

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

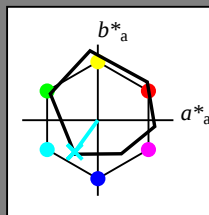
Data for any device (d) or elementary (e) colour:

HIC^*

hue text for the colours of this page:

$H^*_- = G50B_-$

triangle lightness T^*



ORS18a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

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

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

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

0.0 1.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

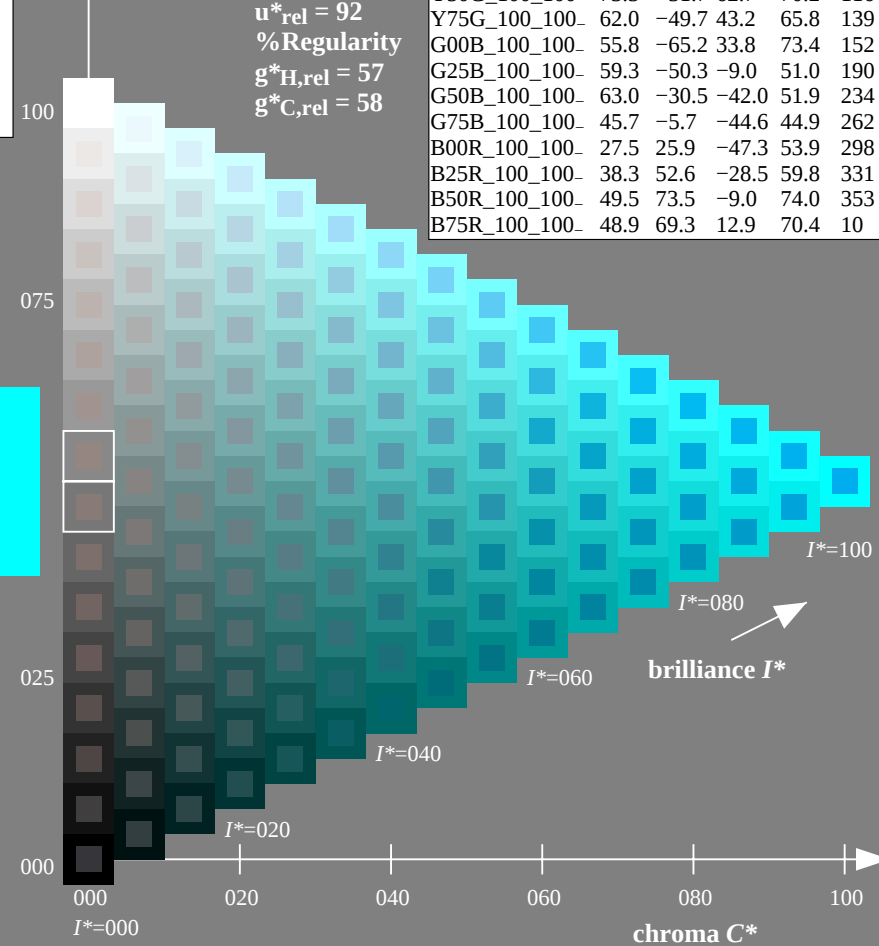
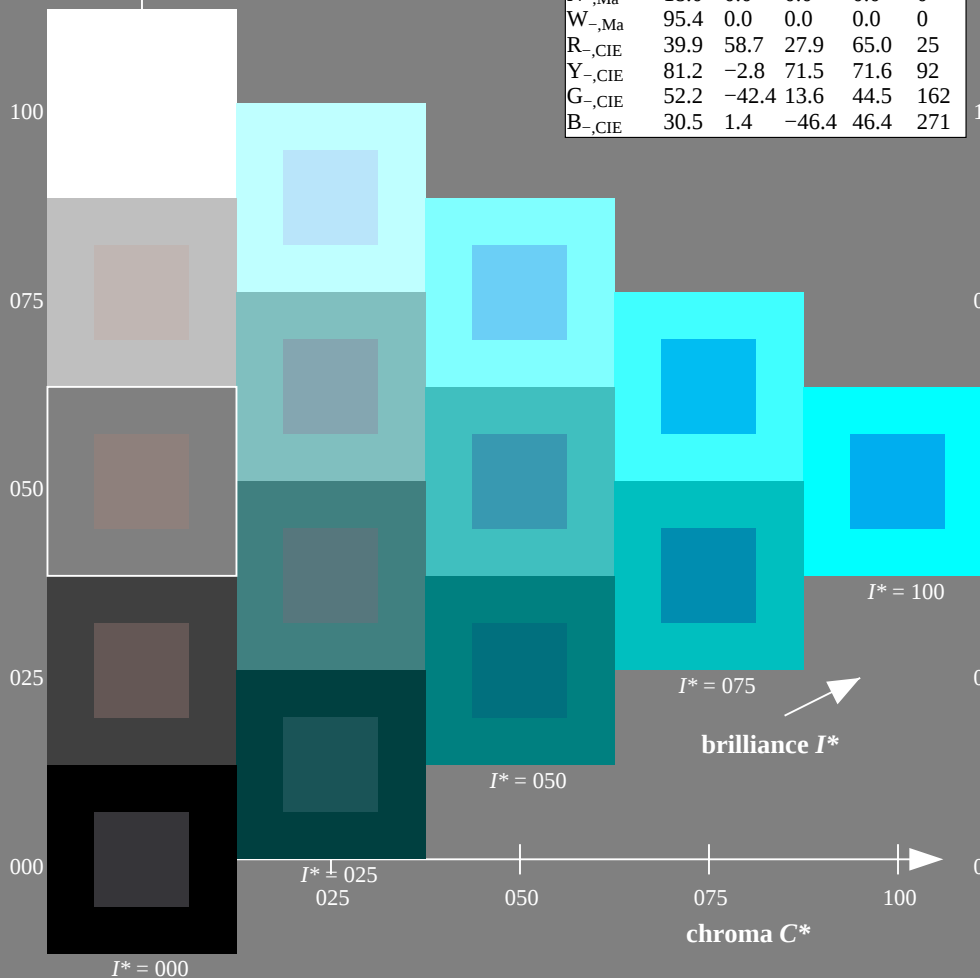
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

