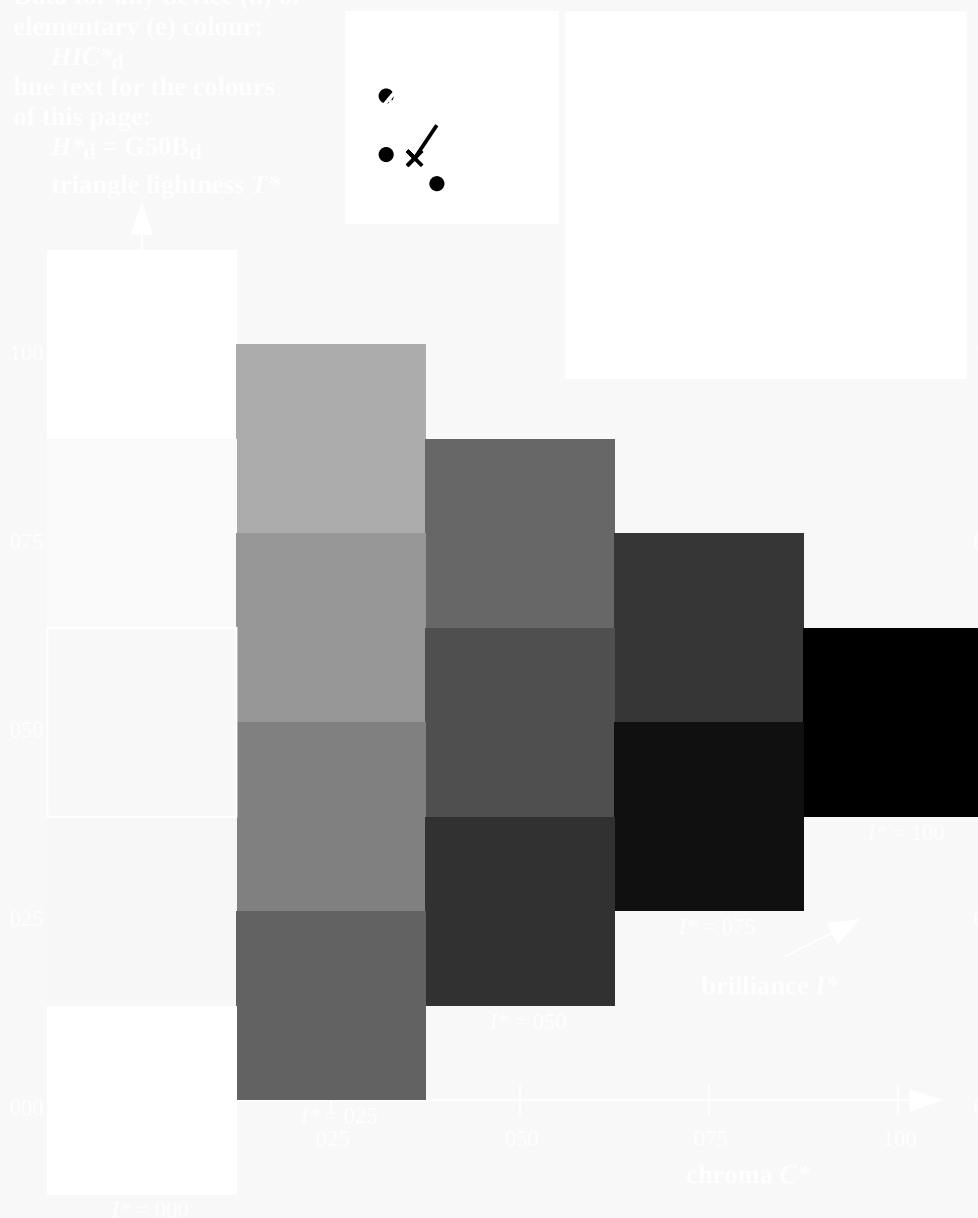
$g^*H_{rel} = 57$

$g^*C_{rel} = 58$

see similar files: <http://130.149.60.45/~farbmetrik/QE94/QE94L0FP.PDF> /.PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE94/QE94L0FP.PDF /.PS
application for measurement of offset print output, separation cmyk* (CMYK)

TUB material: code=rha4ta



1-103230-L0 QE940-72

TUB-test chart QE94; hue code: $H^*_d = G50B_d$
Test chart according to DIN 33872, 3D=1, de=0, cmyk*

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

1-103230-F0

TUB registration: 20130201-QE94/QE94L0FP.PDF /.PS
application for measurement of offset print output, separation cmyk6* (CMYK)

TUB material: code=rh4ta

1-103330-L0 QE940-72
TUB-test chart QE94; hue code: $H^*_d = G50B_d$
Test chart according to DIN 33872, 3D=1, $de=0$, cmyk*

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

see similar files: <http://130.149.60.45/~farbmetrik/QE94/QE94.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 236/360 = 0.65$

$H^*_d = G50B_d$

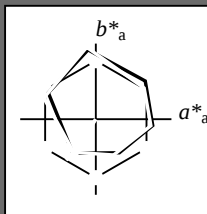
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours
of this page:

$H^*_d = G50B_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 58 -29 -43 52 236

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

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

0.0 1.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

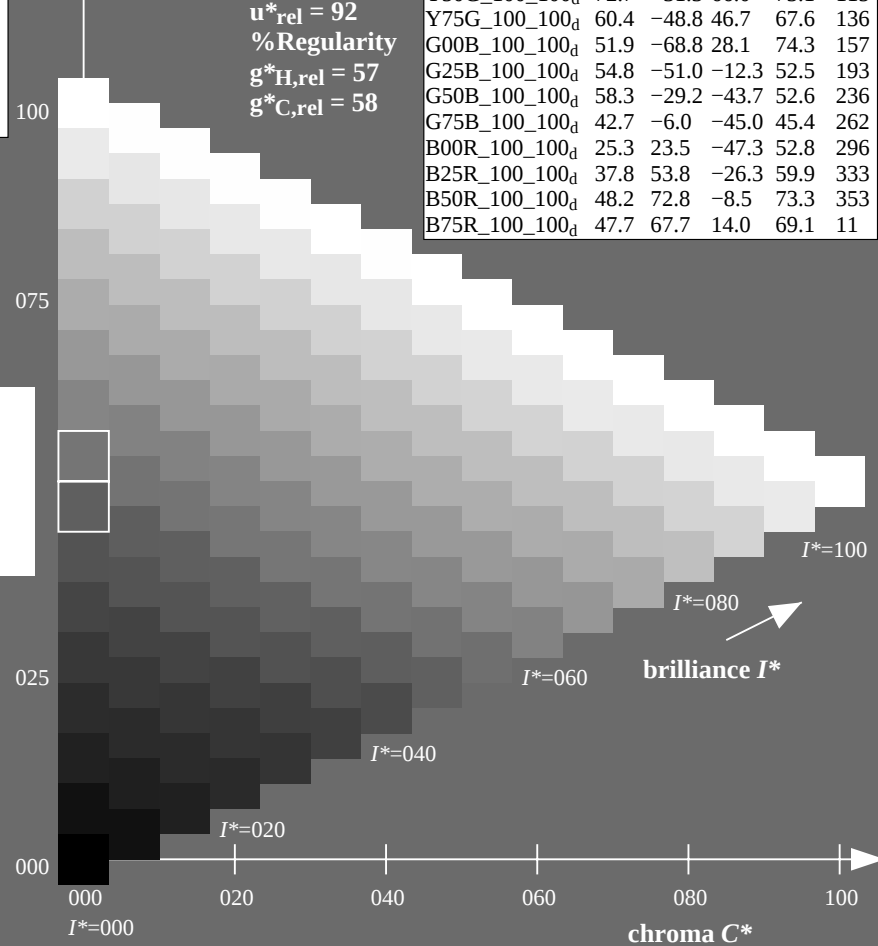
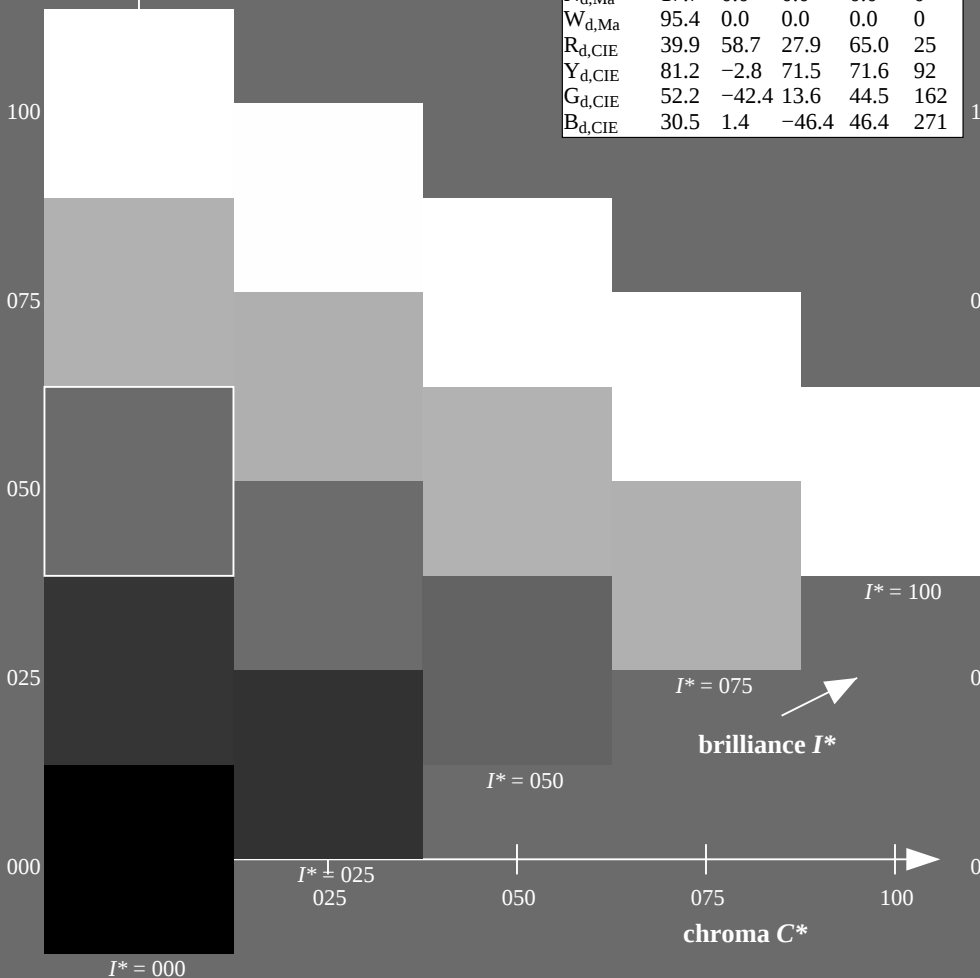
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

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



1-103530-L0 QE940-72

TUB-test chart QE94; hue code: $H^*_d=G50B_d$

Test chart according to DIN 33872, 3D=1, de=0, $cm\dot{y}k^*$

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

output: 3D-linearization to $cm\dot{y}k^*_{dd}$

TUB registration: 20130201-QE94/QE94L0FP.PDF /.PS
application for measurement of offset print output, separation $cm\dot{y}n6^*$ (CMYK)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$J=Y_d$ Yellow

