

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 46/360 = 0.12$

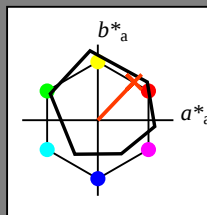
Data for any device (d) or elementary (e) colour:

HIC^*

hue text for the colours of this page:

$H^*_- = R25Y_-$

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):

$LabCh^*_{-,Ma}$: 56 48 50 69 46

$HIC^*_{-,Ma}$: R25Y_100_100

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

1.0 0.23 0.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

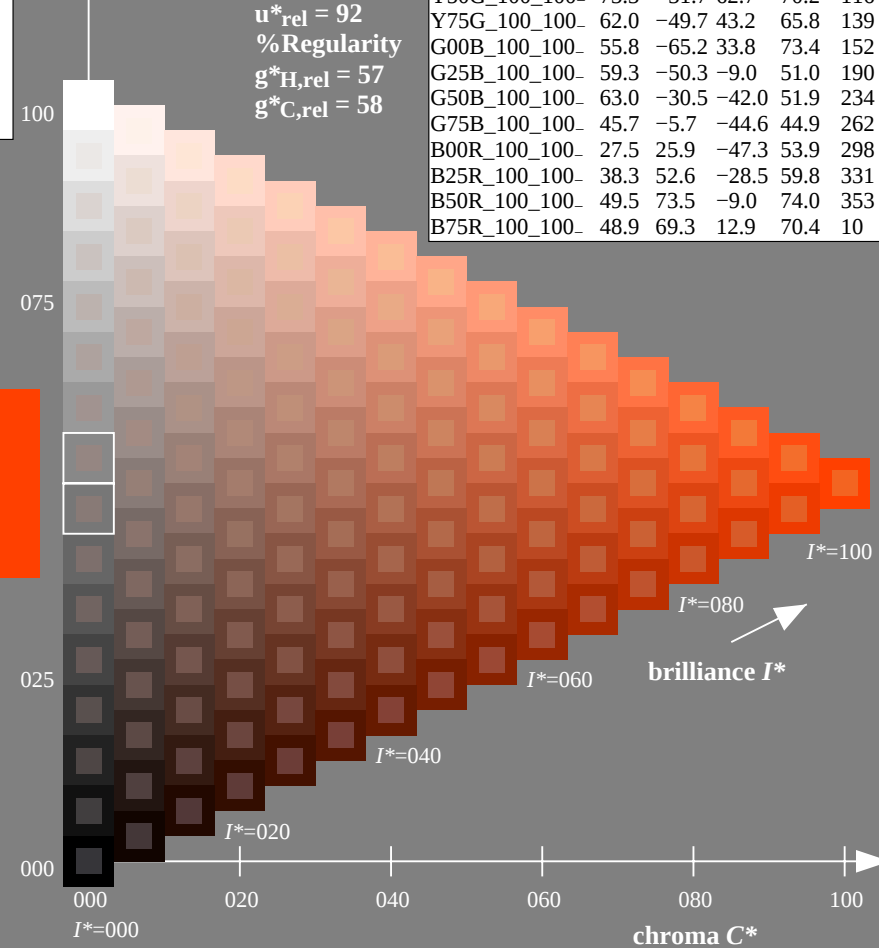
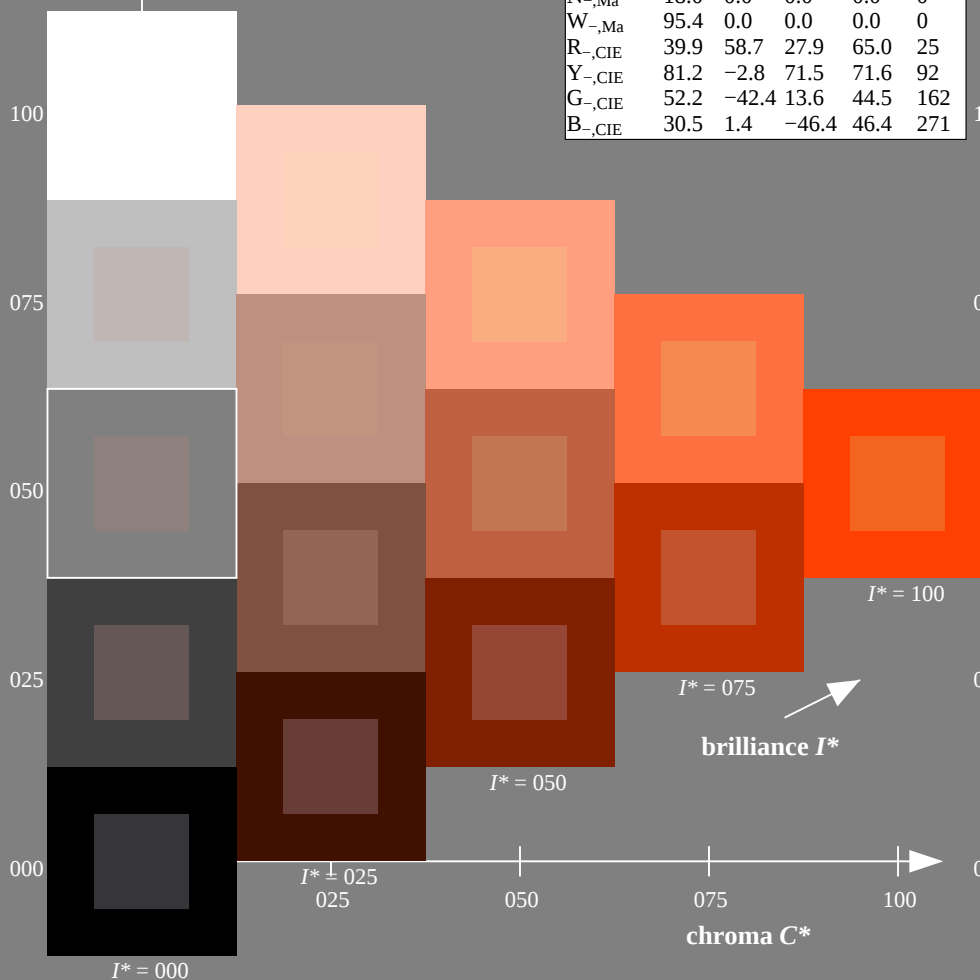
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_-	$L^*=L^*_a$	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 QE08; hue code: $H^*_- = R25Y_-$
Test chart according to DIN 33872, 3D=1, de=1, $cmY0^*$

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

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 41/360 = 0.11$

$H^*_e = R25Y_e$

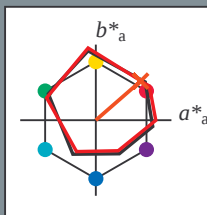
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = R25Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	45.6	72.2	34.4	80.0	25
$Y_{e,Ma}$	83.6	-3.6	90.4	90.4	92
$G_{e,Ma}$	50.6	-62.1	19.9	65.2	162
$C_{e,Ma}$	55.0	-36.2	-27.2	45.3	216
$B_{e,Ma}$	40.2	1.2	-40.6	40.6	271
$M_{e,Ma}$	31.1	47.7	-29.1	55.9	328
$N_{e,Ma}$	24.3	0.0	0.0	0.0	0
$W_{e,Ma}$	95.6	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{e,CIE}$	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{e,Ma}$: 50 59 51 78 41

$HIC^*_{e,Ma}$: R25Y_100_100_e

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

1.0 0.16 0.0 1.0 1.0

triangle lightness T^*

% Gamut

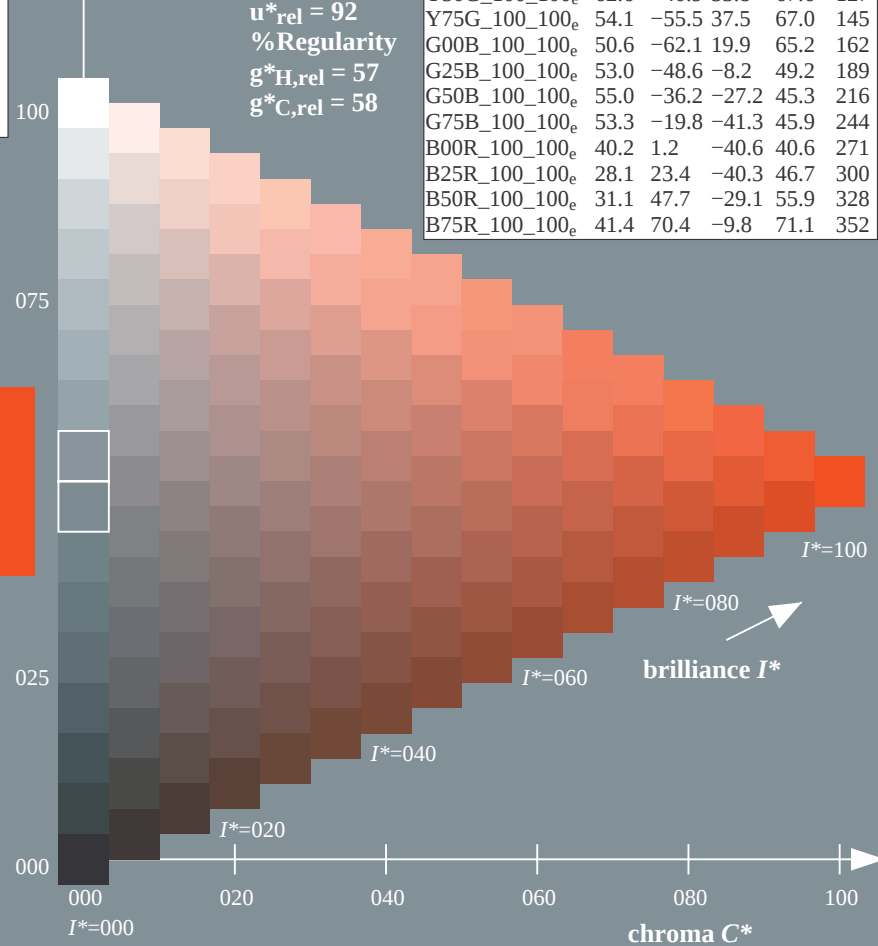
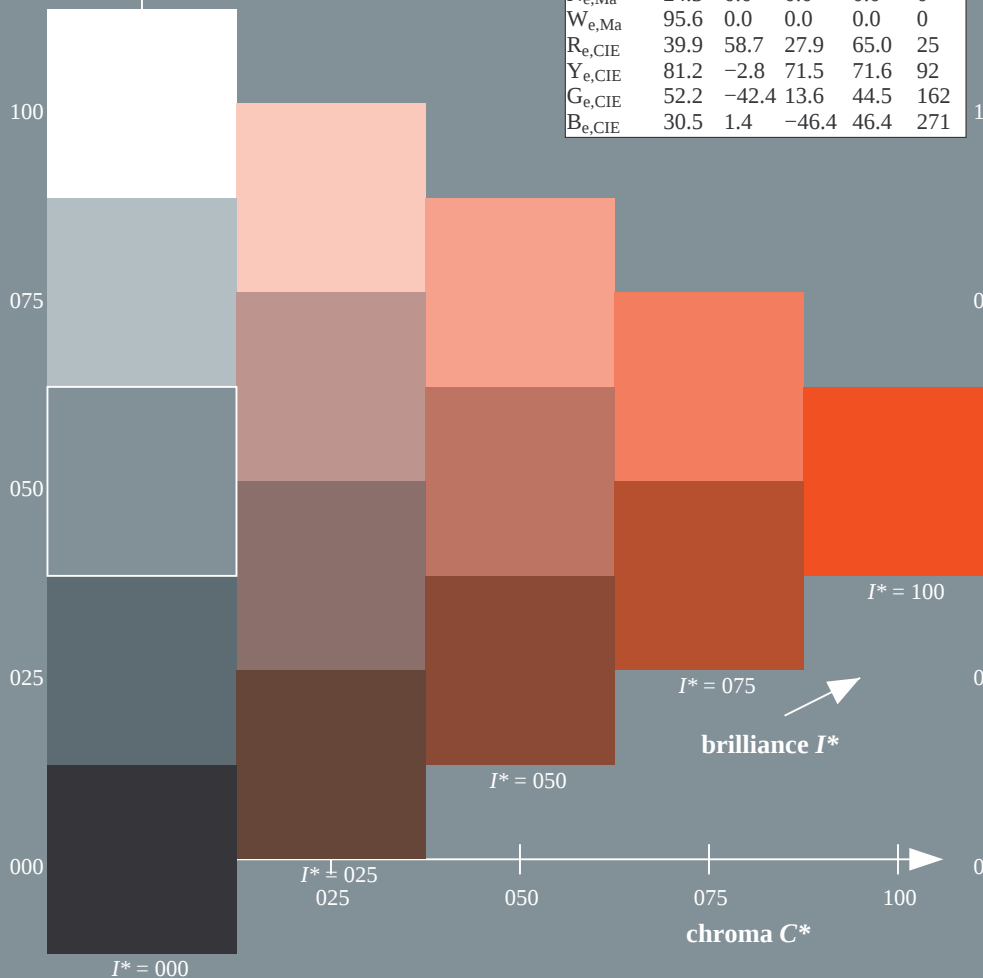
$u^*_{rel} = 92$

% 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_e	45.6	72.2	34.4	80.0	25
R25Y_100_100_e	50.5	59.2	51.6	78.6	41
R50Y_100_100_e	60.2	38.2	63.4	74.1	58
R75Y_100_100_e	70.9	17.9	75.9	77.9	76
Y00G_100_100_e	83.6	-3.6	90.4	90.4	92
Y25G_100_100_e	74.5	-25.0	74.3	78.4	108
Y50G_100_100_e	62.6	-40.9	53.8	67.6	127
Y75G_100_100_e	54.1	-55.5	37.5	67.0	145
G00B_100_100_e	50.6	-62.1	19.9	65.2	162
G25B_100_100_e	53.0	-48.6	-8.2	49.2	189
G50B_100_100_e	55.0	-36.2	-27.2	45.3	216
G75B_100_100_e	53.3	-19.8	-41.3	45.9	244
B00R_100_100_e	40.2	1.2	-40.6	40.6	271
B25R_100_100_e	28.1	23.4	-40.3	46.7	300
B50R_100_100_e	31.1	47.7	-29.1	55.9	328
B75R_100_100_e	41.4	70.4	-9.8	71.1	352



TUB-test chart QE08; hue code: $H^*_e = R25Y_e$
Test chart according to DIN 33872, 3D=1, de=1, $cmY0^*$

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

TUB registration: 20130201-QE08/QE08L0FA.TXT /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 $h_{ab,a,rel} = h_{ab}/360 = 41/360 = 0.11$

$H^*_e = R25Y_e$

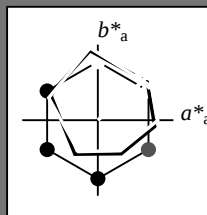
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = R25Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_e, Ma	45.6	72.2	34.4	80.0	25
Y_e, Ma	83.6	-3.6	90.4	90.4	92
G_e, Ma	50.6	-62.1	19.9	65.2	162
C_e, Ma	55.0	-36.2	-27.2	45.3	216
B_e, Ma	40.2	1.2	-40.6	40.6	271
M_e, Ma	31.1	47.7	-29.1	55.9	328
N_e, Ma	24.3	0.0	0.0	0.0	0
W_e, Ma	95.6	0.0	0.0	0.0	0
R_e, CIE	39.9	58.7	27.9	65.0	25
Y_e, CIE	81.2	-2.8	71.5	71.6	92
G_e, CIE	52.2	-42.4	13.6	44.5	162
B_e, CIE	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_e, Ma: 50 \ 59 \ 51 \ 78 \ 41$

$HIC^*_e, Ma: R25Y_{100} \ 100_e$

$rgbic^*_e, Ma:$

1.0 0.16 0.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

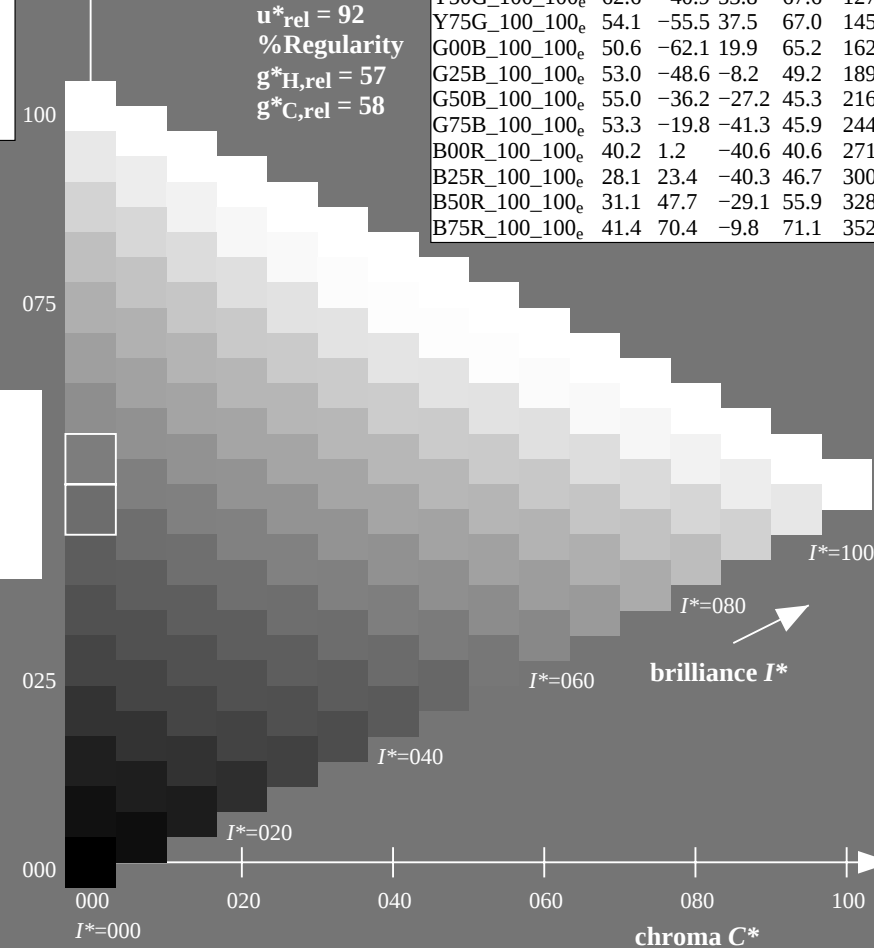
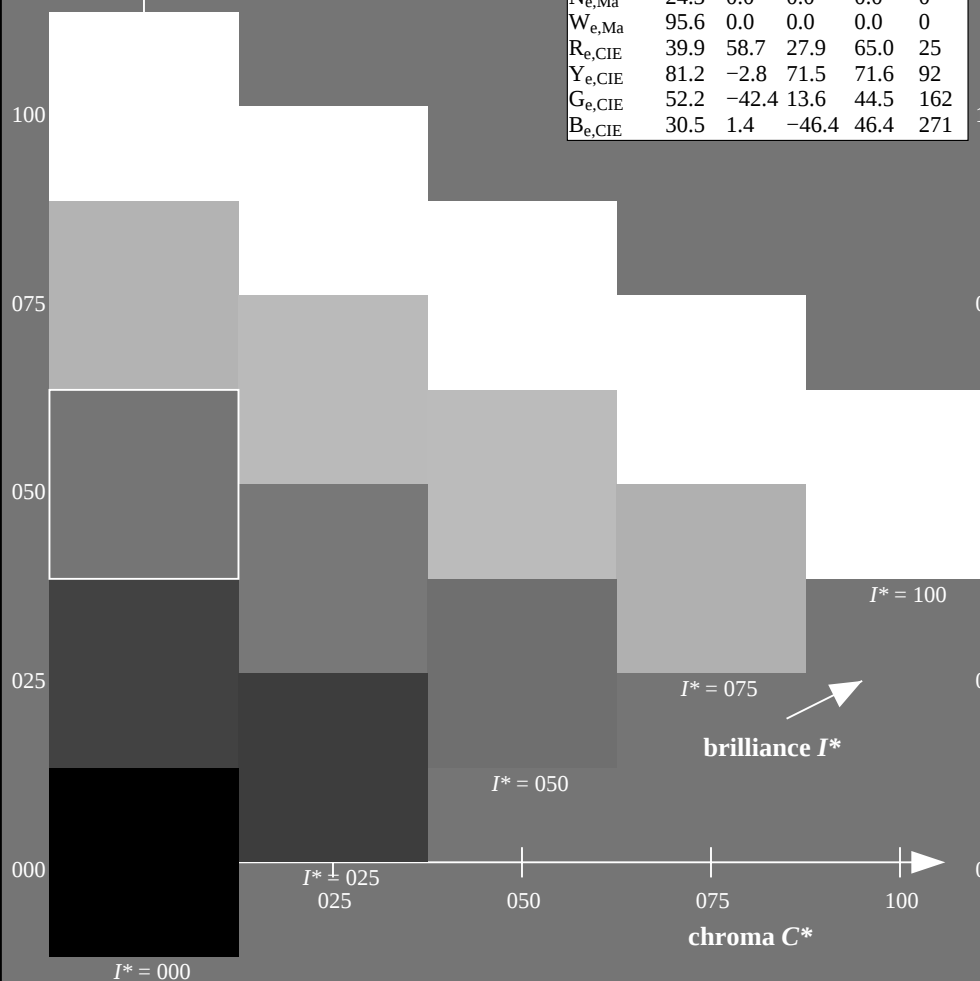
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_{100} \ 100_e$	45.6	72.2	34.4	80.0	25
$R25Y_{100} \ 100_e$	50.5	59.2	51.6	78.6	41
$R50Y_{100} \ 100_e$	60.2	38.2	63.4	74.1	58
$R75Y_{100} \ 100_e$	70.9	17.9	75.9	77.9	76
$Y00G_{100} \ 100_e$	83.6	-3.6	90.4	90.4	92
$Y25G_{100} \ 100_e$	74.5	-25.0	74.3	78.4	108
$Y50G_{100} \ 100_e$	62.6	-40.9	53.8	67.6	127
$Y75G_{100} \ 100_e$	54.1	-55.5	37.5	67.0	145
$G00B_{100} \ 100_e$	50.6	-62.1	19.9	65.2	162
$G25B_{100} \ 100_e$	53.0	-48.6	-8.2	49.2	189
$G50B_{100} \ 100_e$	55.0	-36.2	-27.2	45.3	216
$G75B_{100} \ 100_e$	53.3	-19.8	-41.3	45.9	244
$B00R_{100} \ 100_e$	40.2	1.2	-40.6	40.6	271
$B25R_{100} \ 100_e$	28.1	23.4	-40.3	46.7	300
$B50R_{100} \ 100_e$	31.1	47.7	-29.1	55.9	328
$B75R_{100} \ 100_e$	41.4	70.4	-9.8	71.1	352