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



Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

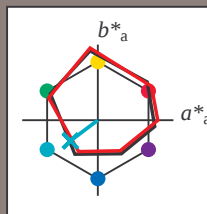
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = G50B_e$

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):

$LabCh^*_e, Ma: 55 \ -36 \ -27 \ 45 \ 216$

$HIC^*_e, Ma: G50B_100_100_e$

$rgbic^*_e, Ma:$

0.0 1.0 0.74 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

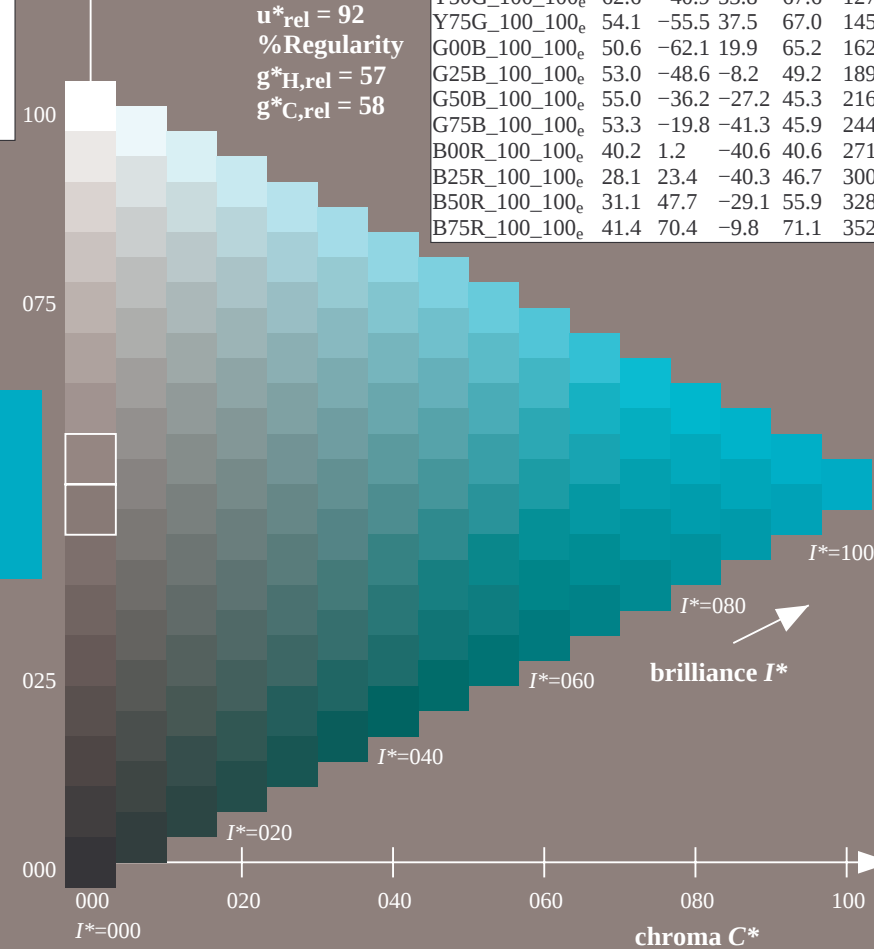
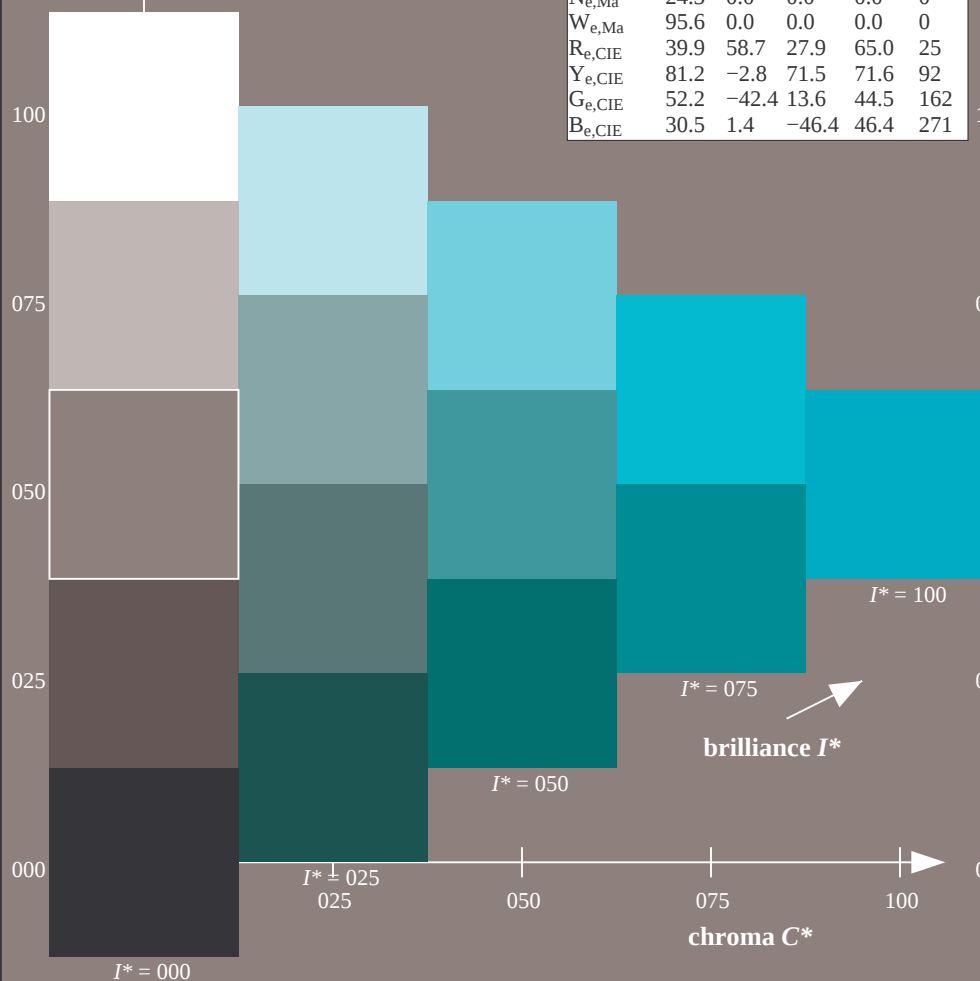
% Regularity