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

$L=G_d$ leaf-green

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

$C=C_d$ cyan-blue

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

$O=R_d$ orange-red

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

$M=M_d$ magenta-red

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

$V=B_d$ violet-blue

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

Y_e yellow elementary CIELAB (a^*_e, b^*_e) chroma diagram

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

G_e green

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

C_e blue-green

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

B_e blue

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

R_e red

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

M_e blue-red

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

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

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

G_s green

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

R_s red

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

M_s blue-red

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

C_s blue-green

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

B_s blue

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

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

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

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

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

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

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

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

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

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

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

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

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

1-103630-L0 QE940-72 LAB*La0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

TUB-test chart QE94; hue code: $H^*_d=G50B_d$
48 step hue circles; $rgb-LabCh^*$ -tables

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

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

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

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}			LAB^*_{dd64M} (x=LabCh)				$rgb^*_{dsx361M}$			$LAB^*_{dsx361M}$ (x=LabCh)				$rgb^*_{dex361M}$			$LAB^*_{dex361M}$						
32.8	30.0	25.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	1.0	0.0	0.0	47.4	63.9	41.2	76.0	32	1.0	0.0	0.209	47.6	64.9	30.9	71.9	25
40.4	37.5	33.8	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4	1.0	0.117	0.0	51.0	55.5	46.5	72.4	39	1.0	0.069	0.0	49.5	59.0	44.5	73.9	37
50.0	45.0	42.1	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0	1.0	0.25	0.0	56.0	44.4	53.0	69.2	50	1.0	0.185	0.0	53.5	50.0	50.0	70.7	45
61.1	52.5	50.5	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1	1.0	0.367	0.0	61.1	34.0	59.9	68.9	60	1.0	0.272	0.0	57.0	42.6	54.5	69.1	52
71.4	60.0	58.8	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	1.0	0.5	0.0	67.2	22.6	67.6	71.3	71	1.0	0.362	0.0	60.9	34.5	59.7	68.9	60
81.7	67.5	67.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7	1.0	0.617	0.0	73.2	11.9	75.7	76.6	81	1.0	0.446	0.0	64.7	27.4	64.7	70.3	67
88.5	75.0	75.6	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5	1.0	0.75	0.0	79.3	2.0	83.1	83.1	88	1.0	0.543	0.0	69.4	19.0	70.7	73.2	75
93.6	82.5	83.9	1.0	0.875	0.0	84.2	-5.7	89.4	89.6	93.6	1.0	0.867	0.0	84.0	-5.1	89.1	89.2	93	1.0	0.629	0.0	73.8	10.7	76.5	77.2	82
97.1	90.0	92.3	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97.1	1.0	1.0	0.0	88.4	-11.9	95.1	95.9	97	1.0	0.785	0.0	80.7	0.0	84.9	84.9	90
100.3	97.5	101.0	0.875	1.0	0.0	85.8	-16.2	88.6	90.0	100.3	0.883	1.0	0.0	86.0	-15.9	89.0	90.5	100	1.0	0.994	0.0	88.2	-11.5	94.8	95.6	97
103.3	105.0	109.7	0.75	1.0	0.0	82.9	-19.7	83.0	85.3	103.3	0.75	1.0	0.0	83.0	-19.6	83.0	85.3	103	0.709	1.0	0.0	81.0	-21.6	80.9	83.7	105
108.3	112.5	118.5	0.625	1.0	0.0	77.0	-25.2	76.3	80.4	108.3	0.633	1.0	0.0	77.5	-24.8	76.8	80.8	107	0.56	1.0	0.0	74.9	-28.6	71.1	76.6	112
115.3	120.0	127.2	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115.3	0.5	1.0	0.0	72.8	-31.3	66.1	73.1	115	0.418	1.0	0.0	70.3	-35.1	60.9	70.3	120
122.4	127.5	136.0	0.375	1.0	0.0	68.9	-36.9	58.1	68.8	122.4	0.383	1.0	0.0	69.2	-36.5	58.6	69.1	121	0.329	1.0	0.0	66.0	-41.1	54.6	68.4	127
134.9	135.0	144.7	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134.9	0.25	1.0	0.0	60.9	-47.7	47.9	67.7	134	0.249	1.0	0.0	60.9	-47.7	47.8	67.7	135
144.6	142.5	153.4	0.125	1.0	0.0	57.4	-54.9	38.9	67.3	144.6	0.133	1.0	0.0	57.6	-54.4	39.6	67.4	144	0.159	1.0	0.0	58.4	-53.0	41.5	67.4	142
157.7	150.0	162.2	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157.7	0.0	1.0	0.0	52.0	-68.8	28.1	74.4	157	0.074	1.0	0.0	55.2	-60.7	35.1	70.2	150
163.7	157.5	169.0	0.0	1.0	0.125	52.5	-66.4	19.3	69.1	163.7	0.0	1.0	0.117	52.5	-66.5	19.9	69.5	163	0.008	1.0	0.0	52.3	-68.0	28.9	73.9	157
170.9	165.0	175.9	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170.9	0.0	1.0	0.25	53.3	-61.9	9.8	62.8	170	0.0	1.0	0.147	52.7	-65.7	17.6	68.1	165
181.0	172.5	182.7	0.0	1.0	0.375	54.1	-56.9	-1.0	56.9	181.0	0.0	1.0	0.367	54.0	-57.3	-0.3	57.4	180	0.0	1.0	0.263	53.4	-61.5	8.7	62.2	172
193.5	180.0	189.6	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193.5	0.0	1.0	0.5	54.8	-51.0	-12.2	52.6	193	0.0	1.0	0.362	54.0	-57.5	0.0	57.6	180
205.9	187.5	196.4	0.0	1.0	0.625	55.8	-45.1	-21.9	50.1	205.9	0.0	1.0	0.617	55.8	-45.5	-21.3	50.3	205	0.0	1.0	0.434	54.5	-54.4	-6.6	54.9	187
218.4	195.0	203.2	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218.4	0.0	1.0	0.75	56.8	-38.9	-30.8	49.8	218	0.0	1.0	0.514	55.0	-50.4	-13.4	52.3	195
227.3	202.5	210.1	0.0	1.0	0.875	57.5	-34.3	-37.2	50.6	227.3	0.0	1.0	0.867	57.5	-34.6	-36.8	50.6	226	0.0	1.0	0.585	55.5	-47.1	-19.0	50.9	202
236.1	210.0	216.9	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236.1	0.0	1.0	1.0	58.3	-29.2	-43.6	52.6	236	0.0	1.0	0.666	56.1	-43.2	-24.9	50.0	210
240.3	217.5	223.8	0.0	0.875	1.0	55.2	-25.0	-43.9	50.5	240.3	0.0	0.883	1.0	55.5	-25.2	-43.8	50.7	240	0.0	1.0	0.736	56.7	-39.7	-29.9	49.8	217
245.8	225.0	230.6	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245.8	0.0	0.75	1.0	51.8	-19.7	-44.1	48.4	245	0.0	1.0	0.842	57.4	-35.6	-35.6	50.4	225
252.5	232.5	237.5	0.0	0.625	1.0	47.7	-13.9	-44.4	46.5	252.5	0.0	0.633	1.0	48.0	-14.2	-44.3	46.7	252	0.0	1.0	0.941	58.0	-31.7	-40.7	51.7	232
262.3	240.0	244.3	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262.3	0.0	0.5	1.0	42.8	-5.9	-44.9	45.4	262	0.0	0.886	1.0	55.5	-25.3	-43.8	50.7	240
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	-45.4	45.4	271.7	0.0	0.383	1.0	38.3	0.9	-45.3	45.4	271	0.0	0.729	1.0	51.1	-18.7	-44.2	48.1	247
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281.6	0.0	0.25	1.0	33.3	9.5	-45.9	47.0	281	0.0	0.594	1.0	46.5	-11.9	-44.6	46.3	255
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	-46.9	50.1	290.3	0.0	0.133	1.0	28.9	16.9	-46.9	49.9	289	0.0	0.505	1.0	43.0	-6.2	-44.9	45.5	262
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296.4	0.0	0.0	1.0	25.3	23.5	-47.3	52.9	296	0.0	0.398	1.0	38.8	0.0	-45.3	45.4	270
306.7	277.5	278.8	0.125	0.0	1.0	29.3	31.8	-42.6	53.1	306.7	0.117	0.0	1.0	29.1	31.3	-42.9	53.1	306	0.0	0.309	1.0	35.5	5.6	-45.8	46.3	277
312.7	285.0	285.9	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312.7	0.25	0.0	1.0	31.6	36.3	-39.1	53.4	312	0.0	0.202	1.0	31.5	12.5	-46.5	48.2	285
326.7	292.5	293.0	0.375	0.0	1.0	33.8	47.6	-31.2	56.9	326.7	0.367	0.0	1.0	33.7	46.9	-31.8	56.7	325	0.0	0.091	1.0	27.7	19.1	-47.1	50.9	292
333.9	300.0	300.1	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333.9	0.5	0.0	1.0	37.9	53.8	-26.3	59.9	333	0.043	0.0	1.0	26.7	26.5	-45.8	53.0	300
339.6	307.5	307.2	0.625	0.0	1.0	40.9	58.8	-21.8	62.7	339.6	0.617	0.0	1.0	40.8	58.5	-22.1	62.6	339	0.13	0.0	1.0	29.4	32.0	-42.4	53.2	307
347.2	315.0	314.3	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347.2	0.75	0.0	1.0	43.1	66.0	-14.9	67.6	347	0.27	0.0	1.0	31.9	38.2	-38.1	54.0	315
350.2	322.5	321.4	0.875	0.0	1.0	45.9	69.4	-11.9	70.5	350.2	0.867	0.0	1.0	45.8	69.3	-12.0	70.3	350	0.333	0.0	1.0	33.1	43.9	-34.2	55.8	322
353.3	330.0	328.6	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	353.3	1.0	0.0	1.0	48.3	72.9	-8.5	73.4	353	0.432	0.0	1.0	35.7	50.5	-29.1	58.3	330
356.5	337.5	335.7	1.0	0.0	0.875	48.2	71.6	-4.3	71.7	356.5	1.0	0.0	0.883	48.3	71.7	-4.5	71.9	356	0.567	0.0	1.0	39.6	56.6	-23.9	61.5	337
360.3	345.0	342.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3	1.0	0.0	0.75	48.2	70.5											