1-113231-L0 QE080-73

TUB-test chart QE08; hue code: $H^*_e = R25Y_e$
Test chart according to DIN 33872, 3D=1, $de=1$, $cmY0^*$

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

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 41/360 = 0.11$

$H^*_e = R25Y_e$

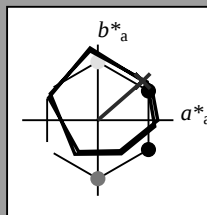
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = R25Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
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M_e, Ma	31.1	47.7	-29.1	55.9	328
N_e, Ma	24.3	0.0	0.0	0.0	0
W_e, Ma	95.6	0.0	0.0	0.0	0
R_e, CIE	39.9	58.7	27.9	65.0	25
Y_e, CIE	81.2	-2.8	71.5	71.6	92
G_e, CIE	52.2	-42.4	13.6	44.5	162
B_e, CIE	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{e, Ma}$: 50 59 51 78 41

$HIC^*_{e, Ma}$: R25Y_100_100_e

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

1.0 0.16 0.0 1.0 1.0

triangle lightness T^*

% Gamut

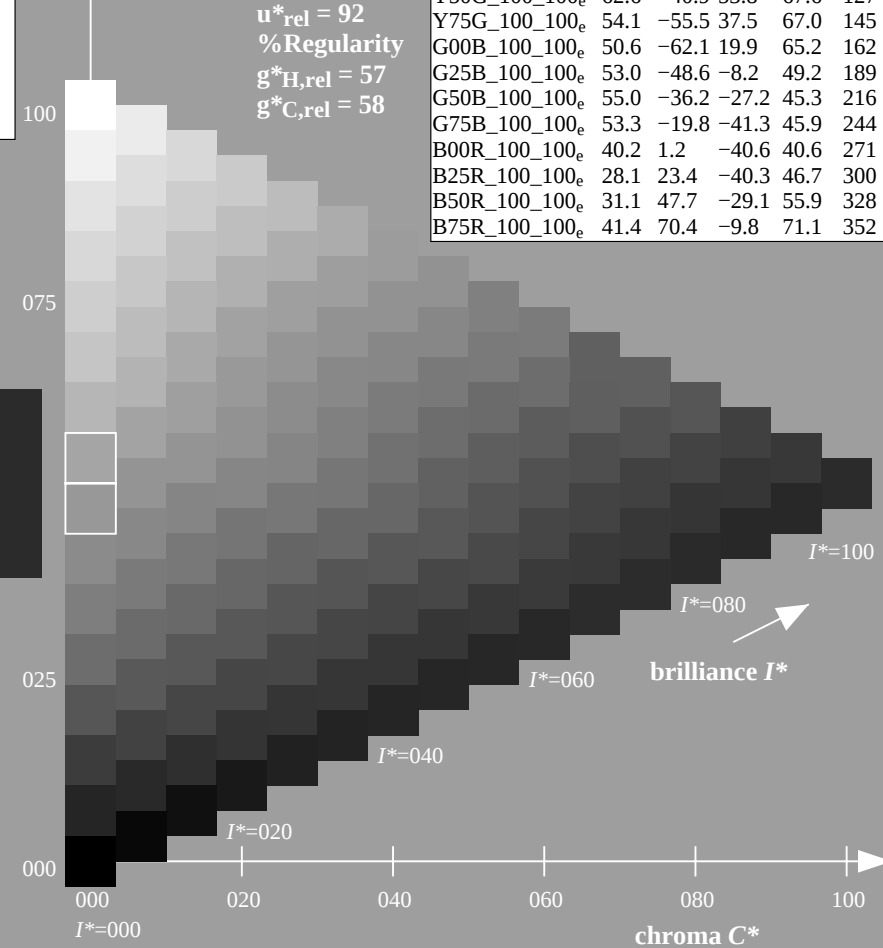
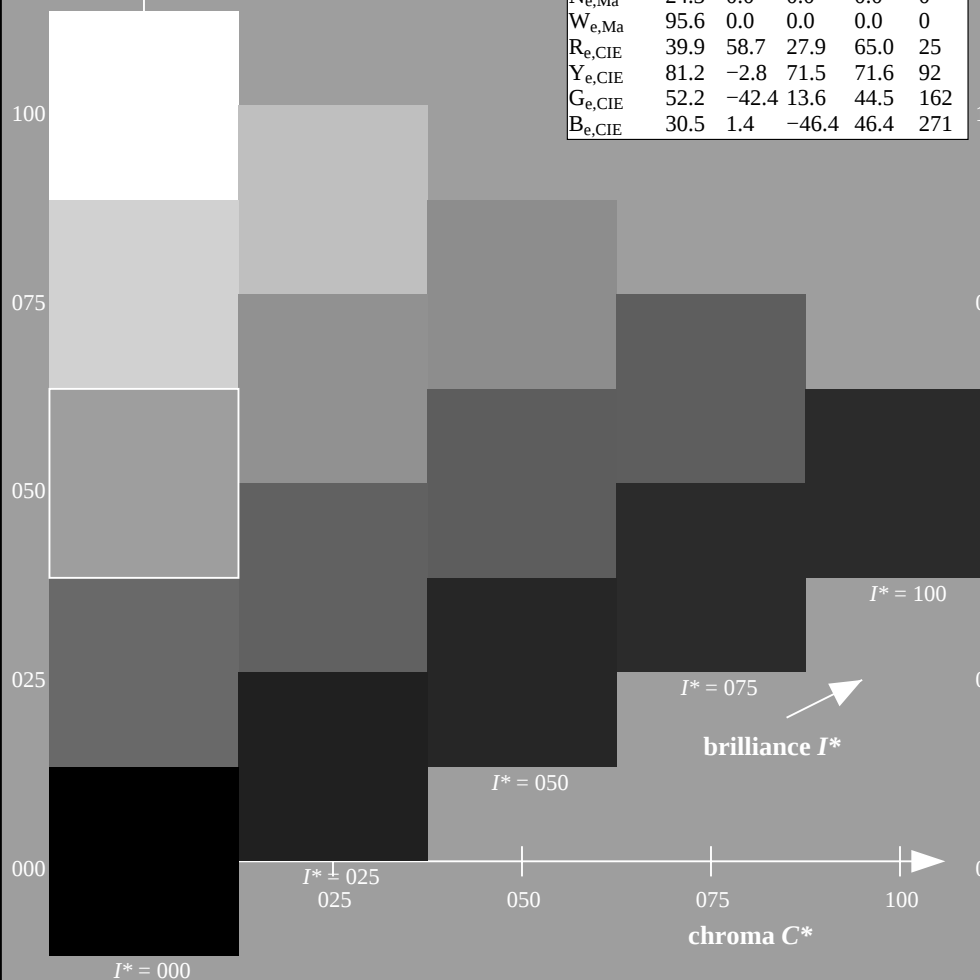
$u^*_{rel} = 92$

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

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R75Y_100_100_e	70.9	17.9	75.9	77.9	76
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Y75G_100_100_e	54.1	-55.5	37.5	67.0	145
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G25B_100_100_e	53.0	-48.6	-8.2	49.2	189
G50B_100_100_e	55.0	-36.2	-27.2	45.3	216
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TUB-test chart QE08; hue code: $H^*_e = R25Y_e$
Test chart according to DIN 33872, 3D=1, $de=1$, $cmY0^*$

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

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 41/360 = 0.11$

$H^*_e = R25Y_e$

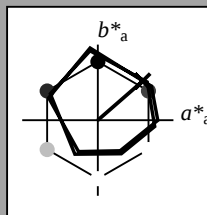
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours
of this page:

$H^*_e = R25Y_e$

triangle lightness T^*



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$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	-42.4	13.6	44.5	162
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Data for maximum colour (Ma):

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$HIC^*_{e,Ma}$: R25Y_100_100_e

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

1.0 0.16 0.0 1.0 1.0

triangle lightness T^*

% Gamut

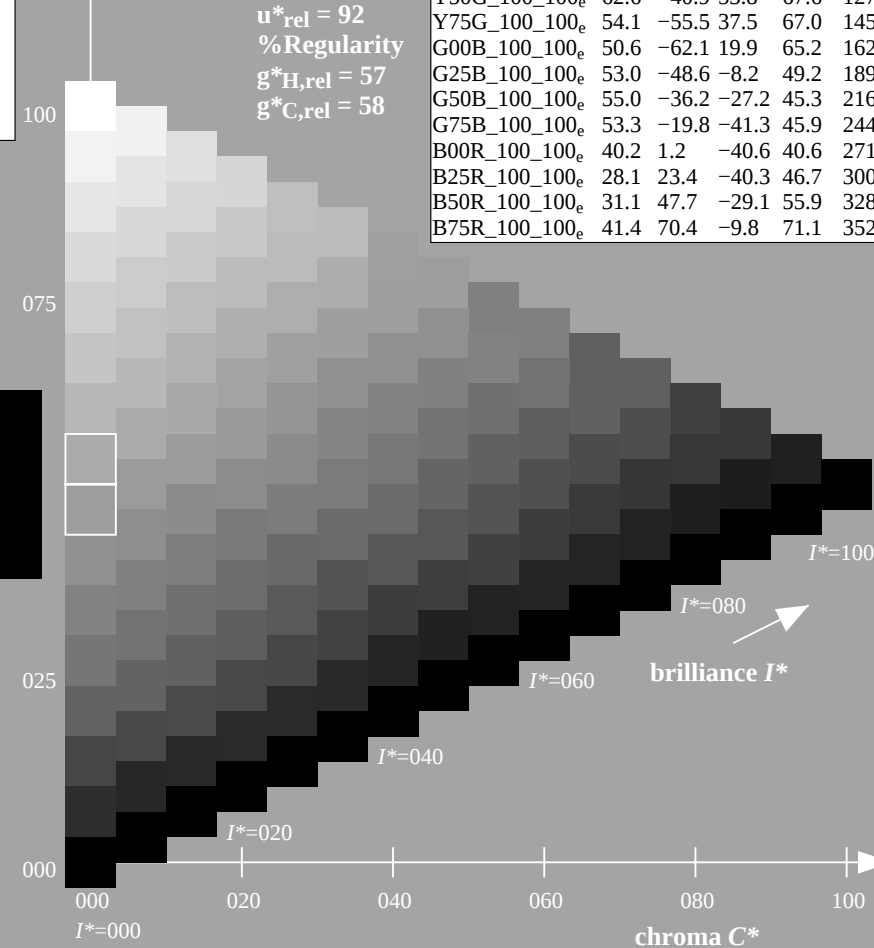
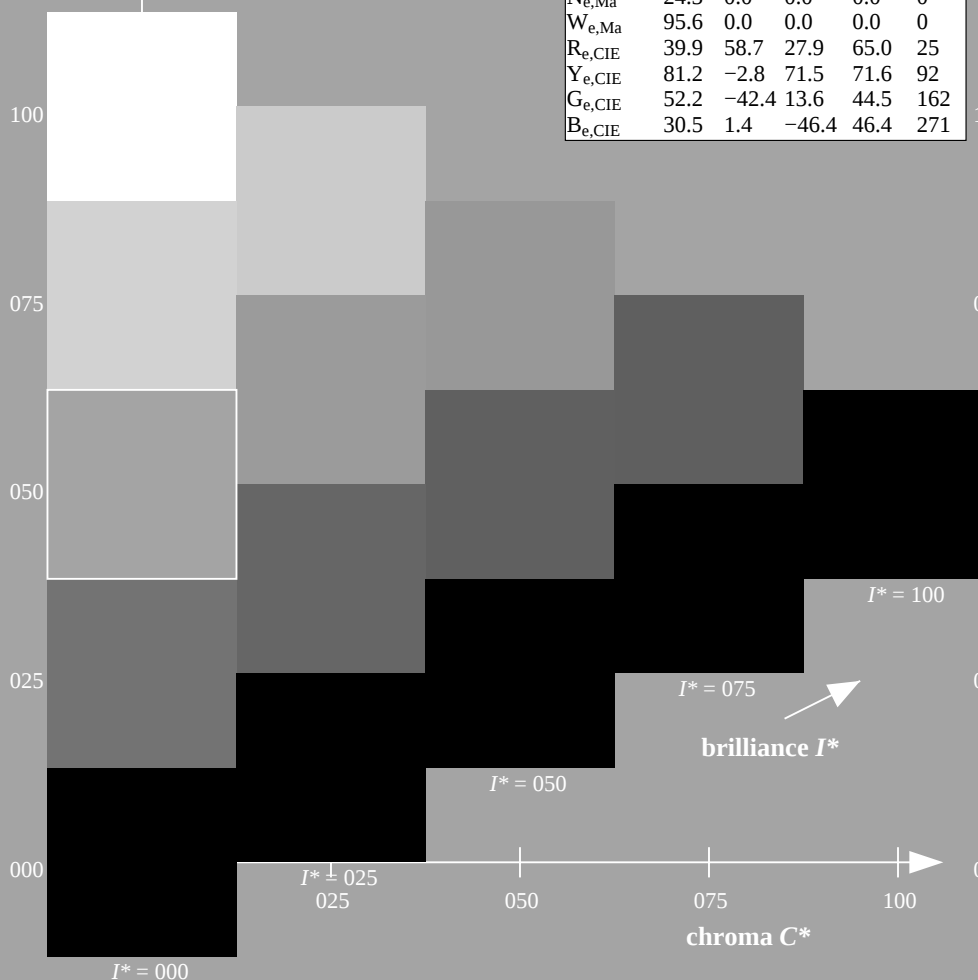
$u^*_{rel} = 92$

% Regularity

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

ORS20a; adapted (a) CIELAB data					
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$R50Y_{100_100_e}$	60.2	38.2	63.4	74.1	58
$R75Y_{100_100_e}$	70.9	17.9	75.9	77.9	76
$Y00G_{100_100_e}$	83.6	-3.6	90.4	90.4	92
$Y25G_{100_100_e}$	74.5	-25.0	74.3	78.4	108
$Y50G_{100_100_e}$	62.6	-40.9	53.8	67.6	127
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$G50B_{100_100_e}$	55.0	-36.2	-27.2	45.3	216
$G75B_{100_100_e}$	53.3	-19.8	-41.3	45.9	244
$B00R_{100_100_e}$	40.2	1.2	-40.6	40.6	271
$B25R_{100_100_e}$	28.1	23.4	-40.3	46.7	300
$B50R_{100_100_e}$	31.1	47.7	-29.1	55.9	328
$B75R_{100_100_e}$	41.4	70.4	-9.8	71.1	352



1-113431-L0 QE080-73

TUB-test chart QE08; hue code: $H^*_e = R25Y_e$
Test chart according to DIN 33872, 3D=1, $de=1$, $cmY0^*$

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

TUB registration: 20130201-QE08/QE08L0FA.TXT /.PS
application for measurement of offset print output, separation $cmY0^*$ (CMY0)

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/QE08/QE08L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE08/QE08LE30FA.DAT in file (F), page 6/33

see similar files: <http://130.149.60.45/~farbmetrik/QE08/QE08.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

1-113531-L0 QE080-73

TUB-test chart QE08; hue code: $H_e^* = R25Y_e$
Test chart according to DIN 33872, 3D=1, $de=1$, $cmY0^*$

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

1-113531-E0

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$J=Y_d$ Yellow

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

$L=G_d$ leaf-green

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

$C=C_d$ cyan-blue

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

$O=R_d$ orange-red

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

$M=M_d$ magenta-red

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

$V=B_d$ violet-blue

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

Y_e yellow

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

G_e green

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

C_e blue-green

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

B_e blue

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

R_e red

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

M_e blue-red

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

Y_s yellow

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

G_s green

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

R_s red

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

C_s blue-green

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

M_s blue-red

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

B_s blue

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

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

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

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

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

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

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

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

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

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

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

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

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

1-113631-L0 QE080-73 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 QE08; hue code: $H^*_e=R25Y_e$
48 step hue circles; $rgb-LabCh^*$ -tables

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

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

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

The angles of the primary colours (x=LabCh)										The angles of the secondary colours (x=LabCh)										The angles of the tertiary 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	0.1	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	0.2	0.0	53.7	52.0	55.5	76.0	46	1.0	0.223	0.0	52.7	54.4	54.4	76.9	45	1.0	0.183	0.0	51.1	57.9	52.5	78.1	42
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	1.0	0.3	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	137	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	-5.7	-40.9	41.4	262								