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

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

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 QE98; hue code: $H^*_e = G50B_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

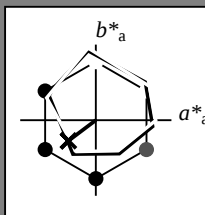
input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

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

 HIC^*_e

hue text for the colours of this page:

$$H^*_e = \text{G50B}_e$$
triangle lightness T^* 

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

Data for maximum colour (Ma):

LabCh*_e,Ma: 55 -36 -27 45 216

HIC*_{e, Ma}: G50B_100_100_e

*rqbic**e.Ma:

0.0 1.0 0.74 1.0 1.0

triangle lightness T^*

% Gamut

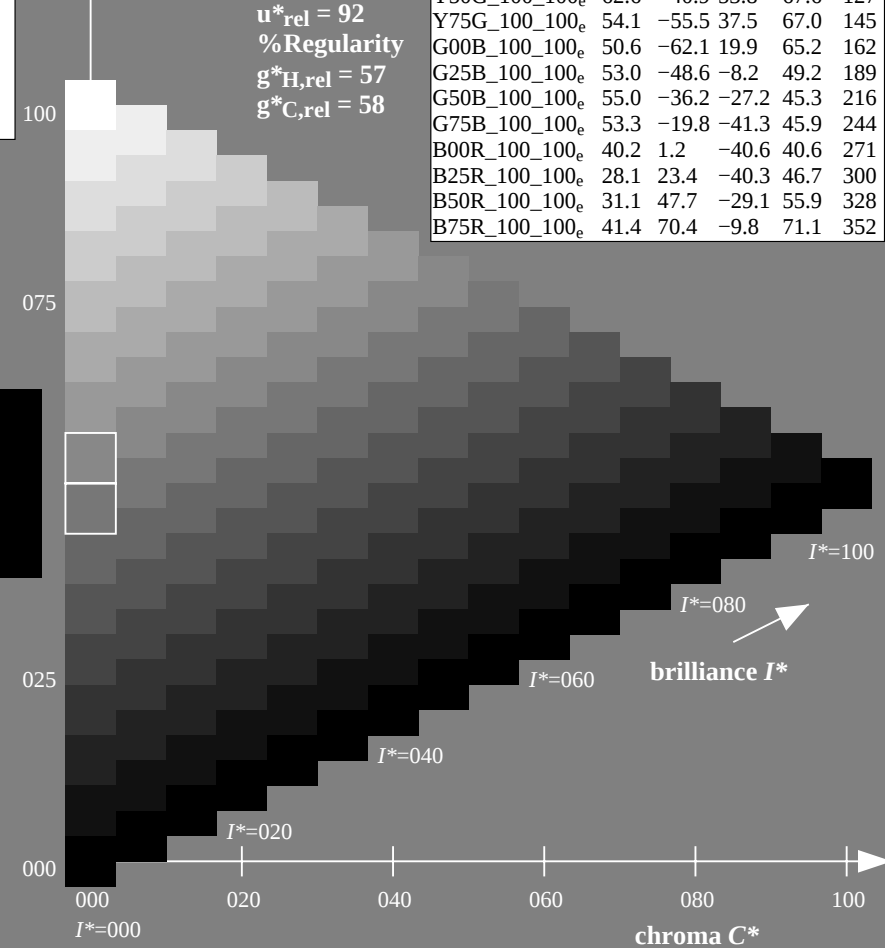
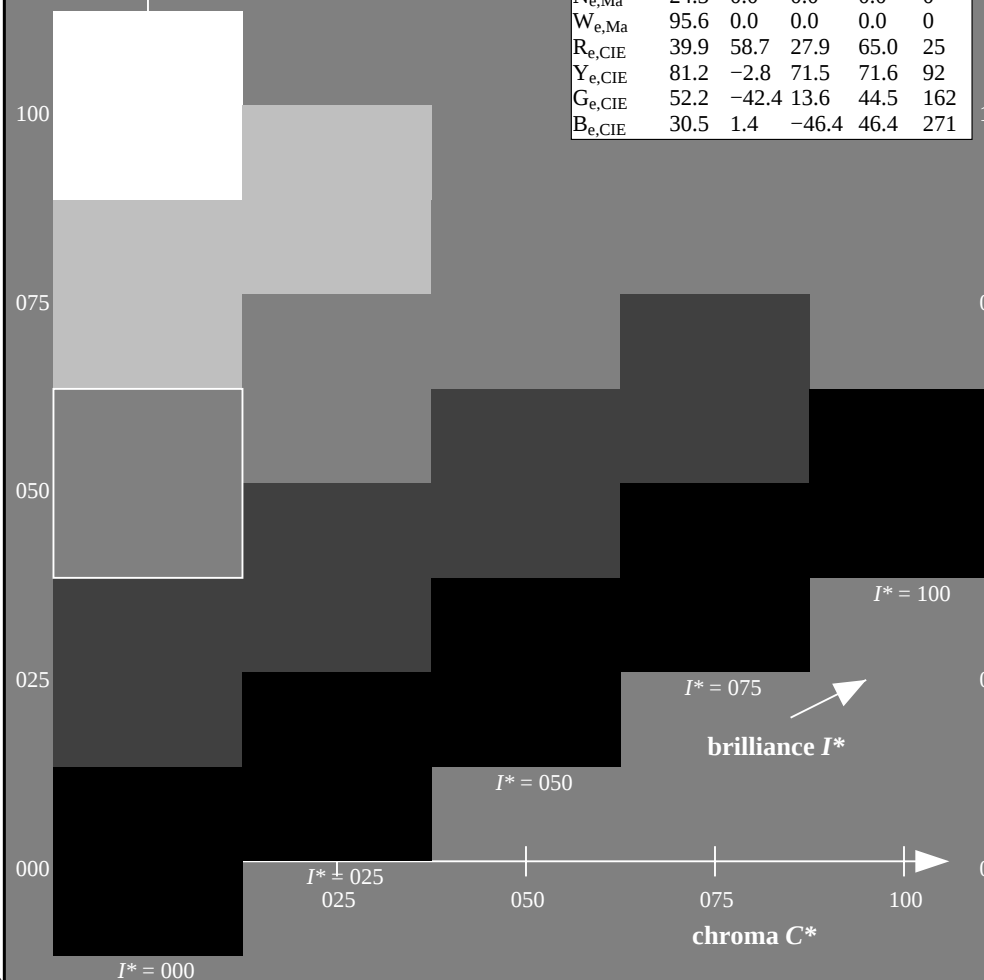
$$u^*_{rel} = 92$$