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}			$LAB^*_{dd64M} (x=LabCh)$							$rgb^*_{dex361M}$					$LAB^*_{dex361M}$							rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
32.8	30.0	25.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	32.8			1.0	0.0	0.209	47.6	64.9	30.9	71.9	25						
40.4	37.5	33.8	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4	40.4			1.0	0.007	0.0	47.6	63.4	41.6	75.8	33						
50.0	45.0	42.1	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0	50.0			1.0	0.148	0.0	52.1	53.0	48.1	71.6	42						
61.1	52.5	50.5	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1	61.1			1.0	0.25	0.0	56.0	44.5	53.0	69.2	49						
71.4	60.0	58.8	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	71.4			1.0	0.35	0.0	60.3	35.6	59.0	69.0	58						
81.7	67.5	67.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7	81.7			1.0	0.442	0.0	64.5	27.8	64.5	70.2	66						
88.5	75.0	75.6	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5	88.5			1.0	0.55	0.0	69.8	18.3	71.3	73.6	75						
93.6	82.5	83.9	1.0	0.875	0.0	84.2	-5.7	89.4	89.6	93.6	93.6			1.0	0.655	0.0	75.0	9.0	77.9	78.5	83						
97.1	90.0	92.3	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97.1	97.1			1.0	0.842	0.0	83.0	-3.4	87.8	87.9	92						
100.3	97.5	101.0	0.875	1.0	0.0	85.8	-16.2	88.6	90.0	100.3	100.3			0.871	1.0	0.0	85.8	-16.2	88.4	89.9	100						
103.3	105.0	109.7	0.75	1.0	0.0	82.9	-19.7	83.0	85.3	103.3	103.3			0.599	1.0	0.0	76.2	-26.6	74.3	78.9	109						
108.3	112.5	118.5	0.625	1.0	0.0	77.0	-25.2	76.3	80.4	108.3	108.3			0.455	1.0	0.0	71.4	-33.4	63.2	71.6	117						
115.3	120.0	127.2	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115.3	115.3			0.327	1.0	0.0	65.8	-41.3	54.4	68.4	127						
122.4	127.5	136.0	0.375	1.0	0.0	68.9	-36.9	58.1	68.8	122.4	122.4			0.244	1.0	0.0	60.7	-48.1	47.5	67.6	135						
134.9	135.0	144.7	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134.9	134.9			0.124	1.0	0.0	57.4	-54.9	38.9	67.4	144						
144.6	142.5	153.4	0.125	1.0	0.0	57.4	-54.9	38.9	67.3	144.6	144.6			0.047	1.0	0.0	54.0	-63.8	32.7	71.7	152						
157.7	150.0	162.2	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157.7	157.7			0.0	1.0	0.093	52.4	-67.0	21.5	70.5	162						
163.7	157.5	169.0	0.0	1.0	0.125	52.5	-66.4	19.3	69.1	163.7	163.7			0.0	1.0	0.209	53.1	-63.5	12.8	64.9	168						
170.9	165.0	175.9	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170.9	170.9			0.0	1.0	0.311	53.7	-59.7	4.3	59.9	175						
181.0	172.5	182.7	0.0	1.0	0.375	54.1	-56.9	-1.0	56.9	181.0	181.0			0.0	1.0	0.387	54.2	-56.4	-2.2	56.5	182						
193.5	180.0	189.6	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193.5	193.5			0.0	1.0	0.46	54.6	-53.1	-8.9	54.0	189						
205.9	187.5	196.4	0.0	1.0	0.625	55.8	-45.1	-21.9	50.1	205.9	205.9			0.0	1.0	0.524	55.0	-50.0	-14.3	52.1	195						
218.4	195.0	203.2	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218.4	218.4			0.0	1.0	0.598	55.6	-46.5	-19.9	50.7	203						
227.3	202.5	210.1	0.0	1.0	0.875	57.5	-34.3	-37.2	50.6	227.3	227.3			0.0	1.0	0.662	56.1	-43.4	-24.7	50.1	209						
236.1	210.0	216.9	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236.1	236.1			0.0	1.0	0.736	56.7	-39.7	-29.9	49.8	216						
240.3	217.5	223.8	0.0	0.875	1.0	55.2	-25.0	-43.9	50.5	240.3	240.3			0.0	1.0	0.819	57.2	-36.4	-34.4	50.3	223						
245.8	225.0	230.6	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245.8	245.8			0.0	1.0	0.922	57.9	-32.5	-39.7	51.4	230						
252.5	232.5	237.5	0.0	0.625	1.0	47.7	-13.9	-44.4	46.5	252.5	252.5			0.0	0.974	1.0	57.7	-28.3	-43.7	52.2	237						
262.3	240.0	244.3	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262.3	262.3			0.0	0.785	1.0	52.7	-21.1	-44.1	49.0	244						
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	-45.4	45.4	271.7	271.7			0.0	0.659	1.0	48.9	-15.4	-44.3	47.1	250						
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281.6	281.6			0.0	0.555	1.0	45.0	-9.4	-44.8	45.9	258						
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	-46.9	50.1	290.3	290.3			0.0	0.472	1.0	41.7	-4.3	-45.1	45.4	264						
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296.4	296.4			0.0	0.375	1.0	37.9	1.4	-45.3	45.5	271						
306.7	277.5	278.8	0.125	0.0	1.0	29.3	31.8	-42.6	53.1	306.7	306.7			0.0	0.291	1.0	34.9	6.8	-45.9	46.5	278						
312.7	285.0	285.9	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312.7	312.7			0.0	0.188	1.0	31.0	13.3	-46.6	48.5	285						
326.7	292.5	293.0	0.375	0.0	1.0	33.8	47.6	-31.2	56.9	326.7	326.7			0.0	0.079	1.0	27.4	19.6	-47.1	51.1	292						
333.9	300.0	300.1	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333.9	333.9			0.0046	0.0	1.0	26.8	26.6	-45.7	53.0	300						
339.6	307.5	307.2	0.625	0.0	1.0	40.9	58.8	-21.8	62.7	339.6	339.6			0.126	0.0	1.0	29.4	31.9	-42.5	53.2	306						
347.2	315.0	314.3	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347.2	347.2			0.265	0.0	1.0	31.8	37.7	-38.4	53.8	314						
350.2	322.5	321.4	0.875	0.0	1.0	45.9	69.4	-11.9	70.5	350.2	350.2			0.324	0.0	1.0	32.9	43.2	-34.8	55.5	321						
353.3	330.0	328.6	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	353.3	353.3			0.407	0.0	1.0	34.9	49.3	-30.0	57.7	328						
356.5	337.5	335.7	1.0	0.0	0.875	48.2	71.6	-4.3	71.7	356.5	356.5			0.529	0.0	1.0	38.6	55.0	-25.3	60.6	335						
360.3	345.0	342.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3	360.3			0.678	0.0	1.0	41.9	61.9	-19.0	64.8	342						
365.8	352.5	349.9	1.0	0.0	0.625	48.0	68.9	7.1	69.3	365.8	365.8			0.842	0.0	1.0	45.2	68.6	-12.7	69.8	349						
371.6	360.0	357.0	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371.6	371.6			0.949	0.0	1.0	47.3	71.5	-9.9	72.2	352						
378.2	367.5	364.1	1.0	0.0	0.375	47.7	66.1	21.8	69.6	378.2	378.2			1.0	0.0	0.765	48.2	70.6	-0.1	70.6	359						
383.9	375.0	371.2	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383.9	383.9			1.0	0.0	0.563	47.9	68.4	10.6	69.2	368						
388.6	382.5	378.3	1.0	0.0	0.125	47.4	64.4	35.1	73.4	388.6	388.6			1.0	0.0	0.408	47.8	66.7	19.8	69.6	376						
392.8	390.0	385.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392.8	392.8			1.0	0.0	0.209	47.6	64.9	30.9	71.9	385						

1-103830-L0

QE940-72

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

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

TUB-test chart QE94; hue code: $H^*_d=G50B_d$
48 step hue circles; $rgb-LabCh^*$ tables

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

TUB registration: 20130201-QE94/QE94L0FP.PDF /.PS
application for measurement of offset print output, separation cmyrn6* (CMYK)
TUB material: code=rha4ta

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

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

1-103930-L0

QE940-72

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

Output: Offset standard print; separation cmycn6*, D65, page 10/33

TUB-test chart QE94; hue code: H*d=G50Bd
48 step hue circles; $rgb-LabCh$ *tables

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

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

1-103930-F0

see similar files: <http://130.149.60.45/~farbmetrik/QE94/QE94L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE94/QE94L0FP.PDF / .PS
application for measurement of offset print output, separation cmycn6* (CMYK)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyln6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_c: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours RYGBM_d: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours RYGBM_c: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Angles of the three colour RGB space (x=LabCh)										Angles of the three colour RGB space (x=LabCh)										Angles of the three colour RGB space (x=LabCh)										Angles of the three colour RGB space (x=LabCh)										Angles of the three colour RGB space (x=LabCh)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dex361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
88	75	75	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88	1.0	0.543	0.0	69.4	19.0	70.7	73.2	75	1.0	0.75	0.0	1.0	0.55	0.0	69.8	18.3	71.3	73.6	75	1.0	0.75	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</