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	LAB^*_{ddx64M} (x=LabCh)	$rgb^*_{dex361M}$	$LAB^*_{dex361M}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}													
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	1.0	0.0	0.255	45.7	72.2	34.4	80.0	25			
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	38.1	1.0	0.021	0.0	46.0	69.6	45.7	83.3	33			
46.8	45.0	42.1	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	46.8	1.0	0.183	0.0	51.1	57.9	52.5	78.1	42			
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	56.9	1.0	0.288	0.0	55.4	48.5	57.8	75.4	49			
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	67.1	1.0	0.398	0.0	60.3	38.3	63.5	74.1	58			
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6	78.6	1.0	0.494	0.0	64.6	29.5	68.4	74.5	66			
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	86.2	1.0	0.592	0.0	70.2	19.3	75.2	77.6	75			
92.1	82.5	83.9	1.0	0.875	0.0	83.4	-3.4	90.2	90.2	92.1	92.1	1.0	0.703	0.0	75.8	9.4	81.5	82.0	83			
96.1	90.0	92.3	1.0	1.0	0.0	87.8	-10.2	95.4	96.0	96.1	96.1	1.0	0.879	0.0	83.6	-3.6	90.4	90.5	92			
98.8	97.5	101.0	0.875	1.0	0.0	84.3	-13.9	89.2	90.3	98.8	98.8	0.807	1.0	0.0	82.4	-15.8	86.2	87.7	100			
101.8	105.0	109.7	0.75	1.0	0.0	80.7	-17.5	83.5	85.3	101.8	101.8	0.583	1.0	0.0	73.7	-26.1	72.7	77.3	109			
107.6	112.5	118.5	0.625	1.0	0.0	75.3	-24.0	75.7	79.4	107.6	107.6	0.434	1.0	0.0	68.0	-32.9	62.2	70.5	117			
114.0	120.0	127.2	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114.0	114.0	0.322	1.0	0.0	62.6	-40.8	53.8	67.6	127			
121.4	127.5	136.0	0.375	1.0	0.0	65.7	-35.6	58.3	68.3	121.4	121.4	0.249	1.0	0.0	58.4	-47.4	46.8	66.6	135			
135.3	135.0	144.7	0.25	1.0	0.0	58.4	-47.3	46.8	66.6	135.3	135.3	0.122	1.0	0.0	54.6	-54.2	38.4	66.5	144			
144.4	142.5	153.4	0.125	1.0	0.0	54.7	-53.9	38.5	66.3	144.4	144.4	0.03	1.0	0.0	51.2	-62.4	32.0	70.2	152			
155.5	150.0	162.2	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	155.5	155.5	0.0	1.0	0.151	50.7	-62.0	19.9	65.2	162			
160.7	157.5	169.0	0.0	1.0	0.125	50.5	-62.8	21.9	66.5	160.7	160.7	0.0	1.0	0.261	51.3	-58.5	11.8	59.8	168			
167.7	165.0	175.9	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167.7	167.7	0.0	1.0	0.364	52.0	-55.0	3.9	55.2	175			
176.7	172.5	182.7	0.0	1.0	0.375	52.0	-54.5	3.1	54.6	176.7	176.7	0.0	1.0	0.43	52.5	-52.2	-2.0	52.3	182			
189.3	180.0	189.6	0.0	1.0	0.5	52.9	-48.6	-8.0	49.3	189.3	189.3	0.0	1.0	0.502	53.0	-48.5	-8.1	49.3	189			
203.2	187.5	196.4	0.0	1.0	0.625	54.0	-42.3	-18.1	46.1	203.2	203.2	0.0	1.0	0.56	53.5	-45.9	-13.1	47.8	195			
217.2	195.0	203.2	0.0	1.0	0.75	55.0	-36.0	-27.4	45.3	217.2	217.2	0.0	1.0	0.626	54.1	-42.3	-18.1	46.1	203			
228.3	202.5	210.1	0.0	1.0	0.875	55.8	-30.7	-34.5	46.2	228.3	228.3	0.0	1.0	0.682	54.5	-39.6	-22.6	45.7	209			
238.4	210.0	216.9	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	238.4	238.4	0.0	1.0	0.747	55.0	-36.1	-27.2	45.3	216			
242.9	217.5	223.8	0.0	0.875	1.0	54.1	-21.1	-41.3	46.4	242.9	242.9	0.0	1.0	0.819	55.5	-33.2	-31.3	45.8	223			
249.3	225.0	230.6	0.0	0.75	1.0	50.4	-15.5	-41.1	43.9	249.3	249.3	0.0	1.0	0.904	56.1	-29.6	-36.1	46.8	230			
256.9	232.5	237.5	0.0	0.625	1.0	46.5	-9.4	-40.8	41.9	256.9	256.9	0.0	1.0	0.983	56.7	-26.2	-40.5	48.4	237			
268.2	240.0	244.3	0.0	0.5	1.0	41.7	-1.2	-40.6	40.6	268.2	268.2	0.0	0.847	1.0	53.3	-19.8	-41.3	45.9	244			
278.6	247.5	251.2	0.0	0.375	1.0	37.3	6.1	-40.2	40.7	278.6	278.6	0.0	0.726	1.0	49.7	-14.3	-41.1	43.6	250			
289.6	255.0	258.0	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289.6	289.6	0.0	0.613	1.0	46.1	-8.6	-40.8	41.9	258			
299.0	262.5	264.8	0.0	0.125	1.0	28.6	22.4	-40.2	46.1	299.0	299.0	0.0	0.542	1.0	43.4	-3.9	-40.8	41.1	264			
306.2	270.0	271.7	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2	306.2	0.0	0.458	1.0	40.3	1.2	-40.6	40.7	271			
314.7	277.5	278.8	0.125	0.0	1.0	27.9	36.0	-36.4	51.2	314.7	314.7	0.0	0.378	1.0	37.5	5.9	-40.2	40.7	278			
322.1	285.0	285.9	0.25	0.0	1.0	28.8	41.9	-32.5	53.1	322.1	322.1	0.0	0.292	1.0	34.4	11.6	-40.3	42.0	285			
333.3	292.5	293.0	0.375	0.0	1.0	32.7	51.8	-26.0	58.0	333.3	333.3	0.0	0.211	1.0	31.5	16.8	-40.3	43.8	292			
340.5	300.0	300.1	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340.5	340.5	0.0	0.106	1.0	28.1	23.5	-40.3	46.7	300			
347.9	307.5	307.2	0.625	0.0	1.0	38.1	65.4	-14.0	66.9	347.9	347.9	0.009	0.0	1.0	25.3	30.1	-40.1	50.2	306			
352.5	315.0	314.3	0.75	0.0	1.0	41.8	71.0	-9.2	71.6	352.5	352.5	0.012	0.0	1.0	27.8	35.8	-36.5	51.2	314			
356.1	322.5	321.4	0.875	0.0	1.0	44.2	75.2	-5.0	75.3	356.1	356.1	0.0231	0.0	1.0	28.7	41.1	-33.2	52.9	321			
359.8	330.0	328.6	1.0	0.0	1.0	46.1	79.3	-0.2	79.3	359.8	359.8	0.0322	0.0	1.0	31.1	47.8	-29.1	56.0	328			
363.0	337.5	335.7	1.0	0.0	0.875	45.9	78.2	4.1	78.3	363.0	363.0	0.0408	0.0	1.0	33.5	53.7	-24.7	59.1	335			
366.4	345.0	342.8	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366.4	366.4	0.0539	0.0	1.0	36.4	60.8	-18.7	63.7	342			
371.1	352.5	349.9	1.0	0.0	0.625	46.0	75.6	14.8	77.0	371.1	371.1	0.0667	0.0	1.0	39.3	67.4	-12.4	68.5	349			
375.9	360.0	357.0	1.0	0.0	0.5	45.9	74.2	21.1	77.1	375.9	375.9	0.0736	0.0	1.0	41.4	70.5	-9.7	71.1	352			
381.2	367.5	364.1	1.0	0.0	0.375	45.8	72.9	28.3	78.3	381.2	381.2	0.081	0.0	1.0	46.1	79.3	-0.1	79.3	359			
385.6	375.0	371.2	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385.6	385.6	0.091	0.0	1.0	46.0	76.5	11.8	77.4	368			
389.3	382.5	378.3	1.0	0.0	0.125	45.5	71.4	40.1	81.9	389.3	389.3	0.1	0.0	0.485	45.9	74.1	22.0	77.3	376			
392.3	390.0	385.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	392.3	392.3	1.0	0.0	0.255	45.7	72.2	34.4	80.0	385			

1-113831-L0

QE080-73

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 QE08; hue code: $H^*_e=R25Y_e$
48 step hue circles; $rgb-LabCh^*$ tables

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

TUB registration: 20130201-QE08/QE08L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours RYGBM_d: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBM_e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi} (x=LabCh)$	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi} (x=LabCh)$	R_s	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dex361Mi} (x=LabCh)$	R_e	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
32	30	25	1.0 0.0 0.0	45.4 70.9 44.8 83.9 32	1.0	1.0 0.0 0.096 45.5 71.4 41.2 82.4 30	1.0	1.0 0.0 0.0	1.0 0.0 0.255 45.7 72.2 34.4 80.0 25	1.0	1.0 0.0 0.0	1.0				
33	31	26	1.0 0.016 0.0	45.9 69.8 45.5 83.4 33	1.0	1.0 0.0 0.055 45.5 71.2 42.8 83.1 31	1.0	1.0 0.017 0.0	1.0 0.0 0.218 45.6 72.0 36.1 80.6 26	1.0	1.0 0.017 0.0					
33	32	27	1.0 0.033 0.0	46.3 68.8 46.1 82.8 33	1.0	1.0 0.0 0.013 45.5 71.0 44.4 83.7 32	1.0	1.0 0.033 0.0	1.0 0.0 0.18 45.6 71.8 37.7 81.1 27	1.0	1.0 0.033 0.0					
34	33	28	1.0 0.05 0.0	46.8 67.7 46.8 82.3 34	1.0	1.0 0.015 0.0 45.9 70.0 45.5 83.5 33	1.0	1.0 0.05 0.0	1.0 0.0 0.142 45.6 71.6 39.4 81.7 28	1.0	1.0 0.05 0.0					
35	34	29	1.0 0.066 0.0	47.3 66.6 47.4 81.8 35	1.0	1.0 0.036 0.0 46.5 68.6 46.3 82.8 34	1.0	1.0 0.067 0.0	1.0 0.0 0.099 45.5 71.4 41.1 82.4 29	1.0	1.0 0.067 0.0					
36	35	31	1.0 0.083 0.0	47.7 65.5 48.0 81.2 36	1.0	1.0 0.057 0.0 47.1 67.3 47.1 82.1 35	1.0	1.0 0.083 0.0	1.0 0.0 0.053 45.5 71.2 42.9 83.1 31	1.0	1.0 0.083 0.0					
36	36	32	1.0 0.1 0.0	48.2 64.4 48.5 80.7 36	1.0	1.0 0.079 0.0 47.6 65.9 47.9 81.4 36	1.0	1.0 0.1 0.0	1.0 0.0 0.006 45.5 71.0 44.6 83.8 32	1.0	1.0 0.1 0.0					
37	37	33	1.0 0.116 0.0	48.6 63.3 49.1 80.2 37	1.0	1.0 0.1 0.0 48.2 64.5 48.6 80.7 37	1.0	1.0 0.117 0.0	1.0 0.021 0.0 46.0 69.6 45.7 83.3 33	1.0	1.0 0.117 0.0					
38	38	34	1.0 0.133 0.0	49.2 62.1 49.8 79.6 38	1.0	1.0 0.121 0.0 48.8 63.1 49.3 80.1 38	1.0	1.0 0.133 0.0	1.0 0.044 0.0 46.7 68.1 46.6 82.5 34	1.0	1.0 0.133 0.0					
39	39	35	1.0 0.15 0.0	49.8 60.7 50.7 79.1 39	1.0	1.0 0.137 0.0 49.4 61.8 50.1 79.6 39	1.0	1.0 0.15 0.0	1.0 0.068 0.0 47.4 66.6 47.5 81.8 35	1.0	1.0 0.15 0.0					
41	40	36	1.0 0.166 0.0	50.5 59.2 51.6 78.6 41	1.0	1.0 0.151 0.0 49.9 60.6 50.9 79.1 40	1.0	1.0 0.167 0.0	1.0 0.092 0.0 48.0 65.0 48.3 81.0 36	1.0	1.0 0.167 0.0					
42	41	37	1.0 0.183 0.0	51.1 57.8 52.5 78.1 42	1.0	1.0 0.166 0.0 50.5 59.4 51.6 78.7 41	1.0	1.0 0.183 0.0	1.0 0.116 0.0 48.7 63.5 49.1 80.2 37	1.0	1.0 0.183 0.0					
43	42	38	1.0 0.2 0.0	51.7 56.3 53.3 77.5 43	1.0	1.0 0.18 0.0 51.0 58.1 52.3 78.2 42	1.0	1.0 0.2 0.0	1.0 0.135 0.0 49.3 62.0 49.9 79.6 38	1.0	1.0 0.2 0.0					
44	43	39	1.0 0.216 0.0	52.4 54.9 54.0 77.0 44	1.0	1.0 0.194 0.0 51.6 56.9 53.0 77.8 43	1.0	1.0 0.217 0.0	1.0 0.151 0.0 49.9 60.7 50.8 79.1 39	1.0	1.0 0.217 0.0					
45	44	41	1.0 0.233 0.0	53.0 53.4 54.8 76.5 45	1.0	1.0 0.209 0.0 52.1 55.6 53.7 77.3 44	1.0	1.0 0.233 0.0	1.0 0.167 0.0 50.5 59.3 51.7 78.6 41	1.0	1.0 0.233 0.0					
46	45	42	1.0 0.25 0.0	53.6 51.9 55.5 76.0 46	1.0	1.0 0.223 0.0 52.7 54.4 54.4 76.9 45	1.0	1.0 0.25 0.0	1.0 0.183 0.0 51.1 57.9 52.5 78.1 42	1.0	1.0 0.25 0.0					
48	46	43	1.0 0.266 0.0	54.4 50.4 56.5 75.7 48	1.0	1.0 0.237 0.0 53.2 53.1 55.0 76.4 46	1.0	1.0 0.267 0.0	1.0 0.198 0.0 51.7 56.5 53.2 77.6 43	1.0	1.0 0.267 0.0					
49	47	44	1.0 0.283 0.0	55.1 48.9 57.4 75.4 49	1.0	1.0 0.251 0.0 53.7 51.8 55.6 76.0 47	1.0	1.0 0.283 0.0	1.0 0.214 0.0 52.3 55.1 54.0 77.1 44	1.0	1.0 0.283 0.0					
50	48	45	1.0 0.3 0.0	55.8 47.4 58.4 75.2 50	1.0	1.0 0.264 0.0 54.3 50.7 56.3 75.8 48	1.0	1.0 0.3 0.0	1.0 0.23 0.0 52.9 53.7 54.7 76.6 45	1.0	1.0 0.3 0.0					
52	49	46	1.0 0.316 0.0	56.6 45.8 59.2 74.9 52	1.0	1.0 0.276 0.0 54.8 49.6 57.1 75.6 49	1.0	1.0 0.317 0.0	1.0 0.246 0.0 53.5 52.3 55.4 76.1 46	1.0	1.0 0.317 0.0					
53	50	47	1.0 0.333 0.0	57.3 44.2 60.1 74.6 53	1.0	1.0 0.288 0.0 55.4 48.5 57.8 75.4 50	1.0	1.0 0.333 0.0	1.0 0.261 0.0 54.2 51.0 56.2 75.9 47	1.0	1.0 0.333 0.0					
54	51	48	1.0 0.35 0.0	58.0 42.7 60.9 74.4 54	1.0	1.0 0.301 0.0 55.9 47.3 58.5 75.2 51	1.0	1.0 0.35 0.0	1.0 0.274 0.0 54.8 49.8 57.0 75.6 48	1.0	1.0 0.35 0.0					
56	52	49	1.0 0.366 0.0	58.8 41.1 61.7 74.1 56	1.0	1.0 0.313 0.0 56.5 46.2 59.1 75.0 52	1.0	1.0 0.367 0.0	1.0 0.288 0.0 55.4 48.5 57.8 75.4 49	1.0	1.0 0.367 0.0					
57	53	51	1.0 0.383 0.0	59.5 39.5 62.5 74.0 57	1.0	1.0 0.326 0.0 57.0 45.0 59.8 74.8 53	1.0	1.0 0.383 0.0	1.0 0.302 0.0 56.0 47.2 58.5 75.2 51	1.0	1.0 0.383 0.0					
59	54	52	1.0 0.4 0.0	60.3 38.1 63.5 74.1 59	1.0	1.0 0.338 0.0 57.6 43.9 60.4 74.6 54	1.0	1.0 0.4 0.0	1.0 0.316 0.0 56.6 45.9 59.3 75.0 52	1.0	1.0 0.4 0.0					
60	55	53	1.0 0.416 0.0	61.0 36.6 64.5 74.1 60	1.0	1.0 0.35 0.0 58.1 42.7 61.0 74.4 55	1.0	1.0 0.417 0.0	1.0 0.33 0.0 57.2 44.6 60.0 74.8 53	1.0	1.0 0.417 0.0					
61	56	54	1.0 0.433 0.0	61.8 35.1 65.4 74.2 61	1.0	1.0 0.363 0.0 58.6 41.5 61.5 74.2 56	1.0	1.0 0.433 0.0	1.0 0.343 0.0 57.8 43.3 60.6 74.5 54	1.0	1.0 0.433 0.0					
63	57	55	1.0 0.45 0.0	62.6 33.6 66.2 74.3 63	1.0	1.0 0.375 0.0 59.2 40.3 62.1 74.0 57	1.0	1.0 0.45 0.0	1.0 0.357 0.0 58.4 42.0 61.3 74.3 55	1.0	1.0 0.45 0.0					
64	58	56	1.0 0.466 0.0	63.3 32.0 67.1 74.4 64	1.0	1.0 0.387 0.0 59.8 39.3 62.8 74.1 58	1.0	1.0 0.467 0.0	1.0 0.371 0.0 59.0 40.7 61.9 74.1 56	1.0	1.0 0.467 0.0					
65	59	57	1.0 0.483 0.0	64.1 30.5 67.9 74.4 65	1.0	1.0 0.4 0.0 60.3 38.2 63.5 74.1 59	1.0	1.0 0.483 0.0	1.0 0.385 0.0 59.6 39.5 62.7 74.1 57	1.0	1.0 0.483 0.0					
67	60	58	1.0 0.5 0.0	64.9 28.9 68.6 74.5 67	1.0	1.0 0.412 0.0 60.9 37.1 64.2 74.2 60	1.0	1.0 0.5 0.0	1.0 0.398 0.0 60.3 38.3 63.5 74.1 58	1.0	1.0 0.5 0.0					
68	61	60	1.0 0.516 0.0	65.8 27.2 69.9 75.0 68	1.0	1.0 0.424 0.0 61.4 36.0 64.9 74.2 61	1.0	1.0 0.517 0.0	1.0 0.412 0.0 60.9 37.1 64.2 74.2 60	1.0	1.0 0.517 0.0					
70	62	61	1.0 0.533 0.0	66.8 25.5 71.1 75.6 70	1.0	1.0 0.436 0.0 62.0 34.9 65.6 74.3 62	1.0	1.0 0.533 0.0	1.0 0.426 0.0 61.5 35.8 65.0 74.2 61	1.0	1.0 0.533 0.0					
71	63	62	1.0 0.55 0.0	67.7 23.8 72.3 76.1 71	1.0	1.0 0.449 0.0 62.6 33.7 66.2 74.3 63	1.0	1.0 0.55 0.0	1.0 0.439 0.0 62.1 34.6 65.7 74.3 62	1.0	1.0 0.55 0.0					
73	64	63	1.0 0.566 0.0	68.7 22.0 73.5 76.7 73	1.0	1.0 0.461 0.0 63.1 32.6 66.9 74.4 64	1.0	1.0 0.567 0.0	1.0 0.453 0.0 62.8 33.3 66.4 74.3 63	1.0	1.0 0.567 0.0					
74	65	64	1.0 0.583 0.0	69.7 20.2 74.6 77.3 74	1.0	1.0 0.473 0.0 63.7 31.5 67.5 74.4 65	1.0	1.0 0.583 0.0	1.0 0.467 0.0 63.4 32.1 67.1 74.4 64	1.0	1.0 0.583 0.0					
76	66	65	1.0 0.6 0.0	70.6 18.3 75.6 77.8 76	1.0	1.0 0.486 0.0 64.2 30.3 68.0 74.5 66	1.0	1.0 0.6 0.0	1.0 0.48 0.0 64.0 30.8 67.8 74.5 65	1.0	1.0 0.6 0.0					
77	67	66	1.0 0.616 0.0	71.6 16.4 76.6 78.4 77	1.0	1.0 0.498 0.0 64.8 29.1 68.6 74.5 67	1.0	1.0 0.617 0.0	1.0 0.494 0.0 64.6 29.5 68.4 74.5 66	1.0	1.0 0.617 0.0					
79	68	67	1.0 0.633 0.0	72.5 14.8 77.6 79.0 79	1.0	1.0 0.509 0.0 65.4 28.0 69.4 74.8 68	1.0	1.0 0.633 0.0	1.0 0.507 0.0 65.3 28.2 69.2 74.8 67	1.0	1.0 0.633 0.0					
80	69	68	1.0 0.65 0.0	73.2 13.6 78.5 79.7 80	1.0	1.0 0.52 0.0 66.1 26.9 70.2 75.2 69	1.0	1.0 0.65 0.0	1.0 0.519 0.0 66.0 27.0 70.1 75.2 68	1.0	1.0 0.65 0.0					
81	70	70	1.0 0.666 0.0	74.0 12.3 79.5 80.4 81	1.0	1.0 0.531 0.0 66.7 25.8 71.0 75.6 70	1.0	1.0 0.667 0.0	1.0 0.531 0.0 66.7 25.8 71.0 75.6 70	1.0	1.0 0.667 0.0					
82	71	71	1.0 0.683 0.0	74.8 11.0 80.4 81.1 82	1.0	1.0 0.542 0.0 67.3 24.7 71.8 75.9 71	1.0	1.0 0.683 0.0	1.0 0.543 0.0 67.4 24.6 71.9 76.0 71	1.0	1.0 0.683 0.0					
83	72	72	1.0 0.7 0.0	75.6 9.6 81.3 81.9 83	1.0	1.0 0.553 0.0 67.9 23.6 72.6 76.3 72	1.0	1.0 0.7 0.0	1.0 0.555 0.0 68.1 23.3 72.8 76.4 72	1.0	1.0 0.7 0.0					
84	73	73	1.0 0.716 0.0	76.3 8.3 82.2 82.6 84	1.0	1.0 0.564 0.0 68.6 22.4 73.3 76.6 73	1.0	1.0 0.717 0.0	1.0 0.568 0.0 68.8 22.0 73.6 76.8 73	1.0	1.0 0.717 0.0					
85	74	74	1.0 0.733 0.0	77.1 6.9 83.0 83.3 85	1.0	1.0 0.574 0.0 69.2 21.2 74.0 77.0 74	1.0	1.0 0.733 0.0	1.0 0.58 0.0 69.5 20.6 74.4 77.2 74	1.0	1.0 0.733 0.0					
86	75	75	1.0 0.75 0.0	77.9 5.4 83.8 84.0 86	1.0	1.0 0.585 0.0 69.8 20.0 74.7 77.4 75	1.0	1.0 0.75 0.0	1.0 0.592 0.0 70.2 19.3 75.2 77.6 75	1.0	1.0 0.75 0.0					