%Regularity

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

g°C,rel = 50

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



1-013231-L0 QE980-71

TUB-test chart QE98; hue code: $H^*_e = G50B_e$

Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: *rgb/cmyk* $\rightarrow$ *rgb_e*

output: transfer to *cmv0_e*

1-013231-F0

1-013231-F0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

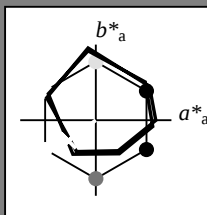
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = G50B_e$

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
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Data for maximum colour (Ma):

$LabCh^*_e, Ma: 55 \ -36 \ -27 \ 45 \ 216$

$HIC^*_e, Ma: G50B_100_100_e$

$rgbic^*_e, Ma:$

0.0 1.0 0.74 1.0 1.0

triangle lightness T^*

% Gamut

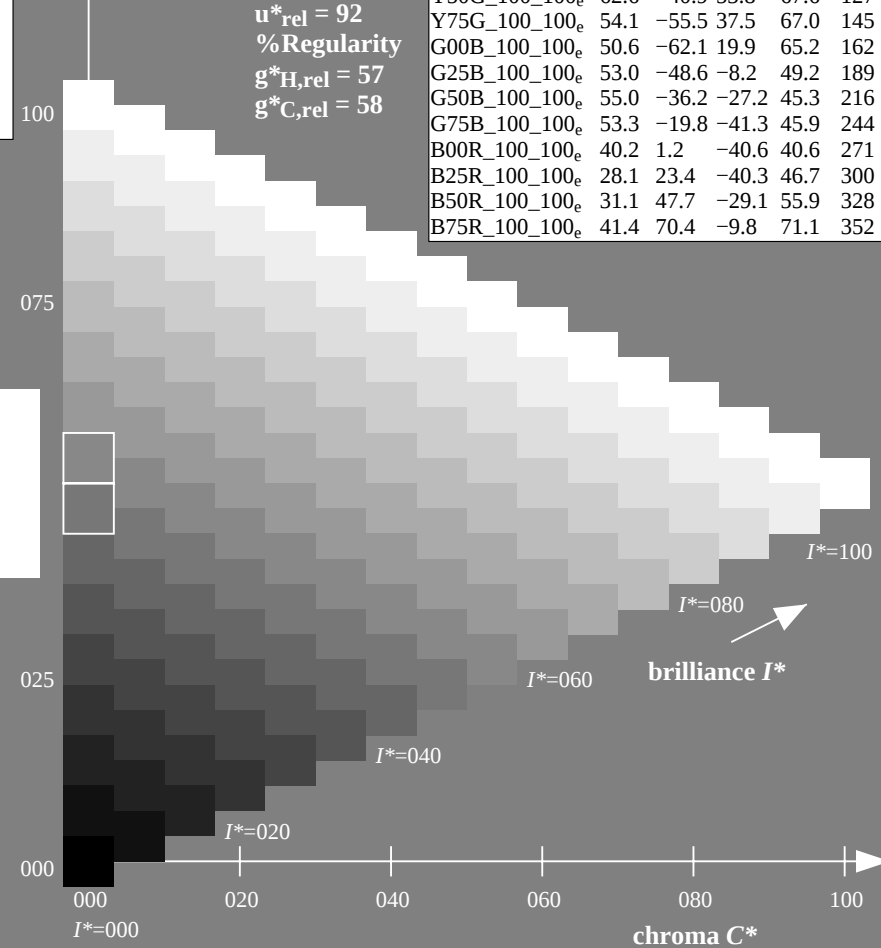
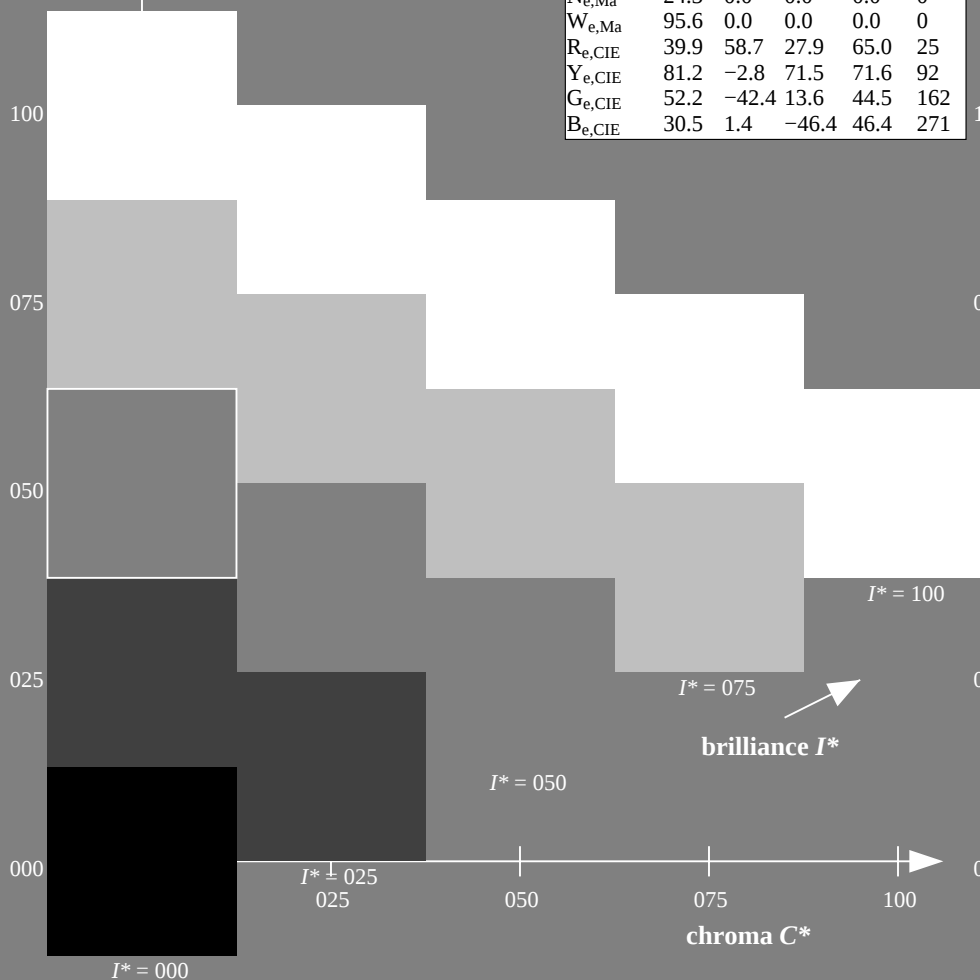
$u^*_{rel} = 92$