Output: Offset standard print; separation cmyn6*, D65, page 12/36

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

Output: Offset standard print; separation cmyn6*, D65, page 13/36

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

Data of Maximum color M in colorimetric system Offset standard print; separation cmyrn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{dsx361Mi}(x=LabCh)$			C_d	$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}(x=LabCh)$			$210C_s$	$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}(x=LabCh)$			$216C_e$	$rgb^*_{dd361Mi}$			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}				
236	210	216	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236	0.0	1.0	0.666	56.1	-43.2	-24.9	50.0	210	0.0	1.0	1.0	0.0	1.0	0.736	56.7	-39.7	-29.9	49.8	216	0.0	1.0	1.0				
236	211	217	0.0	0.983	1.0	57.9	-28.7	-43.7	52.3	236	0.0	1.0	0.676	56.2	-42.8	-25.7	50.0	211	0.0	0.983	1.0	0.0	1.0	0.745	56.7	-39.2	-30.5	49.8	217	0.0	0.983	1.0				
237	212	218	0.0	0.966	1.0	57.5	-28.1	-43.8	52.0	237	0.0	1.0	0.686	56.3	-42.3	-26.4	50.0	212	0.0	0.967	1.0	0.0	1.0	0.755	56.8	-38.7	-31.1	49.8	218	0.0	0.967	1.0				
237	213	219	0.0	0.95	1.0	57.1	-27.5	-43.8	51.8	237	0.0	1.0	0.696	56.4	-41.8	-27.1	49.9	213	0.0	0.95	1.0	0.0	1.0	0.768	56.9	-38.3	-31.8	49.9	219	0.0	0.95	1.0				
238	214	220	0.0	0.933	1.0	56.7	-26.9	-43.9	51.5	238	0.0	1.0	0.706	56.4	-41.3	-27.8	49.9	214	0.0	0.933	1.0	0.0	1.0	0.781	57.0	-37.8	-32.4	50.0	220	0.0	0.933	1.0				
238	215	221	0.0	0.916	1.0	56.2	-26.4	-43.9	51.2	238	0.0	1.0	0.716	56.5	-40.8	-28.5	49.9	215	0.0	0.917	1.0	0.0	1.0	0.794	57.0	-37.4	-33.1	50.1	221	0.0	0.917	1.0				
239	216	222	0.0	0.9	1.0	55.8	-25.8	-43.9	50.9	239	0.0	1.0	0.726	56.6	-40.2	-29.2	49.8	216	0.0	0.9	1.0	0.0	1.0	0.807	57.1	-36.9	-33.8	50.2	222	0.0	0.9	1.0				
240	217	223	0.0	0.883	1.0	55.4	-25.2	-43.9	50.7	240	0.0	1.0	0.736	56.7	-39.7	-29.9	49.8	217	0.0	0.883	1.0	0.0	1.0	0.819	57.2	-36.4	-34.4	50.3	223	0.0	0.883	1.0				
240	218	224	0.0	0.866	1.0	55.0	-24.6	-43.9	50.4	240	0.0	1.0	0.746	56.7	-39.1	-30.5	49.8	218	0.0	0.867	1.0	0.0	1.0	0.832	57.3	-36.0	-35.1	50.4	224	0.0	0.867	1.0				
241	219	225	0.0	0.85	1.0	54.5	-23.9	-44.0	50.1	241	0.0	1.0	0.758	56.8	-38.6	-31.2	49.8	219	0.0	0.85	1.0	0.0	1.0	0.845	57.4	-35.5	-35.7	50.5	225	0.0	0.85	1.0				
242	220	226	0.0	0.833	1.0	54.1	-23.2	-44.0	49.8	242	0.0	1.0	0.772	56.9	-38.1	-32.0	49.9	220	0.0	0.833	1.0	0.0	1.0	0.858	57.5	-35.0	-36.3	50.6	226	0.0	0.833	1.0				
242	221	227	0.0	0.816	1.0	53.6	-22.5	-44.1	49.5	242	0.0	1.0	0.786	57.0	-37.7	-32.7	50.0	221	0.0	0.817	1.0	0.0	1.0	0.871	57.5	-34.4	-37.0	50.7	227	0.0	0.817	1.0				
243	222	227	0.0	0.8	1.0	53.1	-21.8	-44.1	49.2	243	0.0	1.0	0.8	57.1	-37.2	-33.4	50.1	222	0.0	0.8	1.0	0.0	1.0	0.884	57.6	-33.9	-37.6	50.8	227	0.0	0.8	1.0				
244	223	228	0.0	0.783	1.0	52.7	-21.1	-44.1	48.9	244	0.0	1.0	0.814	57.2	-36.6	-34.2	50.2	223	0.0	0.783	1.0	0.0	1.0	0.896	57.7	-33.5	-38.3	51.0	228	0.0	0.783	1.0				
245	224	229	0.0	0.766	1.0	52.2	-20.4	-44.1	48.6	245	0.0	1.0	0.828	57.3	-36.1	-34.9	50.3	224	0.0	0.767	1.0	0.0	1.0	0.909	57.8	-33.0	-39.0	51.2	229	0.0	0.767	1.0				
245	225	230	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245	0.0	1.0	0.842	57.4	-35.6	-35.6	50.4	225	0.0	0.75	1.0	0.0	1.0	0.922	57.9	-32.5	-39.7	51.4	230	0.0	0.75	1.0				
246	226	231	0.0	0.733	1.0	51.2	-18.9	-44.2	48.1	246	0.0	1.0	0.856	57.5	-35.0	-36.3	50.5	226	0.0	0.733	1.0	0.0	1.0	0.935	57.9	-32.0	-40.4	51.6	231	0.0	0.733	1.0				
247	227	232	0.0	0.716	1.0	50.7	-18.1	-44.3	47.8	247	0.0	1.0	0.87	57.5	-34.4	-36.9	50.7	227	0.0	0.717	1.0	0.0	1.0	0.948	58.0	-31.5	-41.0	51.8	232	0.0	0.717	1.0				
248	228	233	0.0	0.7	1.0	50.1	-17.4	-44.3	47.6	248	0.0	1.0	0.884	57.6	-33.9	-37.7	50.8	228	0.0	0.7	1.0	0.0	1.0	0.961	58.1	-30.9	-41.7	52.0	233	0.0	0.7	1.0				
249	229	234	0.0	0.683	1.0	49.6	-16.6	-44.3	47.4	249	0.0	1.0	0.899	57.7	-33.4	-38.4	51.1	229	0.0	0.683	1.0	0.0	1.0	0.974	58.2	-30.4	-42.3	52.2	234	0.0	0.683	1.0				
250	230	235	0.0	0.666	1.0	49.1	-15.8	-44.4	47.1	250	0.0	1.0	0.913	57.8	-32.9	-39.2	51.3	230	0.0	0.667	1.0	0.0	1.0	0.987	58.3	-29.8	-43.0	52.4	235	0.0	0.667	1.0				
251	231	236	0.0	0.65	1.0	48.5	-15.0	-44.4	46.9	251	0.0	1.0	0.927	57.9	-32.3	-39.9	51.5	231	0.0	0.65	1.0	0.0	1.0	0.999	58.3	-29.2	-43.6	52.6	236	0.0	0.65	1.0				
252	232	237	0.0	0.633	1.0	48.0	-14.3	-44.4	46.6	252	0.0	1.0	0.941	58.0	-31.7	-40.7	51.7	232	0.0	0.633	1.0	0.0	1.0	0.974	1.0	57.7	-28.3	-43.7	52.2	237	0.0	0.633	1.0			
253	233	237	0.0	0.616	1.0	47.4	-13.4	-44.5	46.4	253	0.0	1.0	0.955	58.1	-31.2	-41.4	51.9	233	0.0	0.617	1.0	0.0	1.0	0.947	1.0	57.0	-27.4	-43.8	51.8	237	0.0	0.617	1.0			
254	234	238	0.0	0.6	1.0	46.7	-12.3	-44.6	46.3	254	0.0	1.0	0.969	58.2	-30.6	-42.1	52.2	234	0.0	0.6	1.0	0.0	1.0	0.919	1.0	56.4	-26.4	-43.8	51.3	238	0.0	0.6	1.0			
255	235	239	0.0	0.583	1.0	46.1	-11.3	-44.7	46.1	255	0.0	1.0	0.983	58.2	-29.9	-42.8	52.4	235	0.0	0.583	1.0	0.0	1.0	0.892	1.0	55.7	-25.5	-43.8	50.8	239	0.0	0.583	1.0			
257	236	240	0.0	0.566	1.0	45.4	-10.2	-44.8	46.0	257	0.0	1.0	0.997	58.3	-29.3	-43.5	52.6	236	0.0	0.567	1.0	0.0	1.0	0.867	1.0	55.0	-24.6	-43.9	50.4	240	0.0	0.567	1.0			
258	237	241	0.0	0.55	1.0	44.7	-9.1	-44.9	45.8	258	0.0	0.976	1.0	57.7	-28.4	-43.7	52.2	237	0.0	0.55	1.0	0.0	1.0	0.847	1.0	54.5	-23.7	-44.0	50.1	241	0.0	0.55	1.0			
259	238	242	0.0	0.533	1.0	44.1	-8.1	-45.0	45.7	259	0.0	0.946	1.0	57.0	-27.3	-43.8	51.7	238	0.0	0.533	1.0	0.0	1.0	0.826	1.0	53.9	-22.8	-44.0	49.7	242	0.0	0.533	1.0			
261	239	243	0.0	0.516	1.0	43.4	-7.0	-45.0	45.5	261	0.0	0.916	1.0	56.3	-26.3	-43.8	51.2	239	0.0	0.517	1.0	0.0	1.0	0.805	1.0	53.3	-22.0	-44.0	49.3	243	0.0	0.517	1.0			
262	240	244	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262	0.0	0.886	1.0	55.5	-25.3	-43.8	50.7	240	0.0	0.5	1.0	0.0	1.0	0.785	1.0	52.7	-21.1	-44.1	49.0	244	0.0	0.5	1.0			
263	241	245	0.0	0.483	1.0	42.1	-5.0	-45.1	45.4	263	0.0	0.861	1.0	54.9	-24.3	-43.9	50.3	241	0.0	0.483	1.0	0.0	1.0	0.764	1.0	52.2	-20.2	-44.1	48.6	245	0.0	0.483	1.0			
264	242	246	0.0	0.466	1.0	41.4	-4.0	-45.2	45.4	264	0.0	0.838	1.0	54.2	-23.3	-44.0	49.9	242	0.0	0.467	1.0	0.0	1.0	0.745	1.0	51.6	-19.4	-44.1	48.3	246	0.0	0.467	1.0			
266	243	247	0.0	0.45	1.0	40.8	-3.0	-45.3	45.4	266	0.0	0.815	1.0	53.6	-22.4	-44.0	49.5	243	0.0	0.45	1.0	0.0	1.0	0.727	1.0	51.1	-18.6	-44.2	48.1	247	0.0	0.45	1.0			
267	244	248	0.0	0.433	1.0	40.2	-2.1	-45.3	45.4	267	0.0	0.793	1.0	53.0	-21.4	-44.1	49.1	244	0.0	0.433</																

1-1031330-L0 QE940-72 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

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

TUB-test chart QE94; hue code: $H^*_d=G50B_d$
48 step hue circles; $rgb-LabCh^*$ tables

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

see similar files: <http://130.149.60.45/~farbmetrik/QE94/QE94L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or [http://13](http://130.149.60.45/~farbmetrik)