1-113931-L0

QE080-73

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 QE08; hue code: $H^*_e=R25Y_e$
48 step hue circles; $rgb-LabCh$ *tables

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

1-113931-F0

see similar files: <http://130.149.60.45/~farbmetrik/QE08/QE08L0FA.TXT> /PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE08/QE08L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours RYGBM_d: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBM_e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

ab	d	h _{ab,s}	h _{ab,e}	rgb* dd361M	LAB* d361Mi (x=LabCh)	rgb* ds361Mi	LAB* ds361Mi (x=LabCh)	rgb* dd361Mi	rgb* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	rgb* dd	rgb* ds	rgb* de
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	

1-1131031-L0 QE080-73 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 QE08; hue code: $H^*_e=R25Y_e$
48 step hue circles; $rgb-LabCh^*$ tables

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

TUB registration: 20130201-QE08/QE08L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours RYGBM_d: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBM_e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$			$h_{ab,s}$			$h_{ab,e}$			rgb^*_{dd361M}			$LAB^*_{ddx361Mi}(x=LabCh)$			$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}(x=LabCh)$			$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}(x=LabCh)$			$rgb^*_{dd361Mi}$			rgb^*_{dd}			rgb^*_{ds}			rgb^*_{de}		
114	120	127	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114	0.399	1.0	0.0	66.7	-34.5	59.9	69.2	120	0.5	1.0	0.0	0.322	1.0	0.0	62.6	-40.8	53.8	67.6	127	0.5	1.0	0.0									
115	121	128	0.483	1.0	0.0	69.9	-30.5	65.4	72.2	115	0.382	1.0	0.0	66.0	-35.2	58.8	68.6	121	0.483	1.0	0.0	0.312	1.0	0.0	62.0	-41.8	52.9	67.5	128	0.483	1.0	0.0									
116	122	129	0.466	1.0	0.0	69.3	-31.4	64.3	71.6	116	0.37	1.0	0.0	65.4	-36.1	57.9	68.3	122	0.467	1.0	0.0	0.301	1.0	0.0	61.4	-42.8	51.9	67.3	129	0.467	1.0	0.0									
117	123	130	0.45	1.0	0.0	68.6	-32.2	63.2	71.0	117	0.361	1.0	0.0	64.9	-37.0	57.1	68.1	123	0.45	1.0	0.0	0.291	1.0	0.0	60.8	-43.8	50.9	67.2	130	0.45	1.0	0.0									
117	124	131	0.433	1.0	0.0	68.0	-33.0	62.1	70.4	117	0.352	1.0	0.0	64.4	-37.9	56.4	68.0	124	0.433	1.0	0.0	0.28	1.0	0.0	60.2	-44.7	49.9	67.0	131	0.433	1.0	0.0									
118	125	133	0.416	1.0	0.0	67.3	-33.8	61.0	69.8	118	0.343	1.0	0.0	63.8	-38.8	55.6	67.9	125	0.417	1.0	0.0	0.27	1.0	0.0	59.6	-45.6	48.9	66.9	133	0.417	1.0	0.0									
119	126	134	0.4	1.0	0.0	66.7	-34.5	59.9	69.2	119	0.334	1.0	0.0	63.3	-39.7	54.8	67.8	126	0.4	1.0	0.0	0.259	1.0	0.0	59.0	-46.5	47.8	66.8	134	0.4	1.0	0.0									
120	127	135	0.383	1.0	0.0	66.0	-35.2	58.8	68.6	120	0.325	1.0	0.0	62.8	-40.6	54.0	67.6	127	0.383	1.0	0.0	0.249	1.0	0.0	58.4	-47.4	46.8	66.6	135	0.383	1.0	0.0									
122	128	136	0.366	1.0	0.0	65.2	-36.4	57.6	68.2	122	0.316	1.0	0.0	62.3	-41.5	53.2	67.5	128	0.367	1.0	0.0	0.233	1.0	0.0	57.9	-48.3	45.8	66.6	136	0.367	1.0	0.0									
124	129	137	0.35	1.0	0.0	64.2	-38.2	56.2	67.9	124	0.307	1.0	0.0	61.7	-42.3	52.4	67.4	129	0.35	1.0	0.0	0.217	1.0	0.0	57.4	-49.2	44.7	66.6	137	0.35	1.0	0.0									
126	130	138	0.333	1.0	0.0	63.2	-39.8	54.7	67.7	126	0.298	1.0	0.0	61.2	-43.1	51.5	67.3	130	0.333	1.0	0.0	0.201	1.0	0.0	57.0	-50.0	43.7	66.5	138	0.333	1.0	0.0									
127	131	140	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127	0.289	1.0	0.0	60.7	-44.0	50.7	67.2	131	0.317	1.0	0.0	0.185	1.0	0.0	56.5	-50.9	42.7	66.5	140	0.317	1.0	0.0									
129	132	141	0.3	1.0	0.0	61.3	-43.0	51.7	67.3	129	0.28	1.0	0.0	60.2	-44.8	49.8	67.0	132	0.3	1.0	0.0	0.169	1.0	0.0	56.0	-51.7	41.6	66.5	141	0.3	1.0	0.0									
131	133	142	0.283	1.0	0.0	60.3	-44.5	50.1	67.0	131	0.271	1.0	0.0	59.6	-45.5	48.9	66.9	133	0.283	1.0	0.0	0.153	1.0	0.0	55.5	-52.5	40.5	66.4	142	0.283	1.0	0.0									
133	134	143	0.266	1.0	0.0	59.3	-45.9	48.5	66.8	133	0.262	1.0	0.0	59.1	-46.3	48.0	66.8	134	0.267	1.0	0.0	0.137	1.0	0.0	55.1	-53.3	39.4	66.4	143	0.267	1.0	0.0									
135	135	144	0.25	1.0	0.0	58.4	-47.3	46.8	66.6	135	0.253	1.0	0.0	58.6	-47.0	47.1	66.7	135	0.25	1.0	0.0	0.122	1.0	0.0	54.6	-54.2	38.4	66.5	144	0.25	1.0	0.0									
136	136	145	0.233	1.0	0.0	57.9	-48.3	45.8	66.5	136	0.241	1.0	0.0	58.1	-47.8	46.3	66.6	136	0.233	1.0	0.0	0.108	1.0	0.0	54.1	-55.4	37.6	67.0	145	0.233	1.0	0.0									
137	137	147	0.216	1.0	0.0	57.4	-49.2	44.7	66.5	137	0.227	1.0	0.0	57.7	-48.6	45.4	66.6	137	0.217	1.0	0.0	0.095	1.0	0.0	53.6	-56.6	36.7	67.6	147	0.217	1.0	0.0									
138	138	148	0.2	1.0	0.0	56.9	-50.1	43.6	66.5	138	0.213	1.0	0.0	57.3	-49.4	44.5	66.6	138	0.2	1.0	0.0	0.082	1.0	0.0	53.1	-57.8	35.8	68.1	148	0.2	1.0	0.0									
140	139	149	0.183	1.0	0.0	56.4	-51.0	42.5	66.4	140	0.2	1.0	0.0	56.9	-50.1	43.6	66.5	139	0.183	1.0	0.0	0.069	1.0	0.0	52.6	-59.0	34.9	68.6	149	0.183	1.0	0.0									
141	140	150	0.166	1.0	0.0	55.9	-51.9	41.4	66.4	141	0.186	1.0	0.0	56.5	-50.8	42.7	66.5	140	0.167	1.0	0.0	0.056	1.0	0.0	52.1	-60.1	34.0	69.2	150	0.167	1.0	0.0									
142	141	151	0.15	1.0	0.0	55.4	-52.7	40.3	66.4	142	0.172	1.0	0.0	56.1	-51.6	41.8	66.5	141	0.15	1.0	0.0	0.043	1.0	0.0	51.7	-61.3	33.0	69.7	151	0.15	1.0	0.0									
143	142	152	0.133	1.0	0.0	54.9	-53.5	39.1	66.3	143	0.159	1.0	0.0	55.7	-52.3	40.9	66.4	142	0.133	1.0	0.0	0.03	1.0	0.0	51.2	-62.4	32.0	70.2	152	0.133	1.0	0.0									
145	143	154	0.116	1.0	0.0	54.4	-54.7	38.0	66.6	145	0.145	1.0	0.0	55.3	-52.9	40.0	66.4	143	0.117	1.0	0.0	0.016	1.0	0.0	50.7	-63.5	30.9	70.8	154	0.117	1.0	0.0									
146	144	155	0.1	1.0	0.0	53.7	-56.2	37.0	67.3	146	0.131	1.0	0.0	54.9	-53.6	39.0	66.4	144	0.1	1.0	0.0	0.003	1.0	0.0	50.2	-64.6	29.9	71.3	155	0.1	1.0	0.0									
148	145	156	0.083	1.0	0.0	53.1	-57.7	35.9	68.0	148	0.119	1.0	0.0	54.5	-54.5	38.2	66.6	145	0.083	1.0	0.0	0.0	1.0	0.021	50.1	-64.6	28.3	70.6	156	0.083	1.0	0.0									
149	146	157	0.066	1.0	0.0	52.5	-59.2	34.7	68.7	149	0.107	1.0	0.0	54.1	-55.5	37.5	67.1	146	0.067	1.0	0.0	0.0	1.0	0.049	50.3	-64.2	26.5	69.5	157	0.067	1.0	0.0									
151	147	158	0.049	1.0	0.0	51.9	-60.7	33.5	69.4	151	0.096	1.0	0.0	53.7	-56.5	36.8	67.5	147	0.05	1.0	0.0	0.0	1.0	0.077	50.4	-63.7	24.8	68.4	158	0.05	1.0	0.0									
152	148	159	0.033	1.0	0.0	51.3	-62.2	32.2	70.0	152	0.085	1.0	0.0	53.2	-57.6	36.0	68.0	148	0.033	1.0	0.0	0.0	1.0	0.104	50.5	-63.1	23.1	67.3	159	0.033	1.0	0.0									
154	149	161	0.016	1.0	0.0	50.6	-63.6	30.9	70.7	154	0.074	1.0	0.0	52.8	-58.6	35.3	68.4	149	0.017	1.0	0.0	0.0	1.0	0.13	50.6	-62.6	21.5	66.3	161	0.017	1.0	0.0									
155	150	162	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	155	G_d 0.062	1.0	0.0	52.4	-59.6	34.5	68.9	150	G_s 0.0	1.0	0.0	0.0	1.0	0.151	50.7	-62.0	19.9	65.2	162	G_e 0.0	1.0	0.0									
156	151	163	0.0	1.0	0.016	50.1	-64.7	28.5	70.7	156	0.051	1.0	0.0	52.0	-60.6	33.6	69.4	151	0.0	1.0	0.017	0.0	1.0	0.167	50.8	-61.6	18.7	64.4	163	0.0	1.0	0.017									

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours RYGBM_d: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBM_e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dsx361Mi}$ (x=LabCh)	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
167	165	175	0.0	1.0	0.25	51.2	-58.9 12.7	60.3	167	0.0	1.0	0.25	51.2	-58.9 12.7
168	166	176	0.0	1.0	0.266	51.3	-58.4 11.3	59.5	168	0.0	1.0	0.267	51.3	-58.4 11.3
170	167	177	0.0	1.0	0.283	51.4	-57.9 10.0	58.8	170	0.0	1.0	0.283	51.4	-57.9 10.0
171	168	178	0.0	1.0	0.3	51.5	-57.3 8.7	58.0	171	0.0	1.0	0.3	51.5	-57.3 8.7
172	169	179	0.0	1.0	0.316	51.6	-56.8 7.4	57.3	172	0.0	1.0	0.317	51.6	-56.8 7.4
173	170	180	0.0	1.0	0.333	51.7	-56.2 6.1	56.5	173	0.0	1.0	0.333	51.7	-56.2 6.1
174	171	181	0.0	1.0	0.35	51.8	-55.5 4.9	55.8	174	0.0	1.0	0.35	51.8	-55.5 4.9
176	172	182	0.0	1.0	0.366	51.9	-54.9 3.7	55.0	176	0.0	1.0	0.367	51.9	-54.9 3.7
177	173	183	0.0	1.0	0.383	52.0	-54.2 2.3	54.3	177	0.0	1.0	0.383	52.0	-54.2 2.3
179	174	184	0.0	1.0	0.4	52.2	-53.6 0.7	53.6	179	0.0	1.0	0.4	52.2	-53.6 0.7
180	175	185	0.0	1.0	0.416	52.3	-52.8 -0.8	52.9	180	0.0	1.0	0.417	52.3	-52.8 -0.8
182	176	185	0.0	1.0	0.433	52.4	-52.1 -2.3	52.1	182	0.0	1.0	0.433	52.4	-52.1 -2.3
184	177	186	0.0	1.0	0.45	52.6	-51.3 -3.8	51.4	184	0.0	1.0	0.45	52.6	-51.3 -3.8
185	178	187	0.0	1.0	0.466	52.7	-50.4 -5.3	50.7	185	0.0	1.0	0.467	52.7	-50.4 -5.3
187	179	188	0.0	1.0	0.483	52.8	-49.6 -6.6	50.0	187	0.0	1.0	0.483	52.8	-49.6 -6.6
189	180	189	0.0	1.0	0.5	52.9	-48.6 -8.0	49.3	189	0.0	1.0	0.5	52.9	-48.6 -8.0
191	181	190	0.0	1.0	0.516	53.1	-47.9 -9.5	48.9	191	0.0	1.0	0.517	53.1	-47.9 -9.5
193	182	191	0.0	1.0	0.533	53.2	-47.2 -10.9	48.4	193	0.0	1.0	0.533	53.2	-47.2 -10.9
194	183	192	0.0	1.0	0.55	53.4	-46.4 -12.3	48.0	194	0.0	1.0	0.55	53.4	-46.4 -12.3
196	184	193	0.0	1.0	0.566	53.5	-45.6 -13.7	47.6	196	0.0	1.0	0.567	53.5	-45.6 -13.7
198	185	194	0.0	1.0	0.583	53.6	-44.7 -15.0	47.1	198	0.0	1.0	0.583	53.6	-44.7 -15.0
200	186	195	0.0	1.0	0.6	53.8	-43.8 -16.3	46.7	200	0.0	1.0	0.6	53.8	-43.8 -16.3
202	187	195	0.0	1.0	0.616	53.9	-42.8 -17.5	46.3	202	0.0	1.0	0.617	53.9	-42.8 -17.5
204	188	196	0.0	1.0	0.633	54.1	-42.0 -18.8	46.0	204	0.0	1.0	0.633	54.1	-42.0 -18.8
206	189	197	0.0	1.0	0.65	54.2	-41.2 -20.1	45.9	206	0.0	1.0	0.65	54.2	-41.2 -20.1
207	190	198	0.0	1.0	0.666	54.3	-40.5 -21.4	45.8	207	0.0	1.0	0.667	54.3	-40.5 -21.4
209	191	199	0.0	1.0	0.683	54.5	-39.7 -22.7	45.7	209	0.0	1.0	0.683	54.5	-39.7 -22.7
211	192	200	0.0	1.0	0.7	54.6	-38.8 -23.9	45.6	211	0.0	1.0	0.7	54.6	-38.8 -23.9
213	193	201	0.0	1.0	0.716	54.7	-37.9 -25.1	45.5	213	0.0	1.0	0.717	54.7	-37.9 -25.1
215	194	202	0.0	1.0	0.733	54.9	-37.0 -26.3	45.4	215	0.0	1.0	0.733	54.9	-37.0 -26.3
217	195	203	0.0	1.0	0.75	55.0	-36.0 -27.4	45.3	217	0.0	1.0	0.75	55.0	-36.0 -27.4
218	196	204	0.0	1.0	0.766	55.1	-35.4 -28.4	45.4	218	0.0	1.0	0.767	55.1	-35.4 -28.4
220	197	205	0.0	1.0	0.783	55.2	-34.7 -29.4	45.5	220	0.0	1.0	0.783	55.2	-34.7 -29.4
221	198	206	0.0	1.0	0.8	55.3	-34.0 -30.3	45.6	221	0.0	1.0	0.8	55.3	-34.0 -30.3
223	199	206	0.0	1.0	0.816	55.4	-33.3 -31.3	45.7	223	0.0	1.0	0.817	55.4	-33.3 -31.3
224	200	207	0.0	1.0	0.833	55.6	-32.6 -32.2	45.9	224	0.0	1.0	0.833	55.6	-32.6 -32.2
226	201	208	0.0	1.0	0.85	55.7	-31.8 -33.1	46.0	226	0.0	1.0	0.85	55.7	-31.8 -33.1
227	202	209	0.0	1.0	0.866	55.8	-31.1 -34.0	46.1	227	0.0	1.0	0.867	55.8	-31.1 -34.0
229	203	210	0.0	1.0	0.883	55.9	-30.4 -35.0	46.3	229	0.0	1.0	0.883	55.9	-30.4 -35.0
230	204	211	0.0	1.0	0.9	56.0	-29.7 -35.9	46.7	230	0.0	1.0	0.9	56.0	-29.7 -35.9
231	205	212	0.0	1.0	0.916	56.1	-29.1 -36.9	47.0	231	0.0	1.0	0.917	56.1	-29.1 -36.9
233	206	213	0.0	1.0	0.933	56.3	-28.4 -37.8	47.3	233	0.0	1.0	0.933	56.3	-28.4 -37.8
234	207	214	0.0	1.0	0.95	56.4	-27.7 -38.8	47.7	234	0.0	1.0	0.95	56.4	-27.7 -38.8
235	208	215	0.0	1.0	0.966	56.5	-27.0 -39.7	48.0	235	0.0	1.0	0.967	56.5	-27.0 -39.7
237	209	216	0.0	1.0	0.983	56.6	-26.2 -40.6	48.3	237	0.0	1.0	0.983	56.6	-26.2 -40.6
238	210	216	0.0	1.0	1.0	56.8	-25.5 -41.5	48.7	238	0.0	1.0	1.0	56.8	-25.5 -41.5