% 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
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$B25R_100_100_e$	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



1-013331-L0 QE980-71

TUB-test chart QE98; hue code: $H^*_e = G50B_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

TUB registration: 20130201-QE98/QE98L0NP.PDF /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

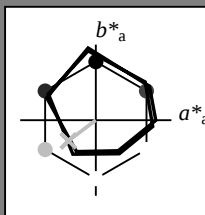
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HIC^*_e

hue text for the colours of this page:

$H^*_e = G50B_e$

triangle lightness T^*



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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):

$LabCh^*_e, Ma: 55 \ -36 \ -27 \ 45 \ 216$

$HIC^*_e, Ma: G50B_100_100_e$

$rgbic^*_e, Ma:$

0.0 1.0 0.74 1.0 1.0

triangle lightness T^*

% Gamut

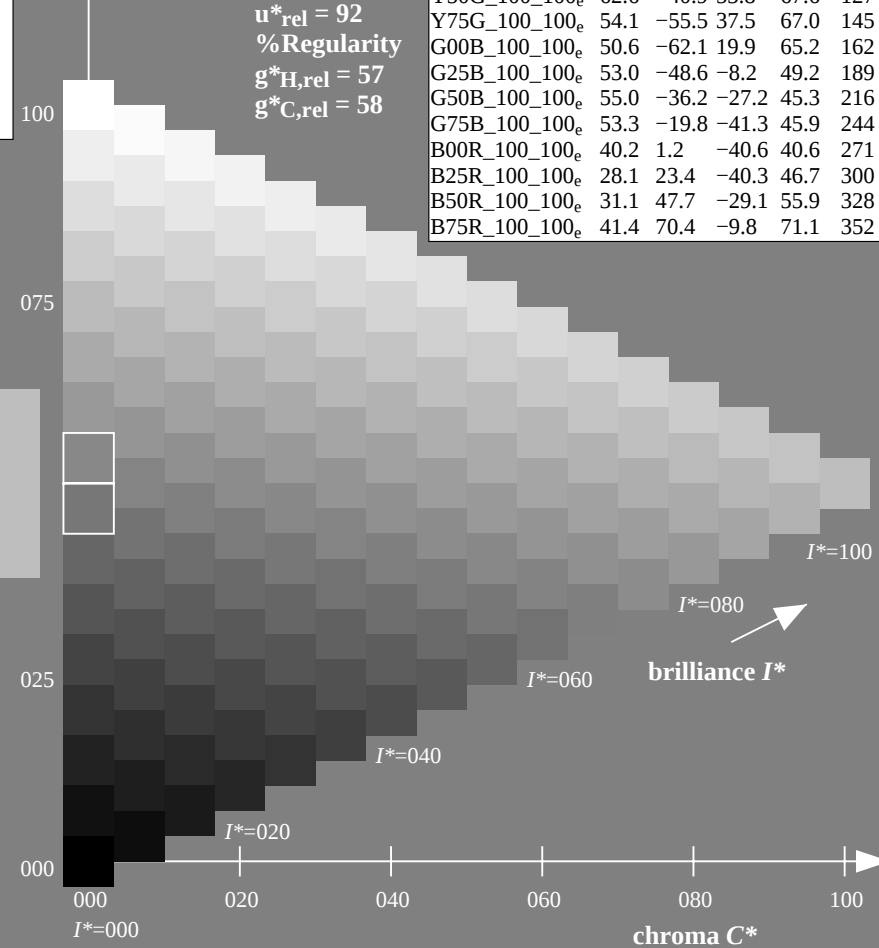
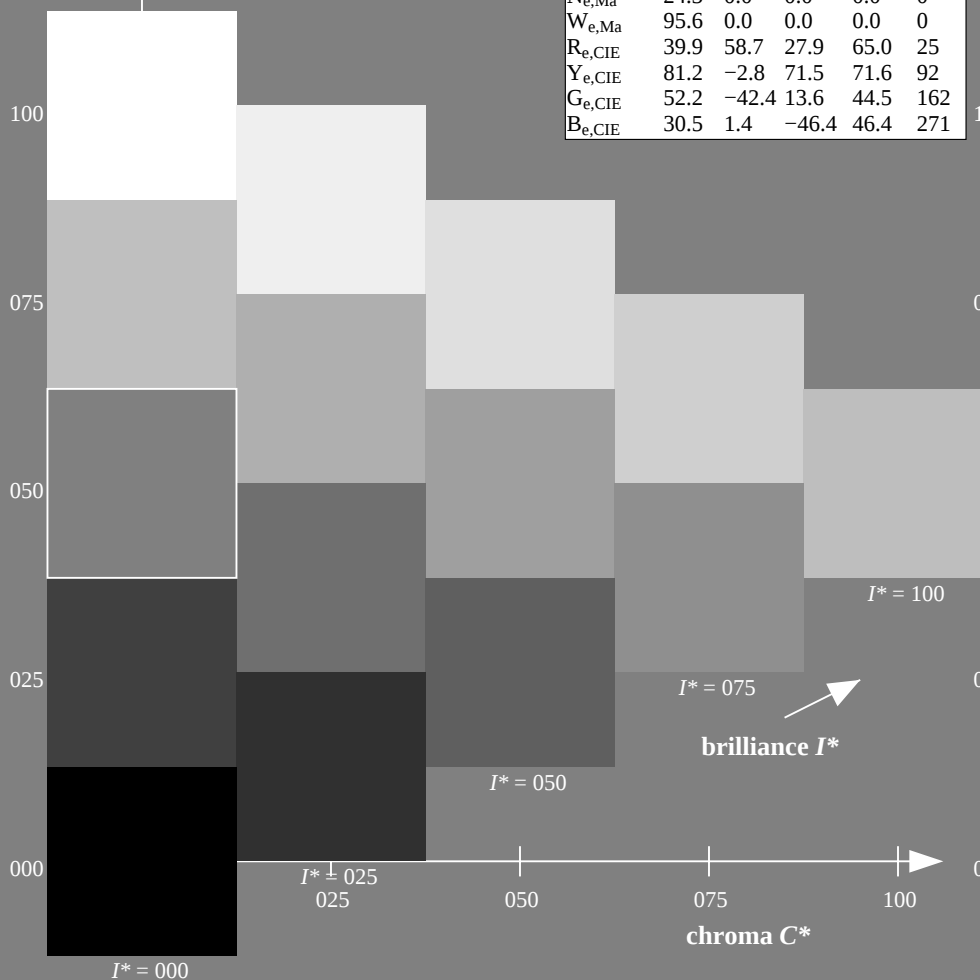
$u^*_{rel} = 92$

% Regularity

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

ORS20a; adapted (a) CIELAB data					
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$R25Y_100_100_e$	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
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TUB-test chart QE98; hue code: $H^*_e = G50B_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

http://130.149.60.45/~farbmetrik/QE98/QE98L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 6/33

TUB-test chart QE98; hue code: $H^*_e = G50B_e$
Test chart according to DIN 33872, 3D=0, de=1, $cmy0$