Data of Maximum color M in colorimetric system Offset standard print; separation cmyrn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_c$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{dd361Mi}$ (x=LabCh)			281	$rgb^*_{ds361Mi}$			$LAB^*_{ds361Mi}$ (x=LabCh)			255	$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)			258	$rgb^*_{dd361Mi}$						
281	255	258	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281	0.0	0.594	1.0	46.5	-11.9	-44.6	46.3	255	0.0	0.25	1.0	0.0	0.555	1.0	45.0	-9.4	-44.8	45.9	258	0.0	0.25	1.0	
282	256	258	0.0	0.233	1.0	32.7	10.5	-46.2	47.4	282	0.0	0.581	1.0	46.0	-11.1	-44.7	46.2	256	0.0	0.233	1.0	0.0	0.543	1.0	44.5	-8.7	-44.9	45.8	258	0.0	0.233	1.0	
283	257	259	0.0	0.216	1.0	32.0	11.5	-46.4	47.8	283	0.0	0.568	1.0	45.5	-10.3	-44.8	46.1	257	0.0	0.217	1.0	0.0	0.532	1.0	44.1	-7.9	-44.9	45.7	259	0.0	0.217	1.0	
285	258	260	0.0	0.2	1.0	31.4	12.5	-46.5	48.2	285	0.0	0.556	1.0	45.0	-9.5	-44.8	45.9	258	0.0	0.2	1.0	0.0	0.52	1.0	43.6	-7.2	-44.9	45.6	260	0.0	0.2	1.0	
286	259	261	0.0	0.183	1.0	30.8	13.6	-46.7	48.6	286	0.0	0.543	1.0	44.5	-8.6	-44.9	45.8	259	0.0	0.183	1.0	0.0	0.508	1.0	43.1	-6.5	-44.9	45.5	261	0.0	0.183	1.0	
287	260	262	0.0	0.166	1.0	30.1	14.7	-46.8	49.0	287	0.0	0.53	1.0	44.0	-7.8	-44.9	45.7	260	0.0	0.167	1.0	0.0	0.497	1.0	42.7	-5.7	-45.0	45.4	262	0.0	0.167	1.0	
288	261	263	0.0	0.15	1.0	29.5	15.8	-46.9	49.4	288	0.0	0.517	1.0	43.5	-7.0	-44.9	45.6	261	0.0	0.15	1.0	0.0	0.484	1.0	42.2	-5.0	-45.0	45.4	263	0.0	0.15	1.0	
289	262	264	0.0	0.133	1.0	28.9	16.8	-46.9	49.9	289	0.0	0.505	1.0	43.0	-6.2	-44.9	45.5	262	0.0	0.133	1.0	0.0	0.472	1.0	41.7	-4.3	-45.1	45.4	264	0.0	0.133	1.0	
290	263	265	0.0	0.116	1.0	28.3	17.8	-47.0	50.3	290	0.0	0.491	1.0	42.5	-5.4	-45.0	45.4	263	0.0	0.117	1.0	0.0	0.46	1.0	41.2	-3.6	-45.2	45.4	265	0.0	0.117	1.0	
291	264	266	0.0	0.1	1.0	27.9	18.6	-47.1	50.6	291	0.0	0.478	1.0	41.9	-4.6	-45.1	45.4	264	0.0	0.1	1.0	0.0	0.448	1.0	40.8	-2.9	-45.2	45.4	266	0.0	0.1	1.0	
292	265	267	0.0	0.083	1.0	27.5	19.4	-47.1	51.0	292	0.0	0.465	1.0	41.4	-3.9	-45.2	45.4	265	0.0	0.083	1.0	0.0	0.436	1.0	40.3	-2.1	-45.3	45.4	267	0.0	0.083	1.0	
293	266	268	0.0	0.066	1.0	27.0	20.2	-47.2	51.4	293	0.0	0.451	1.0	40.9	-3.1	-45.2	45.4	266	0.0	0.067	1.0	0.0	0.423	1.0	39.8	-1.4	-45.3	45.4	268	0.0	0.067	1.0	
293	267	269	0.0	0.049	1.0	26.6	21.0	-47.3	51.7	293	0.0	0.438	1.0	40.4	-2.3	-45.3	45.4	267	0.0	0.05	1.0	0.0	0.411	1.0	39.4	-0.7	-45.3	45.4	269	0.0	0.05	1.0	
294	268	269	0.0	0.033	1.0	26.2	21.8	-47.3	52.1	294	0.0	0.425	1.0	39.9	-1.5	-45.3	45.4	268	0.0	0.033	1.0	0.0	0.399	1.0	38.9	0.0	-45.3	45.4	269	0.0	0.033	1.0	
295	269	270	0.0	0.016	1.0	25.7	22.6	-47.3	52.5	295	0.0	0.411	1.0	39.4	-0.7	-45.3	45.4	269	0.0	0.017	1.0	0.0	0.387	1.0	38.4	0.7	-45.3	45.4	270	0.0	0.017	1.0	
296	270	271	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296	B_d	0.0	0.398	1.0	38.8	0.0	-45.3	45.4	$270B_s$	0.0	0.0	1.0	0.0	0.375	1.0	37.9	1.4	-45.3	45.5	$271B_e$	0.0	0.0	1.0
297	271	272	0.016	0.0	1.0	25.8	24.6	-46.8	52.9	297	0.0	0.385	1.0	38.3	0.8	-45.3	45.4	271	0.017	0.0	1.0	0.0	0.363	1.0	37.5	2.1	-45.5	45.6	272	0.017	0.0	1.0	
299	272	273	0.033	0.0	1.0	26.3	25.8	-46.2	52.9	299	0.0	0.371	1.0	37.8	1.6	-45.4	45.5	272	0.033	0.0	1.0	0.0	0.351	1.0	37.1	2.9	-45.6	45.8	273	0.033	0.0	1.0	
300	273	274	0.05	0.0	1.0	26.9	26.9	-45.6	52.9	300	0.0	0.359	1.0	37.3	2.4	-45.5	45.7	273	0.05	0.0	1.0	0.0	0.339	1.0	36.6	3.7	-45.7	45.9	274	0.05	0.0	1.0	
301	274	275	0.066	0.0	1.0	27.4	28.0	-45.0	53.0	301	0.0	0.346	1.0	36.9	3.2	-45.6	45.8	274	0.067	0.0	1.0	0.0	0.327	1.0	36.2	4.4	-45.7	46.0	275	0.067	0.0	1.0	
303	275	276	0.083	0.0	1.0	27.9	29.1	-44.3	53.0	303	0.0	0.334	1.0	36.4	4.0	-45.7	46.0	275	0.083	0.0	1.0	0.0	0.315	1.0	35.7	5.2	-45.8	46.2	276	0.083	0.0	1.0	
304	276	277	0.1	0.0	1.0	28.5	30.2	-43.6	53.1	304	0.0	0.321	1.0	36.0	4.8	-45.8	46.1	276	0.1	0.0	1.0	0.0	0.303	1.0	35.3	6.0	-45.9	46.3	277	0.1	0.0	1.0	
306	277	278	0.116	0.0	1.0	29.0	31.2	-42.9	53.1	306	0.0	0.309	1.0	35.5	5.6	-45.8	46.3	277	0.117	0.0	1.0	0.0	0.291	1.0	34.9	6.8	-45.9	46.5	278	0.117	0.0	1.0	
307	278	279	0.133	0.0	1.0	29.4	32.1	-42.3	53.1	307	0.0	0.296	1.0	35.0	6.5	-45.9	46.4	278	0.133	0.0	1.0	0.0	0.279	1.0	34.4	7.6	-45.9	46.6	279	0.133	0.0	1.0	
307	279	280	0.15	0.0	1.0	29.7	32.7	-41.9	53.2	307	0.0	0.283	1.0	34.6	7.3	-45.9	46.6	279	0.15	0.0	1.0	0.0	0.267	1.0	34.0	8.3	-45.9	46.8	280	0.15	0.0	1.0	
308	280	281	0.166	0.0	1.0	30.0	33.3	-41.5	53.2	308	0.0	0.271	1.0	34.1	8.1	-45.9	46.7	280	0.167	0.0	1.0	0.0	0.256	1.0	33.5	9.1	-45.9	46.9	281	0.167	0.0	1.0	
309	281	282	0.183	0.0	1.0	30.3	33.9	-41.0	53.2	309	0.0	0.258	1.0	33.6	8.9	-45.9	46.9	281	0.183	0.0	1.0	0.0	0.243	1.0	33.1	9.9	-46.0	47.2	282	0.183	0.0	1.0	
310	282	283	0.2	0.0	1.0	30.6	34.5	-40.6	53.3	310	0.0	0.245	1.0	33.1	9.8	-46.0	47.1	282	0.2	0.0	1.0	0.0	0.229	1.0	32.5	10.8	-46.2	47.5	283	0.2	0.0	1.0	
311	283	284	0.216	0.0	1.0	30.9	35.0	-40.1	53.3	311	0.0	0.231	1.0	32.6	10.7	-46.2	47.5	283	0.217	0.0	1.0	0.0	0.215	1.0	32.0	11.6	-46.3	47.9	284	0.217	0.0	1.0	
311	284	285	0.233	0.0	1.0	31.2	35.6	-39.6	53.3	311	0.0	0.216	1.0	32.1	11.6	-46.3	47.8	284	0.233	0.0	1.0	0.0	0.202	1.0	31.5	12.5	-46.5	48.2	285	0.233	0.0	1.0	
312	285	285	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312	0.0	0.202	1.0	31.5	12.5	-46.5	48.2	285	0.25	0.0	1.0	0.0	0.188	1.0	31.0	13.3	-46.6	48.5	285	0.25	0.0	1.0	
314	286	286	0.266	0.0	1.0	31.8	37.8	-38.3	53.8	314	0.0	0.188	1.0	31.0	13.4	-46.6	48.6	286	0.267	0.0	1.0	0.0	0.175	1.0	30.5	14.2	-46.7	48.9	286	0.267	0.0	1.0	
316	287	287	0.283	0.0	1.0	32.1	39.4	-37.4	54.3	316	0.0	0.173	1.0	30.4	14.3	-46.7	48.9	287	0.283	0.0	1.0	0.0	0.161	1.0	30.0	15.1	-46.8	49.2	287	0.283	0.0	1.0	
318	288	288	0.3	0.0	1.0	32.4	40.9	-36.4	54.8	318	0.0	0.159	1.0	29.9	15.2	-46.8	49.3	288	0.3	0.0	1.0	0.0	0.147	1.0	29.5	16.0	-46.8	49.6	288	0.3	0.0	1.0	
320	289	289	0.316	0.0	1.0	32.7	42.4	-35.3	55.3	320	0.0	0.145	1.0	29.4	16.2	-46.8	49.6	289	0.317	0.0	1.0	0.0	0.134	1.0	28.9	16.9	-46.9	49.9	289	0.317	0.0	1.0	
322	290	290	0.333	0.0	1.0	33.0	43.9	-34.2	55.7	322	0.0	0.13	1.0	28.8	17.1	-46.9	50.0	290	0.333	0.0													