1-1131231-L0 QE080-73 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

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

TUB-test chart QE08; hue code: $H^*_e=R25Y_e$
48 step hue circles; $rgb-LabCh$ *tables

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

TUB registration: 20130201-QE08/QE08L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Lengths of the three colours (x=LabCh)										Lengths of the elementary colours (x=LabCh)										Lengths of the elementary colours (x=LabCh)										Lengths of the elementary colours (x=LabCh)											
h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd361Mi	LAB* ddx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd361Mi	LAB* ddx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd361Mi	LAB* ddx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd361Mi	LAB* ddx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi		
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	C _s	0.0	1.0	1.0	0.0	1.0	0.747	55.0	-36.1	-27.2	45.3	216	C _e	0.0	1.0	1.0							
239	211	217	0.0	0.983	1.0	56.4	-24.9	-41.5	48.4	239	0.0	1.0	0.694	54.6	-39.0	-23.4	45.7	211		0.0	0.983	1.0	0.0	1.0	0.757	55.1	-35.7	-27.8	45.4	217	0.0	0.983	1.0								
239	212	218	0.0	0.966	1.0	56.1	-24.3	-41.5	48.1	239	0.0	1.0	0.703	54.7	-38.6	-24.1	45.6	212		0.0	0.967	1.0	0.0	1.0	0.767	55.2	-35.3	-28.4	45.4	218	0.0	0.967	1.0								
240	213	219	0.0	0.95	1.0	55.7	-23.7	-41.5	47.8	240	0.0	1.0	0.712	54.7	-38.1	-24.7	45.6	213		0.0	0.95	1.0	0.0	1.0	0.778	55.2	-34.9	-29.0	45.5	219	0.0	0.95	1.0								
240	214	220	0.0	0.933	1.0	55.4	-23.1	-41.5	47.5	240	0.0	1.0	0.721	54.8	-37.6	-25.3	45.5	214		0.0	0.933	1.0	0.0	1.0	0.788	55.3	-34.5	-29.6	45.6	220	0.0	0.933	1.0								
241	215	221	0.0	0.916	1.0	55.0	-22.5	-41.4	47.2	241	0.0	1.0	0.73	54.9	-37.1	-26.0	45.4	215		0.0	0.917	1.0	0.0	1.0	0.798	55.4	-34.1	-30.2	45.7	221	0.0	0.917	1.0								
242	216	222	0.0	0.9	1.0	54.6	-22.0	-41.4	46.9	242	0.0	1.0	0.739	55.0	-36.6	-26.6	45.4	216		0.0	0.9	1.0	0.0	1.0	0.808	55.4	-33.6	-30.8	45.7	222	0.0	0.9	1.0								
242	217	223	0.0	0.883	1.0	54.3	-21.4	-41.4	46.6	242	0.0	1.0	0.747	55.0	-36.1	-27.2	45.3	217		0.0	0.883	1.0	0.0	1.0	0.819	55.5	-33.2	-31.3	45.8	223	0.0	0.883	1.0								
243	218	224	0.0	0.866	1.0	53.9	-20.7	-41.3	46.3	243	0.0	1.0	0.758	55.1	-35.6	-27.8	45.4	218		0.0	0.867	1.0	0.0	1.0	0.829	55.6	-32.7	-31.9	45.9	224	0.0	0.867	1.0								
244	219	225	0.0	0.85	1.0	53.4	-20.0	-41.3	45.9	244	0.0	1.0	0.769	55.2	-35.2	-28.5	45.4	219		0.0	0.85	1.0	0.0	1.0	0.839	55.6	-32.3	-32.5	45.9	225	0.0	0.85	1.0								
245	220	226	0.0	0.833	1.0	52.9	-19.2	-41.3	45.6	245	0.0	1.0	0.781	55.3	-34.8	-29.2	45.5	220		0.0	0.833	1.0	0.0	1.0	0.85	55.7	-31.8	-33.1	46.0	226	0.0	0.833	1.0								
245	221	227	0.0	0.816	1.0	52.4	-18.5	-41.3	45.3	245	0.0	1.0	0.792	55.3	-34.3	-29.8	45.6	221		0.0	0.817	1.0	0.0	1.0	0.86	55.8	-31.3	-33.6	46.1	227	0.0	0.817	1.0								
246	222	227	0.0	0.8	1.0	51.9	-17.7	-41.3	44.9	246	0.0	1.0	0.803	55.4	-33.9	-30.5	45.7	222		0.0	0.8	1.0	0.0	1.0	0.87	55.8	-30.8	-34.2	46.2	227	0.0	0.8	1.0								
247	223	228	0.0	0.783	1.0	51.4	-17.0	-41.2	44.6	247	0.0	1.0	0.815	55.5	-33.4	-31.1	45.8	223		0.0	0.783	1.0	0.0	1.0	0.881	55.9	-30.4	-34.8	46.3	228	0.0	0.783	1.0								
248	224	229	0.0	0.766	1.0	50.9	-16.2	-41.2	44.2	248	0.0	1.0	0.826	55.6	-32.9	-31.7	45.8	224		0.0	0.767	1.0	0.0	1.0	0.893	56.0	-30.0	-35.4	46.6	229	0.0	0.767	1.0								
249	225	230	0.0	0.75	1.0	50.4	-15.5	-41.1	43.9	249	0.0	1.0	0.837	55.6	-32.4	-32.4	45.9	225		0.0	0.75	1.0	0.0	1.0	0.904	56.1	-29.6	-36.1	46.8	230	0.0	0.75	1.0								
250	226	231	0.0	0.733	1.0	49.9	-14.7	-41.1	43.6	250	0.0	1.0	0.849	55.7	-31.9	-33.0	46.0	226		0.0	0.733	1.0	0.0	1.0	0.915	56.2	-29.1	-36.7	47.0	231	0.0	0.733	1.0								
251	227	232	0.0	0.716	1.0	49.4	-13.8	-41.1	43.4	251	0.0	1.0	0.86	55.8	-31.3	-33.6	46.1	227		0.0	0.717	1.0	0.0	1.0	0.926	56.3	-28.7	-37.4	47.2	232	0.0	0.717	1.0								
252	228	233	0.0	0.7	1.0	48.8	-13.0	-41.1	43.1	252	0.0	1.0	0.871	55.9	-30.8	-34.2	46.2	228		0.0	0.7	1.0	0.0	1.0	0.938	56.3	-28.2	-38.0	47.5	233	0.0	0.7	1.0								
253	229	234	0.0	0.683	1.0	48.3	-12.2	-41.1	42.9	253	0.0	1.0	0.883	55.9	-30.3	-34.9	46.4	229		0.0	0.683	1.0	0.0	1.0	0.949	56.4	-27.7	-38.6	47.7	234	0.0	0.683	1.0								
254	230	235	0.0	0.666	1.0	47.8	-11.4	-41.0	42.6	254	0.0	1.0	0.896	56.0	-29.9	-35.6	46.6	230		0.0	0.667	1.0	0.0	1.0	0.96	56.5	-27.2	-39.3	47.9	235	0.0	0.667	1.0								
255	231	236	0.0	0.65	1.0	47.3	-10.6	-41.0	42.3	255	0.0	1.0	0.908	56.1	-29.4	-36.3	46.9	231		0.0	0.65	1.0	0.0	1.0	0.972	56.6	-26.7	-39.9	48.2	236	0.0	0.65	1.0								
256	232	237	0.0	0.633	1.0	46.8	-9.8	-40.9	42.1	256	0.0	1.0	0.92	56.2	-28.9	-37.0	47.1	232		0.0	0.633	1.0	0.0	1.0	0.983	56.7	-26.2	-40.5	48.4	237	0.0	0.633	1.0								
257	233	237	0.0	0.616	1.0	46.2	-8.9	-40.9	41.8	257	0.0	1.0	0.933	56.3	-28.4	-37.7	47.4	233		0.0	0.617	1.0	0.0	1.0	0.994	56.8	-25.7	-41.1	48.6	237	0.0	0.617	1.0								
259	234	238	0.0	0.6	1.0	45.5	-7.8	-40.9	41.7	259	0.0	1.0	0.945	56.4	-27.9	-38.4	47.6	234		0.0	0.6	1.0	0.0	1.0	0.988	1.0	56.6	-25.0	-41.4	48.5	238	0.0	0.6	1.0							
260	235	239	0.0	0.583	1.0	44.9	-6.6	-41.0	41.5	260	0.0	1.0	0.957	56.5	-27.4	-39.1	47.9	235		0.0	0.583	1.0	0.0	1.0	0.962	1.0	56.0	-24.1	-41.4	48.1	239	0.0	0.583	1.0							
262	236	240	0.0	0.566	1.0	44.2	-5.5	-40.9	41.3	262	0.0	1.0	0.97	56.6	-26.8	-39.8	48.1	236		0.0	0.567	1.0	0.0	1.0	0.937	1.0	55.5	-23.2	-41.4	47.6	240	0.0	0.567	1.0							
263	237	241	0.0	0.55	1.0	43.6	-4.4	-40.9	41.1	263	0.0	1.0	0.982	56.7	-26.2	-40.5	48.4	237		0.0	0.55	1.0	0.0	1.0	0.911	1.0	54.9	-22.3	-41.4	47.1	241	0.0	0.55	1.0							
265	238	242	0.0	0.533	1.0	43.0	-3.3	-40.8	41.0	265	0.0	1.0	0.994	56.8	-25.7	-41.1	48.6	238		0.0	0.533	1.0	0.0	1.0	0.885	1.0	54.4	-21.4	-41.3	46.7	242	0.0	0.533	1.0							
266	239	243	0.0	0.516	1.0	42.3	-2.3	-40.7	40.8	266	0.0	0.985	1.0	56.5	-24.9	-41.4	48.5	239		0.0	0.517																				

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* _{ddx361Mi} (x=LabCh)				rgb* _{ds361Mi}			LAB* _{dsx361Mi} (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	270	B _s	0.0	0.0	1.0	0.0	0.458	1.0	40.3	1.2	-40.6	40.7	271	B _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	290	290	0.333	0.0	1.0	31.4	48.6	-28.5	56.4	329	0.0	0.245	1.0	32.7	14.6	-40.1	42.8	290	0.333	0.0	1.0	0.0	0.236												

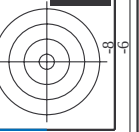
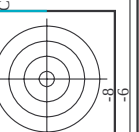
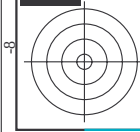
Output: Offset standard print; separation cmy0*, D65, page 16/33

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

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours RYGBM_d: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBM_e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$			$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}		LAB* $_{d361Mi}$ (x=LabCh)				$rgb^*_{ds361Mi}$				LAB* $_{ds361Mi}$ (x=LabCh)				$rgb^*_{dd361Mi}$				$rgb^*_{de361Mi}$				LAB* $_{dex361Mi}$ (x=LabCh)				$rgb^*_{dd361Mi}$				rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
366	345	342	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366	0.576	0.0	1.0	37.1	62.9	-16.7	65.1	345	1.0	0.0	0.75	0.539	0.0	1.0	36.4	60.8	-18.7	63.7	342	1.0	0.0	0.75					
367	346	343	1.0	0.0	0.733	45.9	77.0	9.4	77.5	367	0.593	0.0	1.0	37.5	63.8	-15.8	65.7	346	1.0	0.0	0.733	0.555	0.0	1.0	36.7	61.7	-17.9	64.3	343	1.0	0.0	0.733					
367	347	344	1.0	0.0	0.716	45.9	76.8	10.3	77.5	367	0.61	0.0	1.0	37.8	64.7	-14.8	66.4	347	1.0	0.0	0.717	0.571	0.0	1.0	37.0	62.6	-17.0	64.9	344	1.0	0.0	0.717					
368	348	345	1.0	0.0	0.7	45.9	76.6	11.1	77.4	368	0.627	0.0	1.0	38.2	65.6	-13.8	67.1	348	1.0	0.0	0.7	0.587	0.0	1.0	37.3	63.5	-16.1	65.5	345	1.0	0.0	0.7					
368	349	346	1.0	0.0	0.683	45.9	76.4	11.9	77.3	368	0.654	0.0	1.0	39.0	66.8	-12.9	68.1	349	1.0	0.0	0.683	0.603	0.0	1.0	37.7	64.3	-15.2	66.1	346	1.0	0.0	0.683					
369	350	347	1.0	0.0	0.666	45.9	76.2	12.8	77.2	369	0.681	0.0	1.0	39.8	68.0	-11.9	69.1	350	1.0	0.0	0.667	0.619	0.0	1.0	38.0	65.2	-14.3	66.7	347	1.0	0.0	0.667					
370	351	348	1.0	0.0	0.65	46.0	75.9	13.6	77.2	370	0.708	0.0	1.0	40.6	69.2	-10.9	70.1	351	1.0	0.0	0.65	0.641	0.0	1.0	38.6	66.2	-13.4	67.6	348	1.0	0.0	0.65					
370	352	349	1.0	0.0	0.633	46.0	75.7	14.4	77.1	370	0.735	0.0	1.0	41.4	70.4	-9.8	71.1	352	1.0	0.0	0.633	0.667	0.0	1.0	39.3	67.4	-12.4	68.5	349	1.0	0.0	0.633					
371	353	350	1.0	0.0	0.616	46.0	75.5	15.2	77.1	371	0.765	0.0	1.0	42.1	71.6	-8.7	72.1	353	1.0	0.0	0.617	0.692	0.0	1.0	40.1	68.5	-11.5	69.5	350	1.0	0.0	0.617					
372	354	351	1.0	0.0	0.6	45.9	75.4	16.1	77.1	372	0.8	0.0	1.0	42.8	72.7	-7.5	73.1	354	1.0	0.0	0.6	0.717	0.0	1.0	40.9	69.6	-10.5	70.4	351	1.0	0.0	0.6					
372	355	352	1.0	0.0	0.583	45.9	75.2	16.9	77.1	372	0.835	0.0	1.0	43.5	73.9	-6.4	74.2	355	1.0	0.0	0.583	0.743	0.0	1.0	41.6	70.7	-9.5	71.4	352	1.0	0.0	0.583					
373	356	353	1.0	0.0	0.566	45.9	75.0	17.8	77.1	373	0.87	0.0	1.0	44.2	75.0	-5.1	75.2	356	1.0	0.0	0.567	0.774	0.0	1.0	42.3	71.9	-8.4	72.4	353	1.0	0.0	0.567					
374	357	354	1.0	0.0	0.55	45.9	74.8	18.6	77.1	374	0.904	0.0	1.0	44.7	76.2	-3.9	76.3	357	1.0	0.0	0.55	0.807	0.0	1.0	42.9	73.0	-7.3	73.3	354	1.0	0.0	0.55					
374	358	355	1.0	0.0	0.533	45.9	74.6	19.5	77.1	374	0.938	0.0	1.0	45.2	77.3	-2.6	77.3	358	1.0	0.0	0.533	0.84	0.0	1.0	43.6	74.1	-6.2	74.3	355	1.0	0.0	0.533					
375	359	356	1.0	0.0	0.516	45.9	74.4	20.3	77.1	375	0.971	0.0	1.0	45.7	78.4	-1.3	78.4	359	1.0	0.0	0.517	0.873	0.0	1.0	44.2	75.1	-5.0	75.3	356	1.0	0.0	0.517					
375	360	352	1.0	0.0	0.5	45.9	74.2	21.1	77.1	375	1.0	0.0	0.994	46.1	79.3	0.0	79.3	360	1.0	0.0	0.5	0.736	0.0	1.0	41.4	70.5	-9.7	71.1	352	1.0	0.0	0.5					
376	361	353	1.0	0.0	0.483	45.8	74.1	22.1	77.3	376	1.0	0.0	0.955	46.1	79.0	1.4	79.0	361	1.0	0.0	0.483	0.771	0.0	1.0	42.2	71.8	-8.5	72.3	353	1.0	0.0	0.483					
377	362	354	1.0	0.0	0.466	45.8	73.9	23.1	77.4	377	1.0	0.0	0.916	46.0	78.6	2.7	78.7	362	1.0	0.0	0.467	0.81	0.0	1.0	43.0	73.1	-7.2	73.4	354	1.0	0.0	0.467					
378	363	355	1.0	0.0	0.45	45.8	73.8	24.0	77.6	378	1.0	0.0	0.876	46.0	78.3	4.1	78.4	363	1.0	0.0	0.45	0.849	0.0	1.0	43.8	74.4	-5.9	74.6	355	1.0	0.0	0.45					
378	364	356	1.0	0.0	0.433	45.8	73.6	25.0	77.7	378	1.0	0.0	0.839	46.0	78.0	5.5	78.2	364	1.0	0.0	0.433	0.887	0.0	1.0	44.4	75.6	-4.5	75.8	356	1.0	0.0	0.433					
379	365	357	1.0	0.0	0.416	45.8	73.4	25.9	77.9	379	1.0	0.0	0.802	46.0	77.7	6.8	78.0	365	1.0	0.0	0.417	0.925	0.0	1.0	45.0	76.9	-3.1	77.0	357	1.0	0.0	0.417					
380	366	358	1.0	0.0	0.4	45.8	73.2	26.9	78.0	380	1.0	0.0	0.765	46.0	77.3	8.1	77.8	366	1.0	0.0	0.4	0.963	0.0	1.0	45.6	78.1	-1.6	78.1	358	1.0	0.0	0.4					
380	367	359	1.0	0.0	0.383	45.8	73.0	27.8	78.2	380	1.0	0.0	0.734	46.0	77.0	9.5	77.6	367	1.0	0.0	0.383	1.0	0.0	1.0	46.1	79.3	-0.1	79.3	359	1.0	0.0	0.383					
381	368	360	1.0	0.0	0.366	45.8	72.9	28.7	78.4	381	1.0	0.0	0.708	46.0	76.7	10.8	77.5	368	1.0	0.0	0.367	1.0	0.0	1.0	0.956	46.1	79.0	1.3	79.0	360	1.0	0.0	0.367				
382	369	362	1.0	0.0	0.35	45.8	72.8	29.6	78.6	382	1.0	0.0	0.681	46.0	76.4	12.1	77.4	369	1.0	0.0	0.35	1.0	0.0	1.0	0.912	46.0	78.6	2.9	78.7	362	1.0	0.0	0.35				
382	370	363	1.0	0.0	0.333	45.7	72.7	30.4	78.8	382	1.0	0.0	0.655	46.0	76.1	13.4	77.2	370	1.0	0.0	0.333	1.0	0.0	1.0	0.869	46.0	78.2	4.4	78.3	363	1.0	0.0	0.333				
383	371	364	1.0	0.0	0.316	45.7	72.6	31.2	79.1	383	1.0	0.0	0.628	46.0	75.7	14.7	77.1	371	1.0	0.0	0.317	1.0	0.0	1.0	0.828	46.0	77.9	5.9	78.1	364	1.0	0.0	0.317				
383	372	365	1.0	0.0	0.3	45.7	72.5	32.1	79.3	383	1.0	0.0	0.602	46.0	75.4	16.0	77.1	372	1.0	0.0	0.3	1.0	0.0	1.0	0.786	46.0	77.5	7.4	77.9	365	1.0	0.0	0.3				
384	373	366	1.0	0.0	0.283	45.6	72.4	32.9	79.6	384	1.0	0.0	0.576	46.0	75.2	17.4	77.1	373	1.0	0.0	0.283	1.0	0.0	1.0	0.746	46.0	77.1	8.8	77.7	366	1.0	0.0	0.283				
385	374	367	1.0	0.0	0.266	45.6	72.3	33.8	79.8	385	1.0	0.0	0.55	45.9	74.9	18.7	77.2	374	1.0	0.0	0.267	1.0	0.0	1.0	0.717	46.0	76.8	10.3	77.5	367	1.0	0.0	0.267				
385	375	368	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385	1.0	0.0	0.524	45.9	74.5	20.0	77.2	375	1.0	0.0	0.25	1.0	0.0	1.0	0.687	46.0	76.5	11.8	77.4	368	1.0	0.0	0.25				
386	376	369	1.0	0.0	0.233	45.6	72.1	35.3	80.3	386	1.0	0.0	0.498	45.9	74.2	21.3	77.2	376	1.0	0.0	0.233	1.0	0.0	1.0	0.658	46.0	76.1	13.3	77.2	369	1.0	0.0	0.233				
386	377	370	1.0	0.0	0.216	45.6	72.0	36.1	80.5	386	1.0	0.0	0.475	45.9	74.0	22.6	77.4	377	1.0	0.0	0.217	1.0	0.0	1.0	0.628	46.0	75.7	14.7	77.1	370	1.0	0.0	0.217				
387	378	372	1.0	0.0	0.2																																