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

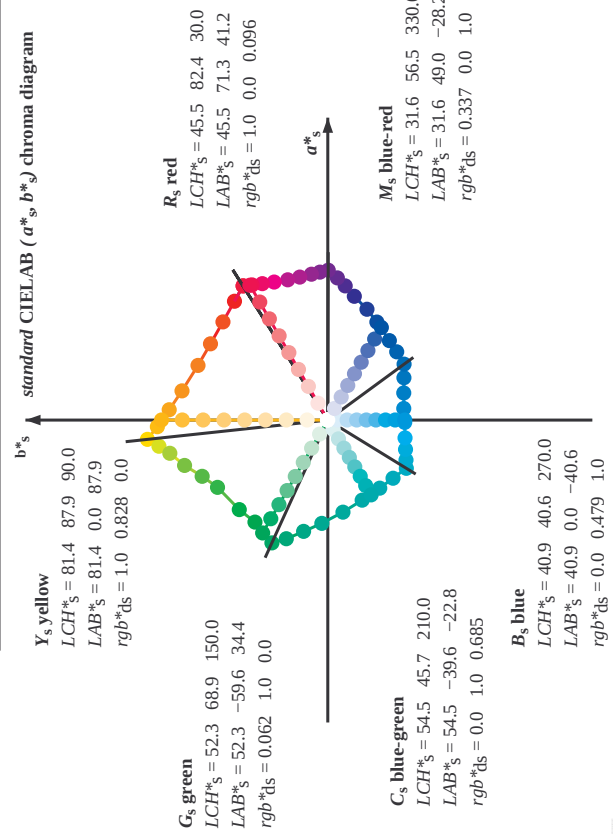
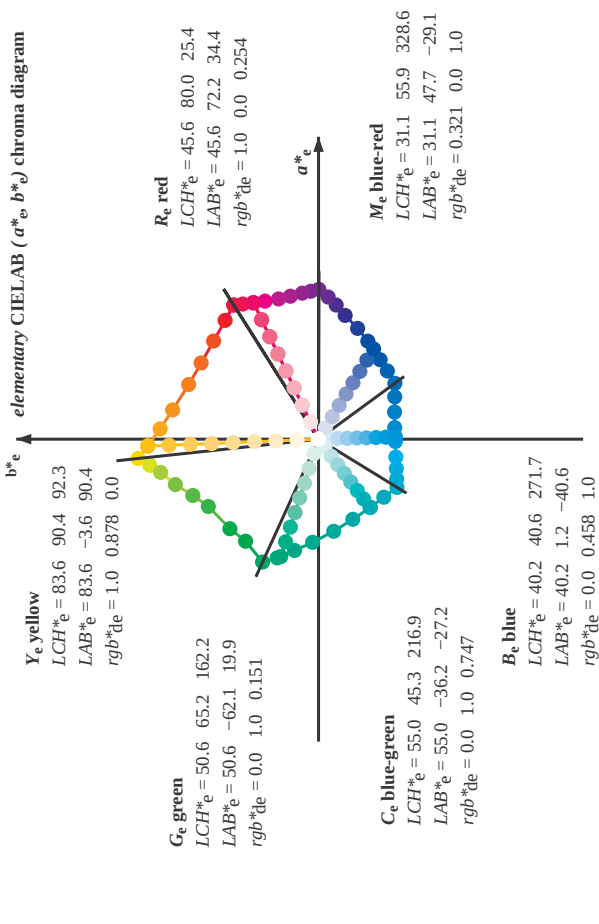
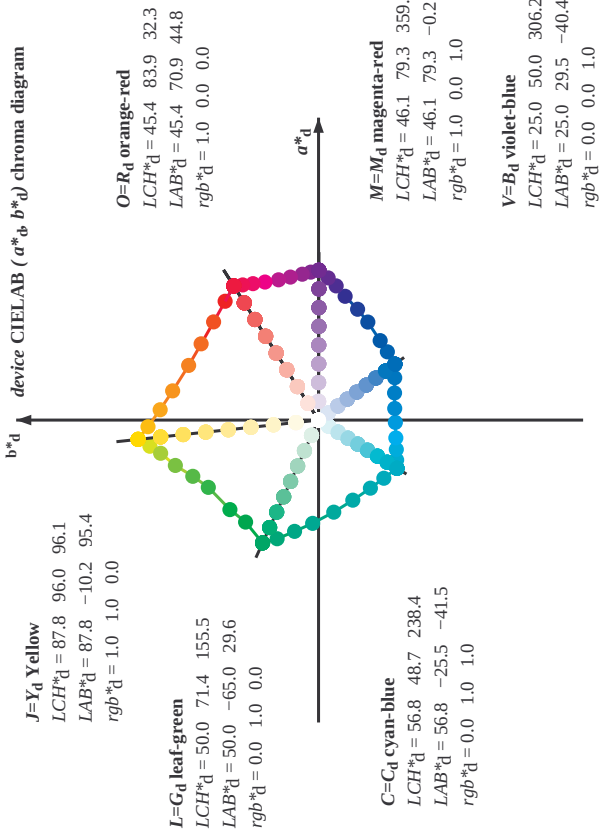
1-013531-L0 QE980-71

1-013531-E0

see similar files: <http://130.149.60.45/~farbmetrik/QE98/QE98.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



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 RYGBCM: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours RYGBCM: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBCM: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



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} use for any device values rgb^*_e the equation:
$$h_{ab,s} = \arctan \left[\frac{r^*_d \cos(30) + g^*_d \sin(30)}{1 / r^*_d \sin(30) + b^*_d \sin(270)} \right] \quad (1)$$
3. For the 48 or 360 equally spaced standard hue angles h_{ab} of the colours of maximum chroma use the seven hue angles of the 60 degree colours s : $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:
$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
4. For the 48 or 360 elementary hue angles h_{ab} of the colours of maximum chroma use the seven hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
5. For any elementary hue angle h_{ab} there is a well defined device hue angle $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4.
6. The values rgb^*_e produce the output of the device-independent elementary hues