Data of Maximum color M in colorimetric system Offset standard print; separation cmy6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			LAB^*_{d361Mi} (x=LabCh)			$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{ds361Mi}$			$LAB^*_{ds361Mi}$ (x=LabCh)			$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)			$rgb^*_{dd361Mi}$											
333	300	300	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333				0.043	0.0	1.0	26.7	26.5	-45.8	53.0	300				0.5	0.0	1.0	0.046	0.0	1.0	26.8	26.6	-45.7	53.0	300				0.5	0.0	1.0
334	301	301	0.516	0.0	1.0	38.3	54.5	-25.7	60.3	334				0.056	0.0	1.0	27.1	27.3	-45.3	53.0	301				0.517	0.0	1.0	0.057	0.0	1.0	27.2	27.4	-45.3	53.0	301				0.517	0.0	1.0
335	302	302	0.533	0.0	1.0	38.7	55.2	-25.2	60.6	335				0.068	0.0	1.0	27.5	28.1	-44.9	53.0	302				0.533	0.0	1.0	0.068	0.0	1.0	27.5	28.2	-44.8	53.0	302				0.533	0.0	1.0
336	303	303	0.55	0.0	1.0	39.1	55.8	-24.6	61.0	336				0.08	0.0	1.0	27.9	28.9	-44.4	53.1	303				0.55	0.0	1.0	0.08	0.0	1.0	27.9	28.9	-44.4	53.1	303				0.55	0.0	1.0
336	304	303	0.566	0.0	1.0	39.5	56.5	-24.0	61.4	336				0.092	0.0	1.0	28.3	29.7	-43.9	53.1	304				0.567	0.0	1.0	0.091	0.0	1.0	28.3	29.7	-43.9	53.1	303				0.567	0.0	1.0
337	305	304	0.583	0.0	1.0	39.9	57.2	-23.4	61.8	337				0.104	0.0	1.0	28.7	30.5	-43.4	53.1	305				0.583	0.0	1.0	0.103	0.0	1.0	28.6	30.4	-43.5	53.1	304				0.583	0.0	1.0
338	306	305	0.6	0.0	1.0	40.3	57.8	-22.8	62.2	338				0.116	0.0	1.0	29.0	31.2	-42.9	53.1	306				0.6	0.0	1.0	0.114	0.0	1.0	29.0	31.1	-43.0	53.1	305				0.6	0.0	1.0
339	307	306	0.616	0.0	1.0	40.7	58.5	-22.1	62.5	339				0.13	0.0	1.0	29.4	32.0	-42.4	53.2	307				0.617	0.0	1.0	0.126	0.0	1.0	29.4	31.9	-42.5	53.2	306				0.617	0.0	1.0
340	308	307	0.633	0.0	1.0	41.1	59.3	-21.4	63.0	340				0.151	0.0	1.0	29.8	32.8	-41.8	53.2	308				0.633	0.0	1.0	0.146	0.0	1.0	29.7	32.6	-42.0	53.2	307				0.633	0.0	1.0
341	309	308	0.65	0.0	1.0	41.4	60.3	-20.5	63.7	341				0.172	0.0	1.0	30.2	33.5	-41.3	53.3	309				0.65	0.0	1.0	0.166	0.0	1.0	30.1	33.3	-41.5	53.2	308				0.65	0.0	1.0
342	310	309	0.666	0.0	1.0	41.7	61.3	-19.7	64.3	342				0.193	0.0	1.0	30.6	34.3	-40.7	53.3	310				0.667	0.0	1.0	0.186	0.0	1.0	30.4	34.0	-40.9	53.3	309				0.667	0.0	1.0
343	311	310	0.683	0.0	1.0	41.9	62.2	-18.8	65.0	343				0.214	0.0	1.0	30.9	35.0	-40.2	53.3	311				0.683	0.0	1.0	0.205	0.0	1.0	30.8	34.7	-40.4	53.3	310				0.683	0.0	1.0
344	312	311	0.7	0.0	1.0	42.2	63.2	-17.8	65.6	344				0.234	0.0	1.0	31.3	35.7	-39.6	53.4	312				0.7	0.0	1.0	0.225	0.0	1.0	31.1	35.4	-39.8	53.4	311				0.7	0.0	1.0
345	313	312	0.716	0.0	1.0	42.5	64.1	-16.9	66.3	345				0.252	0.0	1.0	31.6	36.5	-39.0	53.5	313				0.717	0.0	1.0	0.245	0.0	1.0	31.5	36.1	-39.3	53.4	312				0.717	0.0	1.0
346	314	313	0.733	0.0	1.0	42.8	65.0	-15.9	66.9	346				0.261	0.0	1.0	31.8	37.3	-38.5	53.7	314				0.733	0.0	1.0	0.256	0.0	1.0	31.7	36.8	-38.8	53.6	313				0.733	0.0	1.0
347	315	314	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347				0.27	0.0	1.0	31.9	38.2	-38.1	54.0	315				0.75	0.0	1.0	0.265	0.0	1.0	31.8	37.7	-38.4	53.8	314				0.75	0.0	1.0
347	316	315	0.766	0.0	1.0	43.5	66.4	-14.5	68.0	347				0.279	0.0	1.0	32.1	39.0	-37.6	54.2	316				0.767	0.0	1.0	0.273	0.0	1.0	32.0	38.5	-37.9	54.1	315				0.767	0.0	1.0
348	317	316	0.783	0.0	1.0	43.8	66.9	-14.1	68.4	348				0.288	0.0	1.0	32.3	39.8	-37.1	54.5	317				0.783	0.0	1.0	0.282	0.0	1.0	32.1	39.3	-37.4	54.3	316				0.783	0.0	1.0
348	318	317	0.8	0.0	1.0	44.2	67.3	-13.7	68.7	348				0.297	0.0	1.0	32.4	40.7	-36.5	54.7	318				0.8	0.0	1.0	0.29	0.0	1.0	32.3	40.0	-36.9	54.5	317				0.8	0.0	1.0
348	319	318	0.816	0.0	1.0	44.6	67.8	-13.3	69.1	348				0.306	0.0	1.0	32.6	41.5	-36.0	55.0	319				0.817	0.0	1.0	0.299	0.0	1.0	32.4	40.8	-36.4	54.8	318				0.817	0.0	1.0
349	320	319	0.833	0.0	1.0	45.0	68.3	-12.9	69.5	349				0.315	0.0	1.0	32.7	42.3	-35.4	55.2	320				0.833	0.0	1.0	0.307	0.0	1.0	32.6	41.6	-35.9	55.0	319				0.833	0.0	1.0
349	321	320	0.85	0.0	1.0	45.3	68.8	-12.5	69.9	349				0.324	0.0	1.0	32.9	43.1	-34.8	55.5	321				0.85	0.0	1.0	0.315	0.0	1.0	32.7	42.4	-35.4	55.3	320				0.85	0.0	1.0
350	322	321	0.866	0.0	1.0	45.7	69.2	-12.1	70.3	350				0.333	0.0	1.0	33.1	43.9	-34.2	55.8	322				0.867	0.0	1.0	0.324	0.0	1.0	32.9	43.2	-34.8	55.5	321				0.867	0.0	1.0
350	323	321	0.883	0.0	1.0	46.1	69.7	-11.7	70.7	350				0.342	0.0	1.0	33.2	44.7	-33.6	56.0	323				0.883	0.0	1.0	0.332	0.0	1.0	33.0	43.9	-34.2	55.7	321				0.883	0.0	1.0
350	324	322	0.9	0.0	1.0	46.4	70.1	-11.2	71.0	350				0.351	0.0	1.0	33.4	45.5	-33.0	56.3	324				0.9	0.0	1.0	0.341	0.0	1.0	33.2	44.7	-33.7	56.0	322				0.9	0.0	1.0
351	325	323	0.916	0.0	1.0	46.7	70.6	-10.8	71.4	351				0.359	0.0	1.0	33.5	46.3	-32.3	56.5	325				0.917	0.0	1.0	0.349	0.0	1.0	33.4	45.4	-33.1	56.2	323				0.917	0.0	1.0
351	326	324	0.933	0.0	1.0	47.0	71.0	-10.3	71.8	351				0.368	0.0	1.0	33.7	47.1	-31.6	56.8	326				0.933	0.0	1.0	0.358	0.0	1.0	33.5	46.2	-32.4	56.5	324				0.933	0.0	1.0
352	327	325	0.95	0.0	1.0	47.3	71.5	-9.9	72.2	352				0.379	0.0	1.0	34.0	47.9	-31.0	57.1	327				0.95	0.0	1.0	0.366	0.0	1.0	33.7	46.9	-31.8	56.7	325				0.95	0.0	1.0
352	328	326	0.966	0.0	1.0	47.6	71.9	-9.4	72.5	352				0.397	0.0	1.0	34.5	48.7	-30.4	57.5	328				0.967	0.0	1.0	0.375	0.0	1.0	33.8	47.6	-31.2	57.0	326				0.967	0.0	1.0
352	329	327	0.983	0.0	1.0	47.9	72.4	-9.0	72.9	352				0.414	0.0	1.0	35.1	49.6	-29.7	57.9	329				0.983	0.0	1.0	0.391	0.0	1.0	34.3	48.4	-30.6	57.3	327				0.983	0.0	1.0
353	330	328	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	353	M_s			0.432	0.0	1.0	35.7	50.5	-29.1	58.3	330	M_s	1.0	0.0	1.0	0.407	0.0	1.0	0.407	0.0	1.0	34.9	49.3	-30.0	57.7	328	M_s	1.0	0.0	1.0	
353	331	329	1.0	0.0	0.983	48.2	72.7	-7.9	73.1	353				0.449	0.0																										

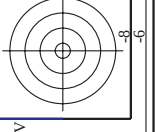
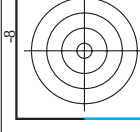
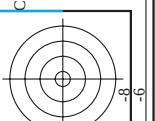
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TUB material: code=rh4ta
application for measurement of offset print output. separation cmv6* (CMYK)

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

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

TUB registration: 20130201-QE94/QE94L0FP.PDF /.PS
application for measurement of offset print output, separation cmyn6* (CMYK)

TUB material: code=rha4ta



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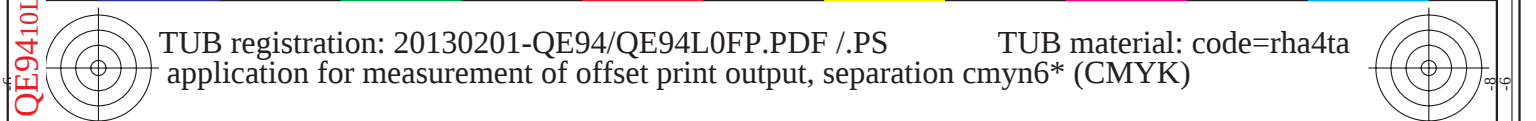
n/f	HC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCH*Fid	cmyn*sep_Fid	rgb*Mid	hsa_Mid	LabCH*Mid	cmyn*sep_Mid	rgb*Mid	hsa_Mid	LabCH*Mid	cmyn*sep_Mid	delta
0/648	R00Y_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	32.8
1/648	R13Y_100_100ad	0.125	0.0	0.5	1.0	0.116	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0
2/666	R25Y_100_100ad	0.25	0.0	1.0	0.0	0.233	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2
3/675	R38Y_100_100ad	0.375	0.0	1.0	0.0	0.366	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.8
4/684	R50Y_100_100ad	0.5	0.0	1.0	0.0	0.498	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.9
5/693	R63Y_100_100ad	0.625	0.0	1.0	0.0	0.633	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.2
6/702	R75Y_100_100ad	0.75	0.0	1.0	0.0	0.766	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8
7/711	R88Y_100_100ad	0.875	0.0	1.0	0.0	0.883	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8
8/720	Y00C_100_100ad	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0
9/639	Y13C_100_100ad	0.875	0.0	1.0	0.0	0.883	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2
10/658	Y25C_100_100ad	0.75	0.0	1.0	0.0	0.766	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.8
11/477	Y38C_100_100ad	0.625	0.0	1.0	0.0	0.633	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.9
12/396	Y50C_100_100ad	0.5	0.0	1.0	0.0	0.498	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.2
13/315	Y63C_100_100ad	0.375	0.0	1.0	0.0	0.366	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8
14/234	Y75C_100_100ad	0.25	0.0	1.0	0.0	0.233	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8
15/153	Y88C_100_100ad	0.125	0.0	1.0	0.0	0.116	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0
16/72	G00C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2
17/73	G13C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.8
18/74	G25C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.9
19/75	G38C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.2
20/76	G50C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8
21/77	G63C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8
22/78	G75C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0
23/79	G88C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2
24/80	C00B_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.8
25/71	C13B_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.9
26/62	C25B_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.2
27/63	C38B_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8
28/44	C50B_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8
29/35	C63B_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0
30/26	C75B_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2
31/17	C88B_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.8
32/8	B00M_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.9
33/89	B13M_100_100ad	0.125	0.0	1.0	0.0	0.116	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.2
34/170	B25M_100_100ad	0.25	0.0	1.0	0.0	0.233	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8
35/251	B38M_100_100ad	0.375	0.0	1.0	0.0	0.366	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0
36/332	B50M_100_100ad	0.5	0.0	1.0	0.0	0.498	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2
37/413	B63M_100_100ad	0.625	0.0	1.0	0.0	0.633	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.8
38/494	B75M_100_100ad	0.75	0.0	1.0	0.0	0.766	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.9
39/575	B88M_100_100ad	0.875	0.0	1.0	0.0	0.883	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.2
40/656	M00R_100_100ad	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8
41/655	M13R_100_100ad	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0
42/654	M25R_100_100ad	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2
43/653	M38R_100_100ad	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.8
44/652	M50R_100_100ad	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.9
45/651	M63R_100_100ad	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.2
46/650	M75R_100_100ad	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8
47/649	M88R_100_100ad	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0
48/648	R00Y_100_100ad	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2
49/0	NW_000ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.8
50/91	NW_013ad	0.125	0.0	0.0	0.0	0.125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.9
51/182	NW_025ad	0.25	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.2
52/273	NW_038ad	0.375	0.0	0.0	0.0	0.375	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.8
53/364	NW_050ad	0.5	0.0	0.0	0.0	0.498	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0
54/455	NW_063ad	0.625	0.0	0.0	0.0	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2
55/546	NW_075ad	0.75	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.8
56/637	NW_088ad	0.875	0.0	0.0	0.0	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.9
57/728	NW_100ad	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.2