TUB registration: 20130201-QE08/QE08L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)

http://130.149.60.45/~farbmatrik/QE08/QE08L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE08/QE08L30FA.DAT in file (F), page 23/33

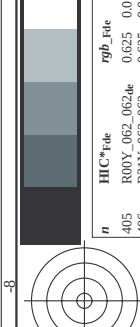
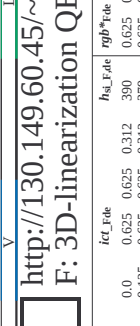
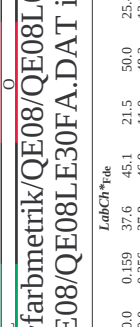
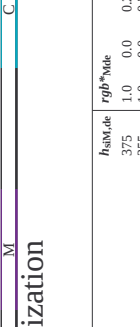
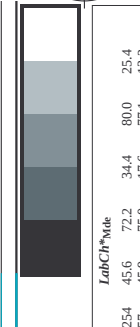
n	HiC*File	rgb*File	icL*File	hsa*File	rgb*File	LabCH*File	cmyn*SepFile	cmyn*SepFile	hsa*File	rgb*File	LabCH*File	delta
243	R00Y.037.037de	0.375 0.0 0.125	0.375 0.375 0.187	390	0.375 0.0 0.095	32.3 27.0	0.671 0.921	0.895 0.0	375	1.0 0.0 0.254	456 72.2	25.4
244	R18Y.037.037de	0.375 0.0 0.125	0.375 0.375 0.187	371	0.375 0.0 0.31	32.4 29.2	0.68 0.92	0.651 0.0	339	1.0 0.0 0.827	459 72.8	81.4
245	B65R.037.037de	0.375 0.0 0.25	0.375 0.375 0.187	349	0.226 0.0 0.375	29.3 24.1	0.778 0.953	0.604 0.0	306	0.603 0.0 1.0	376 64.3	15.3
246	B65R.037.037de	0.375 0.0 0.375	0.375 0.375 0.187	330	0.12 0.0 0.375	26.9 17.9	0.887 0.986	0.593 0.0	288	0.321 0.0 1.0	311 47.7	55.9
247	B38R.050.050de	0.375 0.0 0.5	0.5 0.5 0.25	316	0.067 0.0 0.5	26.1 18.2	0.924 0.993	0.469 0.0	277	0.135 0.0 1.0	279 36.5	51.4
248	B38R.050.050de	0.375 0.0 0.625	0.625 0.312 0.307	307	0.005 0.0 0.625	24.9 18.7	0.977 1.0	0.354 0.0	270	0.008 0.0 1.0	360 36.5	50.1
249	B25R.075.075de	0.375 0.0 0.75	0.75 0.75 0.375	295	0.0 0.079 0.75	27.1 17.6	0.984 0.924	0.264 0.0	264	0.0 0.105 1.0	281 23.4	40.1
250	B25R.075.075de	0.375 0.0 0.875	0.875 0.875 0.437	290	0.0 0.151 0.875	29.5 16.8	0.991 0.845	0.142 0.0	260	0.0 0.173 1.0	302 19.2	44.7
251	B18R.100.100de	0.375 0.0 1.0	1.0 1.0 0.5	292	0.0 0.21 1.0	31.5 16.8	0.992 0.787	0.0 0.0	258	0.0 0.21 1.0	315 16.8	43.7
252	R31Y.037.037de	0.375 0.125 0.0	0.375 0.375 0.187	49	0.375 0.092 0.0	35.3 19.6	0.666 0.666	0.828 1.0	43	1.0 0.0 0.254	53.5 76.1	46.6
253	R00Y.037.025de	0.375 0.125 0.125	0.375 0.375 0.187	390	0.375 0.124 0.188	38.6 18.0	0.655 0.765	0.675 0.0	375	1.0 0.0 0.254	53.5 76.1	46.6
254	R00Y.037.025de	0.375 0.125 0.25	0.375 0.375 0.187	390	0.309 0.124 0.375	37.5 17.6	0.696 0.771	0.771 0.0	315	0.736 0.0 1.0	41.4 70.4	9.8
255	B50R.037.025de	0.375 0.125 0.375	0.375 0.375 0.187	330	0.205 0.124 0.375	34.9 11.9	0.732 0.778	0.531 0.0	288	0.321 0.0 1.0	47.7 29.1	55.9
256	B50R.037.025de	0.375 0.125 0.5	0.5 0.375 0.312	311	0.149 0.124 0.5	34.0 12.3	0.834 0.793	0.435 0.0	273	0.064 0.0 1.0	32.9 38.4	50.6
257	B25R.062.050de	0.375 0.125 0.625	0.625 0.5 0.375	300	0.125 0.177 0.625	35.1 11.7	0.86 0.763	0.332 0.0	264	0.0 0.198 1.0	281 23.4	40.1
258	B18R.075.050de	0.375 0.125 0.75	0.75 0.625 0.437	293	0.125 0.248 0.75	37.4 11.0	0.862 0.705	0.225 0.0	259	0.0 0.198 1.0	311 17.6	44.1
259	B18R.075.050de	0.375 0.125 0.875	0.875 0.75 0.5	289	0.125 0.31 1.0	39.6 10.8	0.861 0.65	0.119 0.0	256	0.0 0.248 1.0	328 14.4	40.2
260	B18R.100.062de	0.375 0.125 1.0	1.0 0.875 0.562	286	0.125 0.31 1.0	39.6 10.8	0.861 0.65	0.119 0.0	254	0.0 0.281 1.0	339 12.2	40.2
261	R68Y.037.037de	0.375 0.25 0.0	0.375 0.375 0.187	71	0.375 0.203 0.0	40.5 9.2	0.656 0.694	0.694 0.0	62	1.0 0.543 0.0	67.4 75.9	71.1
262	R68Y.037.037de	0.375 0.25 0.125	0.375 0.375 0.187	71	0.375 0.203 0.0	40.5 9.2	0.656 0.694	0.694 0.0	62	1.0 0.543 0.0	67.4 75.9	71.1
263	R00Y.037.025de	0.375 0.25 0.25	0.375 0.375 0.187	390	0.375 0.249 0.281	44.8 9.0	0.651 0.62	0.35 0.0	351	1.0 0.398 0.0	60.2 56.2	53.4
264	R00Y.037.025de	0.375 0.25 0.375	0.375 0.375 0.187	390	0.249 0.276 0.5	43.1 5.8	0.651 0.62	0.35 0.0	351	1.0 0.398 0.0	60.2 56.2	53.4
265	B25R.062.025de	0.375 0.25 0.5	0.5 0.375 0.312	300	0.249 0.276 0.5	43.1 5.8	0.651 0.62	0.35 0.0	351	1.0 0.398 0.0	60.2 56.2	53.4
266	B25R.062.025de	0.375 0.25 0.625	0.625 0.375 0.437	289	0.25 0.403 0.75	47.4 5.4	0.651 0.62	0.35 0.0	351	1.0 0.398 0.0	60.2 56.2	53.4
267	B18R.075.050de	0.375 0.25 0.875	0.875 0.5 0.562	286	0.25 0.403 0.75	47.4 5.4	0.651 0.62	0.35 0.0	351	1.0 0.398 0.0	60.2 56.2	53.4
268	B07R.100.075de	0.375 0.25 1.0	1.0 0.875 0.562	279	0.25 0.517 1.0	49.4 5.4	0.651 0.62	0.35 0.0	351	1.0 0.398 0.0	60.2 56.2	53.4
269	B07R.100.075de	0.375 0.25 1.0	1.0 0.875 0.562	279	0.25 0.517 1.0	49.4 5.4	0.651 0.62	0.35 0.0	351	1.0 0.398 0.0	60.2 56.2	53.4
270	Y00C.037.037de	0.375 0.375 0.125	0.375 0.375 0.187	90	0.375 0.329 0.0	46.5 -1.3	0.646 0.537	0.977 0.0	83	1.0 0.878 0.0	83.6 -3.6	90.4
271	Y00C.037.037de	0.375 0.375 0.25	0.375 0.375 0.187	90	0.375 0.329 0.0	46.5 -1.3	0.646 0.537	0.977 0.0	83	1.0 0.878 0.0	83.6 -3.6	90.4
272	Y00C.037.037de	0.375 0.375 0.375	0.375 0.375 0.187	90	0.375 0.329 0.0	46.5 -1.3	0.646 0.537	0.977 0.0	83	1.0 0.878 0.0	83.6 -3.6	90.4
273	NW.037de	0.375 0.375 0.5	0.5 0.125 0.437	375	0.375 0.432 0.5	53.0 0.1	0.653 0.473	0.402 0.0	360	1.0 1.0 1.0	95.6 0.0	0.0
274	B00R.062.012de	0.375 0.375 0.625	0.625 0.25 0.5	270	0.375 0.432 0.5	53.0 0.1	0.653 0.473	0.402 0.0	360	1.0 1.0 1.0	95.6 0.0	0.0
275	B00R.062.012de	0.375 0.375 0.625	0.625 0.25 0.5	270	0.375 0.432 0.5	53.0 0.1	0.653 0.473	0.402 0.0	360	1.0 1.0 1.0	95.6 0.0	0.0
276	B00R.075.050de	0.375 0.375 0.75	0.75 0.375 0.562	270	0.375 0.504 0.875	59.0 0.6	0.645 0.361	0.192 0.0	242	0.0 0.458 1.0	40.2 1.2	-40.6
277	B00R.075.050de	0.375 0.375 0.75	0.75 0.375 0.562	270	0.375 0.504 0.875	59.0 0.6	0.645 0.361	0.192 0.0	242	0.0 0.458 1.0	40.2 1.2	-40.6
278	B00R.100.062de	0.375 0.375 1.0	1.0 0.625 0.687	270	0.375 0.604 1.0	61.0 0.7	0.646 0.361	0.192 0.0	242	0.0 0.458 1.0	40.2 1.2	-40.6
279	Y23C.050.050de	0.375 0.5 0.0	0.5 0.5 0.25	104	0.302 0.5 0.0	49.4 -12.5	0.671 0.432	0.989 0.0	113	0.695 1.0 0.0	74.5 -25.0	74.3
280	Y31G.050.037de	0.375 0.5 0.125	0.5 0.375 0.312	109	0.31 0.5 0.124	50.5 -11.2	0.671 0.432	0.989 0.0	113	0.695 1.0 0.0	74.5 -25.0	74.3
281	Y50C.050.025de	0.375 0.5 0.25	0.5 0.25 0.375	120	0.33 0.5 0.249	51.7 -10.2	0.671 0.432	0.989 0.0	113	0.695 1.0 0.0	74.5 -25.0	74.3
282	G00B.050.012de	0.375 0.5 0.375	0.5 0.125 0.437	150	0.375 0.5 0.393	54.3 -7.7	0.646 0.361	0.192 0.0	242	0.0 0.458 1.0	40.2 1.2	-40.6
283	G00B.050.012de	0.375 0.5 0.5	0.5 0.125 0.437	150	0.375 0.5 0.393	54.3 -7.7	0.646 0.361	0.192 0.0	242	0.0 0.458 1.0	40.2 1.2	-40.6
284	G75B.062.025de	0.375 0.5 0.625	0.625 0.25 0.5	240	0.375 0.586 0.625	58.3 -4.9	0.646 0.361	0.192 0.0	242	0.0 0.458 1.0	40.2 1.2	-40.6
285	G84B.075.037de	0.375 0.5 0.75	0.75 0.375 0.562	251	0.375 0.625 0.75	59.8 -4.3	0.646 0.361	0.192 0.0	242	0.0 0.458 1.0	40.2 1.2	-40.6
286	G88B.087.050de	0.375 0.5 0.875	0.875 0.5 0.625	256	0.375 0.625 0.75	59.8 -4.3	0.646 0.361	0.192 0.0	242	0.0 0.458 1.0	40.2 1.2	-40.6
287	G90B.100.062de	0.375 0.5 1.0	1.0 0.625 0.687	259	0.375 0.732 1.0	63.6 -3.7	0.652 0.247	0.006 0.0	233	0.0 0.602 1.0	45.5 -5.9	40.1
288	Y38C.062.062de	0.375 0.625 0.0	0.625 0.625 0.312	113	0.258 0.625 0.0	51.1 -20.4	0.652 0.247	0.006 0.0	233	0.0 0.602 1.0	45.5 -5.9	40.1
289	Y38C.062.062de	0.375 0.625 0.125	0.625 0.5 0.375	120	0.286 0.625 0.125	52.4 -20.2	0.652 0.247	0.006 0.0	233	0.0 0.602 1.0	45.5 -5.9	40.1
290	Y68C.062.037de	0.375 0.625 0.25	0.625 0.375 0.437	131	0.319 0.625 0.25	54.2 -19.1	0.652 0.247	0.006 0.0	233	0.0 0.602 1.0	45.5 -5.9	40.1
291	G00B.062.025de	0.375 0.625 0.375	0.625 0.25 0.5	150	0.375 0.625 0.5	58.2 -12.1	0.652 0.247	0.006 0.0	233	0.0 0.602 1.0	45.5 -5.9	40.1
292	G25B.062.025de	0.375 0.625 0.5	0.625 0.25 0.5	180	0.375 0.625 0.5	58.2 -12.1	0.652 0.247	0.006 0.0	233	0.0 0.602 1.0	45.5 -5.9	40.1
293	G58B.075.037de	0.375 0.625 0.875	0.875 0.5 0.625	229	0.375 0.732 1.0	63.6 -3.7	0.652 0.247	0.006 0.0	233	0.0 0.602 1.0	45.5 -5.9	40.1
294	G58B.075.037de	0.375 0.625 1.0	1.0 0.625 0.687	247	0.375 0.732 1.0	63.6 -3.7	0.652 0.247	0.006 0.0	233	0.0 0.602 1.0	45.5 -5.9	40.1
295	G58B.100.062de	0.375 0.625 1.0	1.0 0.625 0.687	247	0.375 0.732 1.0	63.6 -3.7	0.652 0.247	0.006 0.0	233	0.0		

TUB material: code=rha4ta
ny0* (CMY0)

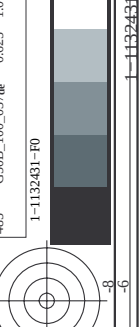
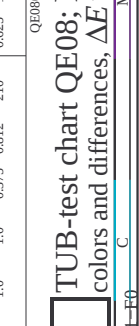
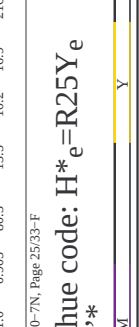
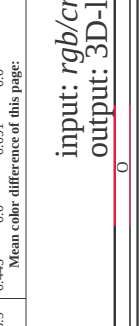
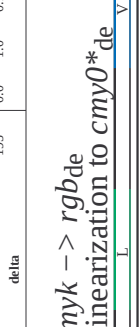
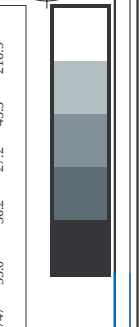
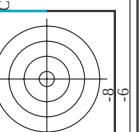
input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to $cmy0^*_{de}$

1-1132331-F0	QE080-7N, Page 24/33-F	
	TUB-test chart QE08; hue code: $H^* = R25Y_e$ colors and differences, ΔE^*_{ab}	input: $rgb/cmyk \rightarrow rgb_{de}$ output: 3D-linearization to $cmy0^*_{de}$ 
read: color chart of this page		action

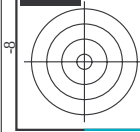
TUB-test chart QE08; hue code: H_e=R25Y_e
colors and differences, ΔE^*



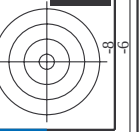
TUB registration: 20130201-QE08/QE08L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)



http://130.149.60.45/~farbmatrik/QE08/QE08L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE08/QE08L0FA.DAT in file (F), page 25/33



see similar files: http://130.149.60.45/~farbmatrik/QE08/QE08.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmatrik