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 RYCBM; c, h _{ab,d} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYCBM; c, h _{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYCBM; c, h _{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																																			
h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb**d64M	LAB**d4M (x=LabCh)	rgb**d361M	LAB**d361M (x=LabCh)	rgb**d361M	LAB**d361M (x=LabCh)	rgb**dex361M	LAB**dex361M	rgb**d361M	LAB**d361M (x=LabCh)	rgb**dex361M	LAB**dex361M	rgb**d361M	LAB**d361M (x=LabCh)	rgb**dex361M	LAB**dex361M	rgb**d361M	LAB**d361M (x=LabCh)	rgb**dex361M	LAB**dex361M	rgb**d361M	LAB**d361M (x=LabCh)	rgb**dex361M	LAB**dex361M	rgb**d361M	LAB**d361M (x=LabCh)	rgb**dex361M	LAB**dex361M					
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.9	83.9	32.3	1.0	0.0	0.0	45.5	71.4	81.2	82.4	30	1.0	0.0	0.096	45.5	71.4	81.2	82.4	30	1.0	0.0	0.255	45.7	72.2	34.4	80.0	25	
32.3	30.0	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	1.0	0.117	0.0	48.7	63.4	41.6	48.6	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	0.025	0.0	53.6	51.9	55.5	76.0	46.8	1.0	0.025	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	0.0375	0.0	59.1	40.3	62.0	74.0	56.9	1.0	0.367	0.0	58.8	41.1	61.7	74.2	56	1.0	0.313	0.0	56.5	46.2	59.1	75.0	52	1.0	0.288	0.0	55.4	48.5	57.8	75.4	49	
67.1	60.0	58.8	1.0	0.05	0.0	64.9	28.9	68.6	74.5	67.1	1.0	0.05	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	
67.6	67.5	67.2	1.0	0.0625	0.0	72.1	15.4	77.1	78.6	78.6	1.0	0.0617	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	0.075	0.0	77.9	5.4	83.8	84.0	86.2	1.0	0.075	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	0.0875	0.0	83.4	-3.4	90.2	90.2	92.1	1.0	0.0867	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	0.1	0.0	87.8	-10.2	95.4	96.0	96.1	1.0	0.1	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	0.0	0.0875	1.0	84.3	-13.9	89.2	90.3	98.8	0.0	0.0883	1.0	84.6	-13.6	89.7	90.7	98	0.0	0.959	1.0	86.7	-11.4	93.5	94.2	97	0.0	0.807	1.0	82.4	-15.8	86.2	87.7	100	
101.8	105.0	109.7	0.0	0.1	0.0	80.7	-17.5	83.3	85.3	101.8	0.0	0.075	1.0	80.8	-17.4	83.6	85.4	101	0.0	0.682	1.0	80.7	-21.2	79.4	82.2	105	0.0	0.583	1.0	73.7	-26.1	72.7	77.3	109	
107.6	112.5	118.5	0.0	0.0625	1.0	75.3	-24.0	75.7	79.4	107.6	0.0	0.633	1.0	75.7	-23.6	76.3	79.9	107	0.0	0.54	1.0	72.1	-28.0	69.5	75.0	112	0.0	0.434	1.0	68.0	-32.9	62.2	70.5	117	