Mean color difference of this page:

see similar files: <http://130.149.60.45/~farbmetrik/QE94/QE94.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

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

TUB-test chart QE94; hue code: H*d=G50Bd
colors and differences, ΔE*



TUB registration: 20130201-QE94/QE94L0FP.PDF /.PS
- application for measurement of offset print output, separations

TUB material: code=rha4ta
nyn6* (CMYK)

TUB registration: 20130201-QE94/QE94L0FP.PDF /.PS TUB material:
- application for measurement of offset print output, separation cmyn6* (CMYK)

<http://130.149.60.45/~farbmatrik/QE94/QE94L0FP.PDF> /PS; 3D-linearization
F: 3D-linearization QE94/QE94LE30FP.DAT in file (F), page 22/33

[illegible]

Mean color difference of this page:

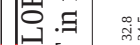
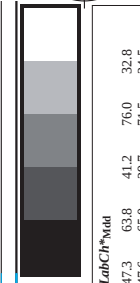
input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *cmyk^{*}_{dd}*

0F940-7N Page 22/23-E

TUB-test chart QE94; hue code: H_d^{*}=G50B_d^{*}
colors and differences, ΔE^*

-1032130

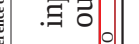
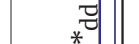
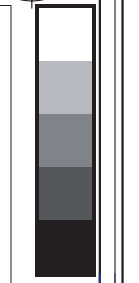
-see similar files: <http://130.149.60.45/~farbmatrik/QE94/QE94.HTM>
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



TUB registration: 20130201-QE94/QE94L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6* (CMYK)

n	HC*Fid	rgb_Fid	lch_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmyn*sep_Fid	cmyn*Fid	rgb*Fid	hsa*Fid	LabCh*Fid	delta
324	R050_050_050ad	0.5	0.5	0.5	0.5	32.5	0.0	0.0	0.0	389	377	32.8
325	R050_050_050ad	0.5	0.0	0.125	0.5	32.7	0.0	0.0	0.0	377	377	32.8
326	R050_050_050ad	0.5	0.0	0.25	0.5	32.9	0.0	0.0	0.0	377	377	32.8
327	R050_050_050ad	0.5	0.0	0.375	0.5	33.1	0.0	0.0	0.0	377	377	32.8
328	R050_050_050ad	0.5	0.0	0.5	0.5	33.3	0.0	0.0	0.0	377	377	32.8
329	B060_060_060ad	0.5	0.0	0.625	0.5	33.5	0.0	0.0	0.0	377	377	32.8
330	B060_060_060ad	0.5	0.0	0.75	0.5	33.7	0.0	0.0	0.0	377	377	32.8
331	B060_060_060ad	0.5	0.0	0.875	0.5	33.9	0.0	0.0	0.0	377	377	32.8
332	B060_060_060ad	0.5	0.0	1.0	0.5	34.1	0.0	0.0	0.0	377	377	32.8
333	R050_050_050ad	0.5	0.125	0.0	0.5	34.3	0.0	0.0	0.0	377	377	32.8
334	R050_050_050ad	0.5	0.125	0.125	0.5	34.5	0.0	0.0	0.0	377	377	32.8
335	R050_050_050ad	0.5	0.125	0.25	0.5	34.7	0.0	0.0	0.0	377	377	32.8
336	R050_050_050ad	0.5	0.125	0.375	0.5	34.9	0.0	0.0	0.0	377	377	32.8
337	R050_050_050ad	0.5	0.125	0.5	0.5	35.1	0.0	0.0	0.0	377	377	32.8
338	R050_050_050ad	0.5	0.125	0.625	0.5	35.3	0.0	0.0	0.0	377	377	32.8
339	R050_050_050ad	0.5	0.125	0.75	0.5	35.5	0.0	0.0	0.0	377	377	32.8
340	R050_050_050ad	0.5	0.125	0.875	0.5	35.7	0.0	0.0	0.0	377	377	32.8
341	R050_050_050ad	0.5	0.125	1.0	0.5	35.9	0.0	0.0	0.0	377	377	32.8
342	R050_050_050ad	0.5	0.25	0.0	0.5	36.1	0.0	0.0	0.0	377	377	32.8
343	R050_050_050ad	0.5	0.25	0.125	0.5	36.3	0.0	0.0	0.0	377	377	32.8
344	R050_050_050ad	0.5	0.25	0.25	0.5	36.5	0.0	0.0	0.0	377	377	32.8
345	R050_050_050ad	0.5	0.25	0.375	0.5	36.7	0.0	0.0	0.0	377	377	32.8
346	R050_050_050ad	0.5	0.25	0.5	0.5	36.9	0.0	0.0	0.0	377	377	32.8
347	R050_050_050ad	0.5	0.25	0.625	0.5	37.1	0.0	0.0	0.0	377	377	32.8
348	R050_050_050ad	0.5	0.25	0.75	0.5	37.3	0.0	0.0	0.0	377	377	32.8
349	R050_050_050ad	0.5	0.25	0.875	0.5	37.5	0.0	0.0	0.0	377	377	32.8
350	R050_050_050ad	0.5	0.25	1.0	0.5	37.7	0.0	0.0	0.0	377	377	32.8
351	R050_050_050ad	0.5	0.375	0.0	0.5	37.9	0.0	0.0	0.0	377	377	32.8
352	R050_050_050ad	0.5	0.375	0.125	0.5	38.1	0.0	0.0	0.0	377	377	32.8
353	R050_050_050ad	0.5	0.375	0.25	0.5	38.3	0.0	0.0	0.0	377	377	32.8
354	R050_050_050ad	0.5	0.375	0.375	0.5	38.5	0.0	0.0	0.0	377	377	32.8
355	R050_050_050ad	0.5	0.375	0.5	0.5	38.7	0.0	0.0	0.0	377	377	32.8
356	R050_050_050ad	0.5	0.375	0.625	0.5	38.9	0.0	0.0	0.0	377	377	32.8
357	R050_050_050ad	0.5	0.375	0.75	0.5	39.1	0.0	0.0	0.0	377	377	32.8
358	R050_050_050ad	0.5	0.375	0.875	0.5	39.3	0.0	0.0	0.0	377	377	32.8
359	R050_050_050ad	0.5	0.375	1.0	0.5	39.5	0.0	0.0	0.0	377	377	32.8
360	Y060_060_060ad	0.5	0.5	0.0	0.5	39.7	0.0	0.0	0.0	377	377	32.8
361	Y060_060_060ad	0.5	0.5	0.125	0.5	39.9	0.0	0.0	0.0	377	377	32.8
362	Y060_060_060ad	0.5	0.5	0.25	0.5	40.1	0.0	0.0	0.0	377	377	32.8
363	Y060_060_060ad	0.5	0.5	0.375	0.5	40.3	0.0	0.0	0.0	377	377	32.8
364	Y060_060_060ad	0.5	0.5	0.5	0.5	40.5	0.0	0.0	0.0	377	377	32.8
365	Y060_060_060ad	0.5	0.625	0.0	0.5	40.7	0.0	0.0	0.0	377	377	32.8
366	Y060_060_060ad	0.5	0.625	0.125	0.5	40.9	0.0	0.0	0.0	377	377	32.8
367	Y060_060_060ad	0.5	0.625	0.25	0.5	41.1	0.0	0.0	0.0	377	377	32.8
368	Y060_060_060ad	0.5	0.625	0.375	0.5	41.3	0.0	0.0	0.0	377	377	32.8
369	Y060_060_060ad	0.5	0.625	0.5	0.5	41.5	0.0	0.0	0.0	377	377	32.8
370	Y060_060_060ad	0.5	0.625	0.625	0.5	41.7	0.0	0.0	0.0	377	377	32.8
371	Y060_060_060ad	0.5	0.625	0.75	0.5	41.9	0.0	0.0	0.0	377	377	32.8
372	Y060_060_060ad	0.5	0.625	0.875	0.5	42.1	0.0	0.0	0.0	377	377	32.8
373	Y060_060_060ad	0.5	0.625	1.0	0.5	42.3	0.0	0.0	0.0	377	377	32.8
374	G080_080_080ad	0.5	0.625	0.0	0.5	42.5	0.0	0.0	0.0	377	377	32.8
375	G080_080_080ad	0.5	0.625	0.125	0.5	42.7	0.0	0.0	0.0	377	377	32.8
376	G080_080_080ad	0.5	0.625	0.25	0.5	42.9	0.0	0.0	0.0	377	377	32.8
377	G080_080_080ad	0.5	0.625	0.375	0.5	43.1	0.0	0.0	0.0	377	377	32.8
378	G080_080_080ad	0.5	0.625	0.5	0.5	43.3	0.0	0.0	0.0	377	377	32.8
379	G080_080_080ad	0.5	0.625	0.625	0.5	43.5	0.0	0.0	0.0	377	377	32.8
380	G080_080_080ad	0.5	0.625	0.75	0.5	43.7	0.0	0.0	0.0	377	377	32.8
381	G080_080_080ad	0.5	0.625	0.875	0.5	43.9	0.0	0.0	0.0	377	377	32.8
382	G080_080_080ad	0.5	0.625	1.0	0.5	44.1	0.0	0.0	0.0	377	377	32.8
383	B080_080_080ad	0.5	0.75	0.0	0.5	44.3	0.0	0.0	0.0	377	377	32.8
384	B080_080_080ad	0.5	0.75	0.125	0.5	44.5	0.0	0.0	0.0	377	377	32.8
385	B080_080_080ad	0.5	0.75	0.25	0.5	44.7	0.0	0.0	0.0	377	377	32.8
386	B080_080_080ad	0.5	0.75	0.375	0.5	44.9	0.0	0.0	0.0	377	377	32.8
387	B080_080_080ad	0.5	0.75	0.5	0.5	45.1	0.0	0.0	0.0	377	377	32.8
388	B080_080_080ad	0.5	0.75	0.625	0.5	45.3	0.0	0.0	0.0	377	377	32.8
389	B080_080_080ad	0.5	0.75	0.75	0.5	45.5	0.0	0.0	0.0	377	377	32.8
390	B080_080_080ad	0.5	0.75	0.875	0.5	45.7	0.0	0.0	0.0	377	377	32.8
391	B080_080_080ad	0.5	0.75	1.0	0.5	45.9	0.0	0.0	0.0	377	377	32.8
392	G100_100_100ad	0.5	0.875	0.0	0.5	46.1	0.0	0.0	0.0	377	377	32.8
393	G100_100_100ad	0.5	0.875	0.125	0.5	46.3	0.0	0.0	0.0	377	377	32.8
394	G100_100_100ad	0.5	0.875	0.25	0.5	46.5	0.0	0.0	0.0	377	377	32.8
395	G100_100_100ad	0.5	0.875	0.375	0.5	46.7	0.0	0.0	0.0	377	377	32.8
396	G100_100_100ad	0.5	0.875	0.5	0.5	46.9	0.0	0.0	0.0	377	377	32.8
397	G100_100_100ad	0.5	0.875	0.625	0.5	47.1	0.0	0.0	0.0	377	377	32.8
398	G100_100_100ad	0.5	0.875	0.75	0.5	47.3	0.0	0.0	0.0	377	377	32.8
399	G100_100_100ad	0.5	0.875	0.875	0.5	47.5	0.0	0.0	0.0	377	377	32.8
400	G100_100_100ad	0.5	0.875	1.0	0.5	47.7	0.0	0.0	0.0	377	377	32.8
401	B100_100_100ad	0.5	1.0	0.0	0.5	47.9	0.0	0.0	0.0	377	377	32.8
402	B100_100_100ad	0.5	1.0	0.125	0.5	48.1	0.0	0.0	0.0	377	377	32.8
403	B100_100_100ad	0.5	1.0	0.25	0.5	48.3	0.0	0.0	0.0	377	377	32.8
404	B100_100_100ad	0.5	1.0	0.375	0.5	48.5	0.0	0.0	0.0	377	377	32.8