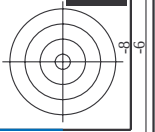
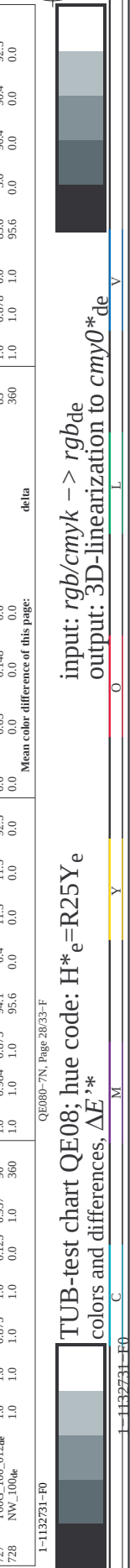
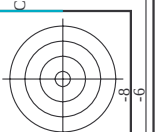
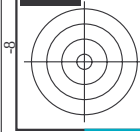
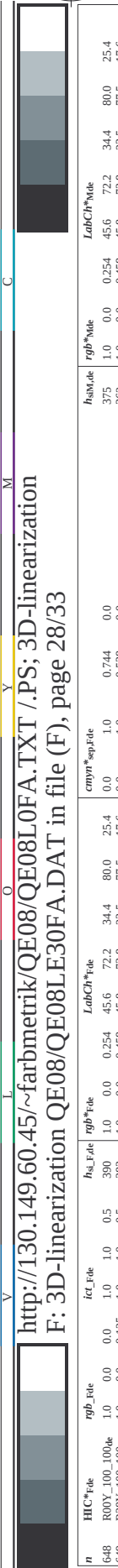
http://130.149.60.45/~farbmatrik/QE08/QE08L0FA.TXT /PS; 3D-linearization F: 3D-linearization QE08/QE08L30FA.DAT in file (F), page 25/33									
n	HiC*File	rgb*File	Lab*File	rgb*File	Lab*File	cmyn*SepFile	rgb*File	Lab*File	delta
405	R00Y.062.062a	0.625 0.0 0.0	0.625 0.625 0.312	0.625 0.0 0.159	37.6 45.1	0.94	0.0	0.254	456 72.2 34.4 80.0 25.4
406	R00Y.062.062a	0.625 0.0 0.125	0.625 0.625 0.312	0.625 0.0 0.356	37.8 46.1	0.947	0.0	0.254	456 72.2 34.4 80.0 25.4
407	R00Y.062.062a	0.625 0.0 0.250	0.625 0.625 0.312	0.625 0.0 0.625	37.9 46.5	0.951	0.0	0.254	456 72.2 34.4 80.0 25.4
408	R00Y.062.062a	0.625 0.0 0.375	0.625 0.625 0.312	0.625 0.0 0.947	38.0 46.9	0.955	0.0	0.254	456 72.2 34.4 80.0 25.4
409	R00Y.062.062a	0.625 0.0 0.500	0.625 0.625 0.312	0.625 0.0 1.250	38.1 47.3	0.959	0.0	0.254	456 72.2 34.4 80.0 25.4
410	R00Y.062.062a	0.625 0.0 0.625	0.625 0.625 0.312	0.625 0.0 1.562	38.2 47.7	0.963	0.0	0.254	456 72.2 34.4 80.0 25.4
411	R00Y.062.062a	0.625 0.0 0.750	0.625 0.625 0.312	0.625 0.0 1.875	38.3 48.1	0.967	0.0	0.254	456 72.2 34.4 80.0 25.4
412	R00Y.062.062a	0.625 0.0 0.875	0.625 0.625 0.312	0.625 0.0 2.187	38.4 48.5	0.971	0.0	0.254	456 72.2 34.4 80.0 25.4
413	R00Y.062.062a	0.625 0.0 1.000	0.625 0.625 0.312	0.625 0.0 2.500	38.5 48.9	0.975	0.0	0.254	456 72.2 34.4 80.0 25.4
414	R00Y.062.062a	0.625 0.125 0.125	0.625 0.625 0.312	0.625 0.125 0.125	38.6 49.3	0.979	0.0	0.254	456 72.2 34.4 80.0 25.4
415	R00Y.062.062a	0.625 0.125 0.250	0.625 0.625 0.312	0.625 0.125 0.250	38.7 49.7	0.983	0.0	0.254	456 72.2 34.4 80.0 25.4
416	R00Y.062.062a	0.625 0.125 0.375	0.625 0.625 0.312	0.625 0.125 0.375	38.8 50.1	0.987	0.0	0.254	456 72.2 34.4 80.0 25.4
417	R00Y.062.062a	0.625 0.125 0.500	0.625 0.625 0.312	0.625 0.125 0.500	38.9 50.5	0.991	0.0	0.254	456 72.2 34.4 80.0 25.4
418	R00Y.062.062a	0.625 0.125 0.625	0.625 0.625 0.312	0.625 0.125 0.625	39.0 50.9	0.995	0.0	0.254	456 72.2 34.4 80.0 25.4
419	R00Y.062.062a	0.625 0.125 0.750	0.625 0.625 0.312	0.625 0.125 0.750	39.1 51.3	0.999	0.0	0.254	456 72.2 34.4 80.0 25.4
420	R00Y.062.062a	0.625 0.125 0.875	0.625 0.625 0.312	0.625 0.125 0.875	39.2 51.7	1.003	0.0	0.254	456 72.2 34.4 80.0 25.4
421	R00Y.062.062a	0.625 0.125 1.000	0.625 0.625 0.312	0.625 0.125 1.000	39.3 52.1	1.007	0.0	0.254	456 72.2 34.4 80.0 25.4
422	R00Y.062.062a	0.625 0.250 0.125	0.625 0.625 0.312	0.625 0.250 0.125	39.4 52.5	1.011	0.0	0.254	456 72.2 34.4 80.0 25.4
423	R00Y.062.062a	0.625 0.250 0.250	0.625 0.625 0.312	0.625 0.250 0.250	39.5 52.9	1.015	0.0	0.254	456 72.2 34.4 80.0 25.4
424	R00Y.062.062a	0.625 0.250 0.375	0.625 0.625 0.312	0.625 0.250 0.375	39.6 53.3	1.019	0.0	0.254	456 72.2 34.4 80.0 25.4
425	R00Y.062.062a	0.625 0.250 0.500	0.625 0.625 0.312	0.625 0.250 0.500	39.7 53.7	1.023	0.0	0.254	456 72.2 34.4 80.0 25.4
426	R00Y.062.062a	0.625 0.250 0.625	0.625 0.625 0.312	0.625 0.250 0.625	39.8 54.1	1.027	0.0	0.254	456 72.2 34.4 80.0 25.4
427	R00Y.062.062a	0.625 0.250 0.750	0.625 0.625 0.312	0.625 0.250 0.750	39.9 54.5	1.031	0.0	0.254	456 72.2 34.4 80.0 25.4
428	R00Y.062.062a	0.625 0.250 0.875	0.625 0.625 0.312	0.625 0.250 0.875	40.0 54.9	1.035	0.0	0.254	456 72.2 34.4 80.0 25.4
429	R00Y.062.062a	0.625 0.250 1.000	0.625 0.625 0.312	0.625 0.250 1.000	40.1 55.3	1.039	0.0	0.254	456 72.2 34.4 80.0 25.4
430	R00Y.062.062a	0.625 0.375 0.125	0.625 0.625 0.312	0.625 0.375 0.125	40.2 55.7	1.043	0.0	0.254	456 72.2 34.4 80.0 25.4
431	R00Y.062.062a	0.625 0.375 0.250	0.625 0.625 0.312	0.625 0.375 0.250	40.3 56.1	1.047	0.0	0.254	456 72.2 34.4 80.0 25.4
432	R00Y.062.062a	0.625 0.375 0.375	0.625 0.625 0.312	0.625 0.375 0.375	40.4 56.5	1.051	0.0	0.254	456 72.2 34.4 80.0 25.4
433	R00Y.062.062a	0.625 0.375 0.500	0.625 0.625 0.312	0.625 0.375 0.500	40.5 56.9	1.055	0.0	0.254	456 72.2 34.4 80.0 25.4
434	R00Y.062.062a	0.625 0.375 0.625	0.625 0.625 0.312	0.625 0.375 0.625	40.6 57.3	1.059	0.0	0.254	456 72.2 34.4 80.0 25.4
435	R00Y.062.062a	0.625 0.375 0.750	0.625 0.625 0.312	0.625 0.375 0.750	40.7 57.7	1.063	0.0	0.254	456 72.2 34.4 80.0 25.4
436	R00Y.062.062a	0.625 0.375 0.875	0.625 0.625 0.312	0.625 0.375 0.875	40.8 58.1	1.067	0.0	0.254	456 72.2 34.4 80.0 25.4
437	R00Y.062.062a	0.625 0.375 1.000	0.625 0.625 0.312	0.625 0.375 1.000	40.9 58.5	1.071	0.0	0.254	456 72.2 34.4 80.0 25.4
438	R00Y.062.062a	0.625 0.500 0.125	0.625 0.625 0.312	0.625 0.500 0.125	41.0 58.9	1.075	0.0	0.254	456 72.2 34.4 80.0 25.4
439	R00Y.062.062a	0.625 0.500 0.250	0.625 0.625 0.312	0.625 0.500 0.250	41.1 59.3	1.079	0.0	0.254	456 72.2 34.4 80.0 25.4
440	R00Y.062.062a	0.625 0.500 0.375	0.625 0.625 0.312	0.625 0.500 0.375	41.2 59.7	1.083	0.0	0.254	456 72.2 34.4 80.0 25.4
441	R00Y.062.062a	0.625 0.500 0.500	0.625 0.625 0.312	0.625 0.500 0.500	41.3 60.1	1.087	0.0	0.254	456 72.2 34.4 80.0 25.4
442	R00Y.062.062a	0.625 0.500 0.625	0.625 0.625 0.312	0.625 0.500 0.625	41.4 60.5	1.091	0.0	0.254	456 72.2 34.4 80.0 25.4
443	R00Y.062.062a	0.625 0.500 0.750	0.625 0.625 0.312	0.625 0.500 0.750	41.5 60.9	1.095	0.0	0.254	456 72.2 34.4 80.0 25.4
444	R00Y.062.062a	0.625 0.500 0.875	0.625 0.625 0.312	0.625 0.500 0.875	41.6 61.3	1.099	0.0	0.254	456 72.2 34.4 80.0 25.4
445	R00Y.062.062a	0.625 0.500 1.000	0.625 0.625 0.312	0.625 0.500 1.000	41.7 61.7	1.103	0.0	0.254	456 72.2 34.4 80.0 25.4
446	R00Y.062.062a	0.625 0.625 0.125	0.625 0.625 0.312	0.625 0.625 0.125	41.8 62.1	1.107	0.0	0.254	456 72.2 34.4 80.0 25.4
447	R00Y.062.062a	0.625 0.625 0.250	0.625 0.625 0.312	0.625 0.625 0.250	41.9 62.5	1.111	0.0	0.254	456 72.2 34.4 80.0 25.4
448	R00Y.062.062a	0.625 0.625 0.375	0.625 0.625 0.312	0.625 0.625 0.375	42.0 62.9	1.115	0.0	0.254	456 72.2 34.4 80.0 25.4
449	R00Y.062.062a	0.625 0.625 0.500	0.625 0.625 0.312	0.625 0.625 0.500	42.1 63.3	1.119	0.0	0.254	456 72.2 34.4 80.0 25.4
450	R00Y.062.062a	0.625 0.625 0.625	0.625 0.625 0.312	0.625 0.625 0.625	42.2 63.7	1.123	0.0	0.254	456 72.2 34.4 80.0 25.4
451	R00Y.062.062a	0.625 0.625 0.750	0.625 0.625 0.312	0.625 0.625 0.750	42.3 64.1	1.127	0.0	0.254	456 72.2 34.4 80.0 25.4
452	R00Y.062.062a	0.625 0.625 0.875	0.625 0.625 0.312	0.625 0.625 0.875	42.4 64.5	1.131	0.0	0.254	456 72.2 34.4 80.0 25.4
453	R00Y.062.062a	0.625 0.625 1.000	0.625 0.625 0.312	0.625 0.625 1.000	42.5 64.9	1.135	0.0	0.254	456 72.2 34.4 80.0 25.4
454	R00Y.062.062a	0.625 0.750 0.125	0.625 0.625 0.312	0.625 0.750 0.125	42.6 65.3	1.139	0.0	0.254	456 72.2 34.4 80.0 25.4
455	R00Y.062.062a	0.625 0.750 0.250	0.625 0.625 0.312	0.625 0.750 0.250	42.7 65.7	1.143	0.0	0.254	456 72.2 34.4 80.0 25.4
456	R00Y.062.062a	0.625 0.750 0.375	0.625 0.625 0.312	0.625 0.750 0.375	42.8 66.1	1.147	0.0	0.254	456 72.2 34.4 80.0 25.4
457	R00Y.062.062a	0.625 0.750 0.500	0.625 0.625 0.312	0.625 0.750 0.500	42.9 66.5	1.151	0.0	0.254	456 72.2 34.4 80.0 25.4
458	R00Y.062.062a	0.625 0.750 0.625	0.625 0.625 0.312	0.625 0.750 0.625	43.0 66.9	1.155	0.0	0.254	456 72.2 34.4 80.0 25.4
459	R00Y.062.062a	0.625 0.750 0.750	0.625 0.625 0.312	0.625 0.750 0.750	43.1 67.3	1.159	0.0	0.254	456 72.2 34.4 80.0 25.4
460	R00Y.062.062a	0.625 0.750 0.875	0.625 0.625 0.312	0.625 0.750 0.875	43.2 67.7	1.163	0.0	0.254	456 72.2 34.4 80.0 25.4
461	R00Y.062.062a	0.625 0.750 1.000	0.625 0.625 0.312	0.625 0.750 1.000	43.3 68.1	1.167	0.0	0.254	456 72.2 34.4 80.0 25.4
462	R00Y.062.062a	0.625 0.875 0.125	0.625 0.625 0.312	0.625 0.875 0.125	43.4 68.5	1.171	0.0	0.254	456 72.2 34.4 80.0 25.4
463	R00Y.062.062a	0.625 0.875 0.250	0.625 0.625 0.312	0.625 0.875 0.250	43.5 68.9	1.175	0.0	0.254	456 72.2 34.4 80.0 25.4
464	R00Y.062.062a	0.625 0.875 0.375	0.625 0.625 0.312	0.625 0.875 0.375	43.6 69.3	1.179	0.0	0.254	456 72.2 34.4 80.0 25.4
465	R00Y.062.062a	0.625 0.875 0.500	0.625 0.625 0.312	0.625 0.875 0.500	43.7 69.7	1.183	0.0	0.254	456 72.2 34.4 80.0 25.4
466	R00Y.062.062a	0.625 0.875 0.625	0.625 0.625						

[illegible]

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

TUB-test chart QE08; hue code: H_e^{*}=R25Y_e
colors and differences, ΔE^*

-see similar files: <http://130.149.60.45/~farbmetrik/QE08/QE08.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



http://130.149.60.45/~farbmatrik/QE08/QE08L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE08/QE08L30FA.DAT in file (F), page 28/33

see similar files: <http://130.149.60.45/~farbmatrik/QE08/QE08.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

input: *rgb/cmyk* -> *rgbde*
output: 3D-linearization to *cmy0*de*

n	HC*File	rgb*File	ic*File	hsa*File	rgb*File	LabCH*File	cmy0*sepFile	hsa*File	rgb*File	LabCH*File
648	R00Y_100_100de	1.0	0.0	0.0	0.0	45.6	0.0	390	1.0	45.6
649	R83Y_100_100de	1.0	0.125	1.0	0.0	45.8	0.0	383	1.0	45.8
650	R26Y_100_100de	1.0	0.25	1.0	0.0	46.0	0.0	376	1.0	46.0
651	R13Y_100_100de	1.0	0.375	1.0	0.0	46.2	0.0	368	1.0	46.2
652	R00Y_100_100de	1.0	0.5	1.0	0.0	46.4	0.0	360	1.0	46.4
653	B68R_100_100de	1.0	0.0625	1.0	0.0	39.3	0.0	352	1.0	39.3
654	B55R_100_100de	1.0	0.075	1.0	0.0	39.6	0.0	344	1.0	39.6
655	B42R_100_100de	1.0	0.0875	1.0	0.0	39.9	0.0	337	1.0	39.9
656	B29R_100_100de	1.0	0.1	1.0	0.0	40.1	0.0	330	1.0	40.1
657	R11Y_100_100de	1.0	0.125	1.0	0.0	40.4	0.0	323	1.0	40.4
658	R00Y_100_097de	1.0	0.125	1.0	0.0875	40.7	0.0	316	1.0	40.7
659	R36Y_100_097de	1.0	0.125	1.0	0.0875	41.0	0.0	309	1.0	41.0
660	R23Y_100_097de	1.0	0.125	1.0	0.0875	41.3	0.0	302	1.0	41.3
661	R00Y_100_097de	1.0	0.125	1.0	0.0875	41.6	0.0	295	1.0	41.6
662	B70R_100_097de	1.0	0.125	1.0	0.0875	41.9	0.0	288	1.0	41.9
663	B63R_100_097de	1.0	0.125	1.0	0.0875	42.2	0.0	281	1.0	42.2
664	B56R_100_097de	1.0	0.125	1.0	0.0875	42.5	0.0	274	1.0	42.5
665	B49R_100_097de	1.0	0.125	1.0	0.0875	42.8	0.0	267	1.0	42.8
666	R23Y_100_100de	1.0	0.25	1.0	0.0	43.1	0.0	260	1.0	43.1
667	R13Y_100_100de	1.0	0.375	1.0	0.0	43.4	0.0	253	1.0	43.4
668	R00Y_100_100de	1.0	0.5	1.0	0.0	43.7	0.0	246	1.0	43.7
669	R83Y_100_100de	1.0	0.625	1.0	0.0	44.0	0.0	239	1.0	44.0
670	R68R_100_100de	1.0	0.0625	1.0	0.0	36.7	0.0	232	1.0	36.7
671	R00Y_100_100de	1.0	0.125	1.0	0.0	44.3	0.0	225	1.0	44.3
672	B68R_100_100de	1.0	0.0625	1.0	0.0	36.7	0.0	218	1.0	36.7
673	B55R_100_100de	1.0	0.075	1.0	0.0	37.0	0.0	211	1.0	37.0
674	B42R_100_100de	1.0	0.0875	1.0	0.0	37.3	0.0	204	1.0	37.3
675	B29R_100_100de	1.0	0.1	1.0	0.0	37.6	0.0	197	1.0	37.6
676	R11Y_100_100de	1.0	0.125	1.0	0.0	37.9	0.0	190	1.0	37.9
677	R00Y_100_100de	1.0	0.125	1.0	0.0875	38.2	0.0	183	1.0	38.2
678	R36Y_100_100de	1.0	0.125	1.0	0.0875	38.5	0.0	176	1.0	38.5
679	R23Y_100_100de	1.0	0.25	1.0	0.0	38.8	0.0	169	1.0	38.8
680	R13Y_100_100de	1.0	0.375	1.0	0.0	39.1	0.0	162	1.0	39.1
681	B68R_100_100de	1.0	0.0625	1.0	0.0	36.7	0.0	155	1.0	36.7
682	B55R_100_100de	1.0	0.075	1.0	0.0	37.0	0.0	148	1.0	37.0
683	B42R_100_100de	1.0	0.0875	1.0	0.0	37.3	0.0	141	1.0	37.3
684	B29R_100_100de	1.0	0.1	1.0	0.0	37.6	0.0	134	1.0	37.6
685	R11Y_100_100de	1.0	0.125	1.0	0.0	37.9	0.0	127	1.0	37.9
686	R00Y_100_100de	1.0	0.125	1.0	0.0875	38.2	0.0	120	1.0	38.2
687	R36Y_100_100de	1.0	0.125	1.0	0.0875	38.5	0.0	113	1.0	38.5
688	R23Y_100_100de	1.0	0.25	1.0	0.0	38.8	0.0	106	1.0	38.8
689	R13Y_100_100de	1.0	0.375	1.0	0.0	39.1	0.0	99	1.0	39.1
690	B68R_100_100de	1.0	0.0625	1.0	0.0	36.7	0.0	92	1.0	36.7
691	B55R_100_100de	1.0	0.075	1.0	0.0	37.0	0.0	85	1.0	37.0
692	B42R_100_100de	1.0	0.0875	1.0	0.0	37.3	0.0	78	1.0	37.3
693	B29R_100_100de	1.0	0.1	1.0	0.0	37.6	0.0	71	1.0	37.6
694	R11Y_100_100de	1.0	0.125	1.0	0.0	37.9	0.0	64	1.0	37.9
695	R00Y_100_100de	1.0	0.125	1.0	0.0875	38.2	0.0	57	1.0	38.2
696	R36Y_100_100de	1.0	0.125	1.0	0.0875	38.5	0.0	50	1.0	38.5
697	R23Y_100_100de	1.0	0.25	1.0	0.0	38.8	0.0	43	1.0	38.8
698	R13Y_100_100de	1.0	0.375	1.0	0.0	39.1	0.0	36	1.0	39.1
699	B68R_100_100de	1.0	0.0625	1.0	0.0	36.7	0.0	29	1.0	36.7
700	B55R_100_100de	1.0	0.075	1.0	0.0	37.0	0.0	22	1.0	37.0
701	B42R_100_100de	1.0	0.0875	1.0	0.0	37.3	0.0	15	1.0	37.3
702	B29R_100_100de	1.0	0.1	1.0	0.0	37.6	0.0	8	1.0	37.6
703	R11Y_100_100de	1.0	0.125	1.0	0.0	37.9	0.0	1	1.0	37.9
704	R00Y_100_100de	1.0	0.125	1.0	0.0875	38.2	0.0	0	1.0	38.2
705	R36Y_100_100de	1.0	0.125	1.0	0.0875	38.5	0.0	0	1.0	38.5
706	R23Y_100_100de	1.0	0.25	1.0	0.0	38.8	0.0	0	1.0	38.8
707	R13Y_100_100de	1.0	0.375	1.0	0.0	39.1	0.0	0	1.0	39.1
708	B68R_100_100de	1.0	0.0625	1.0	0.0	36.7	0.0	0	1.0	36.7
709	B55R_100_100de	1.0	0.075	1.0	0.0	37.0	0.0	0	1.0	37.0
710	B42R_100_100de	1.0	0.0875	1.0	0.0	37.3	0.0	0	1.0	37.3
711	B29R_100_100de	1.0	0.1	1.0	0.0	37.6	0.0	0	1.0	37.6
712	R11Y_100_100de	1.0	0.125	1.0	0.0	37.9	0.0	0	1.0	37.9
713	R00Y_100_100de	1.0	0.125	1.0	0.0875	38.2	0.0	0	1.0	38.2
714	R36Y_100_100de	1.0	0.125	1.0	0.0875	38.5	0.0	0	1.0	38.5
715	R23Y_100_100de	1.0	0.25	1.0	0.0	38.8	0.0	0	1.0	38.8
716	R13Y_100_100de	1.0	0.375	1.0	0.0	39.1	0.0	0	1.0	39.1
717	B68R_100_100de	1.0	0.0625	1.0	0.0	36.7	0.0	0	1.0	36.7
718	B55R_100_100de	1.0	0.075	1.0	0.0	37.0	0.0	0	1.0	37.0
719	B42R_100_100de	1.0	0.0875	1.0	0.0	37.3	0.0	0	1.0	37.3
720	B29R_100_100de	1.0	0.1	1.0	0.0	37.6	0.0	0	1.0	37.6
721	R11Y_100_100de	1.0	0.125	1.0	0.0	37.9	0.0	0	1.0	37.9
722	R00Y_100_100de	1.0	0.125	1.0	0.0875	38.2	0.0	0	1.0	38.2
723	R36Y_100_100de	1.0	0.125	1.0	0.0875	38.5	0.0	0	1.0	38.5
724	R23Y_100_100de	1.0	0.25	1.0	0.0	38.8	0.0	0	1.0	38.8
725	R13Y_100_100de	1.0	0.375	1.0	0.0	39.1	0.0	0	1.0	39.1
726	B68R_100_100de	1.0	0.0625	1.0	0.0	36.7	0.0	0	1.0	36.7
727	B55R_100_100de	1.0	0.075	1.0	0.0	37.0	0.0	0	1.0	37.0
728	B42R_100_100de	1.0	0.0875	1.0	0.0	37.3	0.0	0	1.0	37.3