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technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



http://130.149.60.45/~farbmatrik/QE94/QE94L0FP.PDF /.PS; 3D-linearization F: 3D-linearization QE94/QE94LE30FP.DAT in file (F), page 28/33



see similar files: http://130.149.60.45/~farbmatrik/QE94/QE94L0FP.PDF /.PS technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmatrik

n	HC*Field	rgb_Field	lcr_Field	hsa_Field	rgb*Field	LabCH*Field	cmyn*sep.Field	hsa*id	rgb*id	LabCH*id	delta
648	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	390	1.0	0.0	0.0
649	R38Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	383	1.0	0.0	0.0
650	R13Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	377	1.0	0.0	0.0
651	R23Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	368	1.0	0.0	0.0
652	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	360	1.0	0.0	0.0
653	R68R_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	351	1.0	0.0	0.0
654	B61R_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	342	1.0	0.0	0.0
655	B55R_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	336	1.0	0.0	0.0
656	B50R_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	330	1.0	0.0	0.0
657	R11Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	36	1.0	0.0	0.0
658	R00Y_100_097ad	1.0	0.875	0.562	390	1.0	0.875	389	1.0	0.0	0.0
659	R38Y_100_097ad	1.0	0.875	0.562	382	1.0	0.875	382	1.0	0.0	0.0
660	R23Y_100_097ad	1.0	0.875	0.562	374	1.0	0.875	375	1.0	0.0	0.0
661	R00Y_100_097ad	1.0	0.875	0.562	365	1.0	0.875	365	1.0	0.0	0.0
662	R68R_100_097ad	1.0	0.875	0.562	355	1.0	0.875	354	1.0	0.0	0.0
663	B61R_100_097ad	1.0	0.875	0.562	346	1.0	0.875	344	1.0	0.0	0.0
664	B55R_100_097ad	1.0	0.875	0.562	338	1.0	0.875	337	1.0	0.0	0.0
665	B50R_100_097ad	1.0	0.875	0.562	330	1.0	0.875	330	1.0	0.0	0.0
666	R23Y_100_100ad	1.0	0.25	0.0	1.0	0.25	0.0	42	1.0	0.25	0.0
667	R13Y_100_100ad	1.0	0.25	0.0	1.0	0.25	0.0	37	1.0	0.25	0.0
668	R00Y_100_100ad	1.0	0.25	0.0	1.0	0.25	0.0	389	1.0	0.0	0.0
669	R38Y_100_100ad	1.0	0.25	0.0	1.0	0.25	0.0	382	1.0	0.0	0.0
670	R23Y_100_100ad	1.0	0.25	0.0	1.0	0.25	0.0	371	1.0	0.0	0.0
671	R00Y_100_100ad	1.0	0.25	0.0	1.0	0.25	0.0	360	1.0	0.0	0.0
672	R68R_100_100ad	1.0	0.25	0.0	1.0	0.25	0.0	349	1.0	0.0	0.0
673	B61R_100_100ad	1.0	0.25	0.0	1.0	0.25	0.0	337	1.0	0.0	0.0
674	B55R_100_100ad	1.0	0.25	0.0	1.0	0.25	0.0	330	1.0	0.0	0.0
675	B50R_100_100ad	1.0	0.25	0.0	1.0	0.25	0.0	44	1.0	0.25	0.0
676	R23Y_100_100ad	1.0	0.875	0.562	46	1.0	0.875	44	1.0	0.25	0.0
677	R13Y_100_100ad	1.0	0.875	0.562	39	1.0	0.875	39	1.0	0.25	0.0
678	R00Y_100_100ad	1.0	0.625	0.687	390	1.0	0.625	389	1.0	0.0	0.0
679	R38Y_100_100ad	1.0	0.625	0.687	379	1.0	0.625	380	1.0	0.0	0.0
680	R23Y_100_100ad	1.0	0.625	0.687	367	1.0	0.625	367	1.0	0.0	0.0
681	R00Y_100_100ad	1.0	0.625	0.687	353	1.0	0.625	352	1.0	0.0	0.0
682	B68R_100_100ad	1.0	0.625	0.687	341	1.0	0.625	339	1.0	0.0	0.0
683	B59R_100_100ad	1.0	0.625	0.687	330	1.0	0.625	330	1.0	0.0	0.0
684	R50Y_100_100ad	1.0	0.5	0.0	1.0	0.5	0.0	59	1.0	0.5	0.0
685	R41Y_100_100ad	1.0	0.875	0.562	55	1.0	0.875	54	1.0	0.875	0.0
686	R31Y_100_100ad	1.0	0.5	0.25	1.0	0.5	0.25	48	1.0	0.5	0.25
687	R18Y_100_100ad	1.0	0.5	0.375	1.0	0.5	0.375	39	1.0	0.5	0.375
688	R00Y_100_100ad	1.0	0.5	0.5	1.0	0.5	0.5	389	1.0	0.0	0.0
689	R26Y_100_100ad	1.0	0.5	0.625	1.0	0.5	0.625	377	1.0	0.0	0.0
690	R00Y_100_100ad	1.0	0.5	0.75	1.0	0.5	0.75	360	1.0	0.0	0.0
691	B61R_100_100ad	1.0	0.5	0.875	1.0	0.5	0.875	342	1.0	0.0	0.0
692	B50R_100_100ad	1.0	0.5	0.875	1.0	0.5	0.875	330	1.0	0.0	0.0
693	R63Y_100_100ad	1.0	0.625	0.125	1.0	0.625	0.125	68	1.0	0.625	0.125
694	R38Y_100_100ad	1.0	0.625	0.125	1.0	0.625	0.125	65	1.0	0.625	0.125
695	R30Y_100_100ad	1.0	0.625	0.25	1.0	0.625	0.25	52	1.0	0.625	0.25
696	R38Y_100_100ad	1.0	0.625	0.375	1.0	0.625	0.375	42	1.0	0.625	0.375
697	R23Y_100_100ad	1.0	0.625	0.5	1.0	0.625	0.5	389	1.0	0.0	0.0
698	R00Y_100_100ad	1.0	0.625	0.625	1.0	0.625	0.625	371	1.0	0.0	0.0
699	R18Y_100_100ad	1.0	0.625	0.75	1.0	0.625	0.75	348	1.0	0.0	0.0
700	B68R_100_100ad	1.0	0.625	0.875	1.0	0.625	0.875	330	1.0	0.0	0.0
701	B59R_100_100ad	1.0	0.625	1.0	1.0	0.625	1.0	42	1.0	0.625	1.0
702	R76Y_100_100ad	1.0	0.75	0.125	1.0	0.75	0.125	77	1.0	0.75	0.125
703	R31Y_100_100ad	1.0	0.75	0.25	1.0	0.75	0.25	71	1.0	0.75	0.25
704	R00Y_100_100ad	1.0	0.75	0.375	1.0	0.75	0.375	67	1.0	0.75	0.375
705	B61R_100_100ad	1.0	0.75	0.5	1.0	0.75	0.5	59	1.0	0.75	0.5
706	B55R_100_100ad	1.0	0.75	0.625	1.0	0.75	0.625	48	1.0	0.75	0.625
707	R31Y_100_100ad	1.0	0.75	0.625	1.0	0.75	0.625	389	1.0	0.0	0.0
708	R00Y_100_100ad	1.0	0.75	0.875	1.0	0.75	0.875	360	1.0	0.0	0.0
709	B50R_100_100ad	1.0	0.75	1.0	1.0	0.75	1.0	330	1.0	0.0	0.0
710	R88Y_100_100ad	1.0	0.875	0.125	1.0	0.875	0.125	83	1.0	0.875	0.125
711	R85Y_100_100ad	1.0	0.875	0.25	1.0	0.875	0.25	82	1.0	0.875	0.25
712	R85Y_100_100ad	1.0	0.875	0.375	1.0	0.875	0.375	81	1.0	0.875	0.375
713	R85Y_100_100ad	1.0	0.875	0.5	1.0	0.875	0.5	80	1.0	0.875	0.5
714	R81Y_100_100ad	1.0	0.875	0.625	1.0	0.875	0.625	79	1.0	0.875	0.625
715	R76Y_100_100ad	1.0	0.875	0.75	1.0	0.875	0.75	78	1.0	0.875	0.75
716	R68Y_100_100ad	1.0	0.875	0.875	1.0	0.875	0.875	77	1.0	0.875	0.875
717	R59Y_100_100ad	1.0	0.875	1.0	1.0	0.875	1.0	76	1.0	0.875	1.0
718	R00Y_100_100ad	1.0	0.875	0.875	1.0	0.875	0.875	390	1.0	0.0	0.0
719	B50R_100_100ad	1.0	0.875	1.0	1.0	0.875	1.0	389	1.0	0.0	0.0
720	Y00C_100_100ad	1.0	1.0	0.0	1.0	1.0	0.0	89	1.0	1.0	0.0
721	Y00C_100_100ad	1.0	1.0	0.125	1.0	1.0	0.125	88	1.0	1.0	0.125
722	Y00C_100_100ad	1.0	1.0	0.25	1.0	1.0	0.25	87	1.0	1.0	0.25
723	Y00C_100_100ad	1.0	1.0	0.375	1.0	1.0	0.375	86	1.0	1.0	0.375
724	Y00C_100_100ad	1.0	1.0	0.5	1.0	1.0	0.5	85	1.0	1.0	0.5
725	Y00C_100_100ad	1.0	1.0	0.625	1.0	1.0	0.625	84	1.0	1.0	0.625
726	Y00C_100_100ad	1.0	1.0	0.75	1.0	1.0	0.75	83	1.0	1.0	0.75
727	Y00C_100_100ad	1.0	1.0	0.875	1.0	1.0	0.875	82	1.0	1.0	0.875
728	NW_100ad	1.0	1.0	1.0	1.0	1.0	1.0	360	1.0	1.0	0.0

TUB-test chart QE94; hue code: H*d=G50Bd colors and differences, ΔE*

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