QE080-7N; Page 28/33-F

TUB-test chart QE08; hue code: H*=R25Ye
colors and differences, ΔE*

I-1132731-F0

TUB registration: 20130201-QE08/QE08L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)

http://130.149.60.45/~farbmatrik/QE08/QE08L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE08/QE08L0FA.DAT in file (F), page 29/33

see similar files: http://130.149.60.45/~farbmatrik/QE08/QE08L0FA.TXT /.PS; 3D-linearization
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmatrik

n	HC*File	rgb*File	Lab*File	rgb*File	Lab*File	cmyn*sep*File	rgb*File	Lab*File	delta
729	NW_100.00e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
730	G50B_100.0124e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
731	G50B_100.0254e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
732	G50B_100.0374e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
733	G50B_100.0504e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
734	G50B_100.0624e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
735	G50B_100.0744e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
736	G50B_100.0864e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
737	G50B_100.0984e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
738	ROY_100.0104e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
739	ROY_100.0124e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
740	ROY_100.0144e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
741	ROY_100.0164e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
742	ROY_100.0184e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
743	ROY_100.0204e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
744	ROY_100.0224e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
745	ROY_100.0244e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
746	ROY_100.0264e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
747	ROY_100.0284e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
748	ROY_100.0304e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
749	ROY_100.0324e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
750	ROY_100.0344e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
751	ROY_100.0364e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
752	ROY_100.0384e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
753	ROY_100.0404e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
754	ROY_100.0424e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
755	ROY_100.0444e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
756	ROY_100.0464e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
757	ROY_100.0484e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
758	ROY_100.0504e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
759	ROY_100.0524e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
760	ROY_100.0544e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
761	ROY_100.0564e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
762	ROY_100.0584e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
763	ROY_100.0604e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
764	ROY_100.0624e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
765	ROY_100.0644e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
766	ROY_100.0664e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
767	ROY_100.0684e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
768	ROY_100.0704e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
769	ROY_100.0724e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
770	ROY_100.0744e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
771	ROY_100.0764e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
772	ROY_100.0784e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
773	ROY_100.0804e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
774	ROY_100.0824e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
775	ROY_100.0844e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
776	ROY_100.0864e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
777	ROY_100.0884e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
778	ROY_100.0904e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
779	ROY_100.0924e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
780	ROY_100.0944e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
781	ROY_100.0964e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
782	ROY_100.0984e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
783	ROY_100.1004e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
784	ROY_100.1024e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
785	ROY_100.1044e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
786	ROY_100.1064e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
787	ROY_100.1084e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
788	ROY_100.1104e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
789	ROY_100.1124e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
790	ROY_100.1144e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
791	ROY_100.1164e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
792	ROY_100.1184e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
793	ROY_100.1204e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
794	ROY_100.1224e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
795	ROY_100.1244e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
796	ROY_100.1264e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
797	ROY_100.1284e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
798	ROY_100.1304e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
799	ROY_100.1324e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
800	ROY_100.1344e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
801	ROY_100.1364e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
802	ROY_100.1384e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
803	ROY_100.1404e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
804	ROY_100.1424e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
805	ROY_100.1444e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
806	ROY_100.1464e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
807	ROY_100.1484e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
808	ROY_100.1504e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0
809	ROY_100.1524e	0.875	1.0	1.0	0.956	0.0	0.0	0.0	0.0

input: rgb/cmyk -> rgbde
output: 3D-linearization to cmy0*de

TUB-test chart QE08: hue code: H*=R25Ye
colors and differences, ΔE*
I-1132831-F0

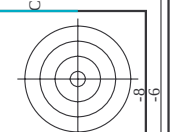
I-1132831-F0



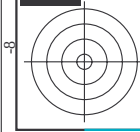
QE0811L

http://130.149.60.45/~farbmatrik/QE08/QE08L0FA.TXT /PS; 3D-linearization
F: 3D-linearization QE08/QE08L30FA.DAT in file (F), page 31/33

TUB registration: 20130201-QE08/QE08L0FA.TXT /PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)

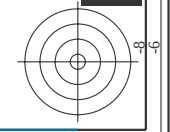


QE0811L



QE0811L

see similar files: <http://130.149.60.45/~farbmatrik/QE08/QE08L0FA.TXT>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



QE0811L

n	HC*File	rgb*File	Lab*File	rgb*File	Lab*File	cmym*sep*File	rgb*File	Lab*File	delta
891	NW_100de	1.0	1.0	1.0	95.6	0.0	1.0	95.6	0.0
892	B50R_100.012de	0.875	1.0	0.875	1.0	0.0	1.0	95.6	0.0
893	B50R_100.025de	0.75	1.0	0.75	1.0	0.0	1.0	95.6	0.0
894	B50R_100.037de	0.625	1.0	0.625	1.0	0.0	1.0	95.6	0.0
895	B50R_100.050de	0.5	1.0	0.5	1.0	0.0	1.0	95.6	0.0
896	B50R_100.062de	0.375	1.0	0.375	1.0	0.0	1.0	95.6	0.0
897	B50R_100.075de	0.25	1.0	0.25	1.0	0.0	1.0	95.6	0.0
898	B50R_100.087de	0.125	1.0	0.125	1.0	0.0	1.0	95.6	0.0
899	B50R_100.100de	0.0	1.0	0.0	1.0	0.0	1.0	95.6	0.0
900	G00B_100.012de	0.875	1.0	0.875	1.0	0.0	1.0	95.6	0.0
901	NW_087de	0.875	0.875	0.875	0.875	0.0	0.875	0.875	0.0
902	B50R_087.012de	0.875	0.875	0.875	0.875	0.0	0.875	0.875	0.0
903	B50R_087.025de	0.875	0.875	0.875	0.875	0.0	0.875	0.875	0.0
904	B50R_087.037de	0.875	0.875	0.875	0.875	0.0	0.875	0.875	0.0
905	B50R_087.050de	0.875	0.875	0.875	0.875	0.0	0.875	0.875	0.0
906	B50R_087.062de	0.875	0.875	0.875	0.875	0.0	0.875	0.875	0.0
907	B50R_087.075de	0.875	0.875	0.875	0.875	0.0	0.875	0.875	0.0
908	B50R_087.087de	0.875	0.875	0.875	0.875	0.0	0.875	0.875	0.0
909	G00B_100.025de	0.75	1.0	0.75	1.0	0.0	1.0	95.6	0.0
910	G00B_100.037de	0.625	1.0	0.625	1.0	0.0	1.0	95.6	0.0
911	NW_075de	0.75	1.0	0.75	1.0	0.0	1.0	95.6	0.0
912	B50R_075.012de	0.75	1.0	0.75	1.0	0.0	1.0	95.6	0.0
913	B50R_075.025de	0.75	1.0	0.75	1.0	0.0	1.0	95.6	0.0
914	B50R_075.037de	0.75	1.0	0.75	1.0	0.0	1.0	95.6	0.0
915	B50R_075.050de	0.75	1.0	0.75	1.0	0.0	1.0	95.6	0.0
916	B50R_075.062de	0.75	1.0	0.75	1.0	0.0	1.0	95.6	0.0
917	B50R_075.075de	0.75	1.0	0.75	1.0	0.0	1.0	95.6	0.0
918	G00B_100.037de	0.625	1.0	0.625	1.0	0.0	1.0	95.6	0.0
919	G00B_100.050de	0.5	1.0	0.5	1.0	0.0	1.0	95.6	0.0
920	G00B_075.012de	0.625	0.75	0.625	0.75	0.0	0.75	0.625	0.0
921	G00B_075.025de	0.625	0.75	0.625	0.75	0.0	0.75	0.625	0.0
922	B50R_062.012de	0.625	0.5	0.625	0.5	0.0	0.5	0.625	0.0
923	B50R_062.025de	0.625	0.5	0.625	0.5	0.0	0.5	0.625	0.0
924	B50R_062.037de	0.625	0.5	0.625	0.5	0.0	0.5	0.625	0.0
925	B50R_062.050de	0.625	0.5	0.625	0.5	0.0	0.5	0.625	0.0
926	B50R_062.062de	0.625	0.5	0.625	0.5	0.0	0.5	0.625	0.0
927	B50R_100.050de	0.5	1.0	0.5	1.0	0.0	1.0	95.6	0.0
928	G00B_087.037de	0.5	0.875	0.5	0.875	0.0	0.875	0.5	0.0
929	G00B_075.025de	0.5	0.75	0.5	0.75	0.0	0.75	0.5	0.0
930	G00B_062.012de	0.5	0.625	0.5	0.625	0.0	0.625	0.5	0.0
931	NW_050de	0.5	1.0	0.5	1.0	0.0	1.0	95.6	0.0
932	B50R_050.012de	0.5	0.375	0.5	0.375	0.0	0.375	0.5	0.0
933	B50R_050.025de	0.5	0.25	0.5	0.25	0.0	0.25	0.5	0.0
934	B50R_050.037de	0.5	0.125	0.5	0.125	0.0	0.125	0.5	0.0
935	B50R_050.050de	0.5	0.0	0.5	0.0	0.0	0.0	0.5	0.0
936	G00B_100.062de	0.375	1.0	0.375	1.0	0.0	1.0	95.6	0.0
937	G00B_087.050de	0.375	0.875	0.375	0.875	0.0	0.875	0.375	0.0
938	G00B_075.037de	0.375	0.75	0.375	0.75	0.0	0.75	0.375	0.0
939	G00B_062.025de	0.375	0.625	0.375	0.625	0.0	0.625	0.375	0.0
940	NW_037de	0.375	0.5	0.375	0.5	0.0	0.5	0.375	0.0
941	B50R_037.012de	0.375	0.375	0.375	0.375	0.0	0.375	0.375	0.0
942	B50R_037.025de	0.375	0.25	0.375	0.25	0.0	0.25	0.375	0.0
943	B50R_037.037de	0.375	0.125	0.375	0.125	0.0	0.125	0.375	0.0
944	B50R_100.075de	0.375	1.0	0.375	1.0	0.0	1.0	95.6	0.0
945	G00B_100.075de	0.25	1.0	0.25	1.0	0.0	1.0	95.6	0.0
946	G00B_062.062de	0.25	0.875	0.25	0.875	0.0	0.875	0.25	0.0
947	G00B_062.075de	0.25	0.75	0.25	0.75	0.0	0.75	0.25	0.0
948	G00B_062.087de	0.25	0.625	0.25	0.625	0.0	0.625	0.25	0.0
949	G00B_050.025de	0.25	0.5	0.25	0.5	0.0	0.5	0.25	0.0
950	G00B_037.012de	0.25	0.375	0.25	0.375	0.0	0.375	0.25	0.0
951	NW_025de	0.25	0.25	0.25	0.25	0.0	0.25	0.25	0.0
952	B50R_025.012de	0.25	0.125	0.25	0.125	0.0	0.125	0.25	0.0
953	B50R_025.025de	0.25	0.125	0.25	0.125	0.0	0.125	0.25	0.0
954	G00B_100.087de	0.125	1.0	0.125	1.0	0.0	1.0	95.6	0.0
955	G00B_087.075de	0.125	0.875	0.125	0.875	0.0	0.875	0.125	0.0
956	G00B_075.062de	0.125	0.75	0.125	0.75	0.0	0.75	0.125	0.0
957	G00B_062.050de	0.125	0.625	0.125	0.625	0.0	0.625	0.125	0.0
958	G00B_050.037de	0.125	0.5	0.125	0.5	0.0	0.5	0.125	0.0
959	G00B_037.025de	0.125	0.375	0.125	0.375	0.0	0.375	0.125	0.0
960	G00B_025.012de	0.125	0.25	0.125	0.25	0.0	0.25	0.125	0.0
961	NW_012de	0.125	0.125	0.125	0.125	0.0	0.125	0.125	0.0
962	B50R_012.012de	0.125	0.125	0.125	0.125	0.0	0.125	0.125	0.0
963	G00B_100.100de	0.0	1.0	0.0	1.0	0.0	1.0	95.6	0.0
964	G00B_087.087de	0.0	0.875	0.0	0.875	0.0	0.875	0.0	0.0
965	G00B_075.075de	0.0	0.75	0.0	0.75	0.0	0.75	0.0	0.0
966	G00B_062.062de	0.0	0.625	0.0	0.625	0.0	0.625	0.0	0.0
967	G00B_050.050de	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0
968	G00B_037.037de	0.0	0.375	0.0	0.375	0.0	0.375	0.0	0.0
969	G00B_025.025de	0.0	0.25	0.0	0.25	0.0	0.25	0.0	0.0
970	G00B_012.012de	0.0	0.125	0.0	0.125	0.0	0.125	0.0	0.0
971	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

QE080-7N; Page 31/33-F

TUB-test chart QE08; hue code: H*=R25Ye
colors and differences, ΔE*

input: rgb/cmyk -> rgbde
output: 3D-linearization to cmy0*de

Mean color difference of this page:

delta

TUB registration: 20130201-QE08/QE08L0FA.TXT /PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)

see similar files: <http://130.149.60.45/~farbmatrik/QE08/QE08.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart QE08: hue code: H*e=R25Ye
colors and differences, ΔE^*

input: *rgb/cmyk* -> *rgbde*
output: 3D-linearization to *cmy0*de*

n	HVC*Fide	rgb_Fide	lct_Fide	hsa_Fide	rgb*Fide	LabCH*Fide	cmyn*sep_Fide	0.108	0.099	0.0	delta	hsvM.de	rgb*Mde	LabCH*Mde	0.0	0.0	0.0
1053	NW_086de	0.866	0.866	0.866	0.866	86.6	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1054	NW_093de	0.933	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1055	NW_100de	1.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1056	NW_100de	0.0	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1057	NW_006de	0.066	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1058	NW_013de	0.133	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1059	NW_020de	0.2	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1060	NW_026de	0.266	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1061	NW_033de	0.333	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1062	NW_040de	0.4	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1063	NW_046de	0.466	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1064	NW_053de	0.533	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1065	NW_060de	0.6	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1066	NW_066de	0.666	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1067	NW_073de	0.734	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1068	NW_080de	0.8	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1069	NW_086de	0.866	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1070	NW_093de	0.933	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1071	NW_100de	1.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1072	NW_100de	0.0	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1073	ROY_100_100de	1.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1074	ROY_100_100de	0.0	0.0	0.0	0.0	25.4	0.0	0.0	0.0	0.0		360	1.0	1.0	95.6	0.0	0.0
1075	G50E_100_100de	0.0	1.0	1.0	1.0	45.6	0.0	0.0	0.0	0.0		375	1.0	0.0	45.6	80.0	25.4
1076	G50E_100_100de	1.0	1.0	1.0	1.0	55.0	0.0	0.0	0.0	0.0		375	1.0	0.0	55.0	72.2	34.4
1077	Y06E_100_100de	0.0	1.0	1.0	1.0	83.6	0.0	0.0	0.0	0.0		83	1.0	0.878	83.6	90.4	92.3
1078	B00E_100_100de	0.0	1.0	1.0	1.0	40.2	0.0	0.0	0.0	0.0		156	1.0	0.458	40.2	1.2	1.2
1079	B50E_100_100de	0.0	1.0	1.0	1.0	50.6	0.0	0.0	0.0	0.0		288	0.321	0.0	50.6	47.7	328.6