114.0	120.0	127.2	0.0	0.05	1.0	70.6	-29.7	66.5	72.8	114.0	0.0	0.05	1.0	70.6	-29.6	66.5	72.8	114	0.0	0.399	1.0	66.7	-34.5	59.9	69.2	120	0.0	0.322	1.0	62.6	-40.8	53.8	67.6	127	
119.3	120.0	127.2	0.0	0.0625	1.0	70.6	-29.7	66.5	72.8	119.3	0.0	0.0625	1.0	70.6	-29.6	66.5	72.8	119	0.0	0.399	1.0	66.7	-34.5	59.9	69.2	120	0.0	0.322	1.0	62.6	-40.8	53.8	67.6	127	
121.4	127.5	136.0	0.0	0.075	1.0	65.7	-35.6	58.3	68.3	121.4	0.0	0.383	1.0	66.1	-35.2	58.9	68.6	120	0.0	0.325	1.0	62.8	-40.6	54.0	67.6	127	0.0	0.249	1.0	58.4	-47.4	46.8	66.6	135	
135.3	135.0	144.7	0.0	0.084	1.0	58.4	-47.3	46.8	66.6	135.3	0.0	0.084	1.0	58.4	-47.3	46.9	66.6	135	0.0	0.253	1.0	58.6	-47.0	47.1	66.7	135	0.0	0.122	1.0	54.6	-54.2	38.4	66.5	144	
144.4	142.5	153.4	0.0	0.0547	1.0	54.7	-53.9	38.5	66.3	144.4	0.0	0.133	1.0	55.0	-53.5	39.2	66.4	143	0.0	0.159	1.0	55.7	-52.3	40.9	66.4	142	0.0	0.03	1.0	51.2	-62.4	32.0	70.2	152	
155.5	150.0	162.2	0.0	0.1	0.0	50.0	-65.0	29.6	71.4	155.5	0.0	0.1	0.0	50.1	-64.9	29.6	71.4	155	0.0	0.062	1.0	52.4	-59.6	34.5	68.9	150	0.0	0.151	50.7	-62.0	19.9	65.2	162		
160.7	157.5	169.0	0.0	0.125	0.0	50.0	-65.0	29.6	71.4	160.7	0.0	0.125	0.0	50.1	-64.9	29.6	71.4	160	0.0	0.062	1.0	52.4	-59.6	34.5	68.9	150	0.0	0.151	50.7	-62.0	19.9	65.2	162		
167.7	165.0	175.9	0.0	0.1	0.0	50.0	-65.0	29.6	71.4	167.7	0.0	0.1	0.0	50.1	-64.9	29.6	71.4	167	0.0	0.062	1.0	52.4	-59.6	34.5	68.9	150	0.0	0.151	50.7	-62.0	19.9	65.2	162		
176.7	172.5	182.7	0.0	0.375	2.0	1.0	37.5	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	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
183.3	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	-48.7	-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	
189.2	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	-41.1	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	55.5	-36.1	-27.2	45.3	217	0.0	1.0	0.819	55.5	-33.2	-31.3	45.8	223	
249.3	225.0	230.6	0.0	0.75	1.0	50.4	-15.5	-41.1	43.9	249.3	0.0	0.75	1.0	50.4	-15.4	-41.0	44.0	249	0.0	1.0	0.837	55.6	-32.4	-32.4	45.9	225	0.0	1.0	0.904	56.1	-29.6	-36.1	46.8	230	
256.9	232.5	237.5	0.0	0.625	1.0	46.5	-9.4	-40.8	41.9	256.9	0.0	0.633	1.0	46.8	-9.8	-40.8	42.1	256	0.0	1.0	0.92	56.2	-28.9	-37.0	47.1	232	0.0	1.0	0.983	56.7	-26.2	-40.5	48.4	237	
268.2	240.0	244.3	0.0	0.5	1.0	41.7	-1.2	-40.6	40.6	268.2	0.0	0.5	1.0	41.7	-1.1	-40.6	40.7	268	0.0	0.956	1.0	55.9	-23.9	-41.4	48.0	240	0.0	0.847	1.0	53.3	-19.8	-41.3	45.9	244	
278.6	247.5	251.2	0.0	0.375	1.0	37.3	6.1	-40.2	40.7	278.6	0.0	0.383	1.0	37.6	5.6	-40.2	40.7	277	0.0	0.795	1.0	51.8	-17.4	-41.2	44.9	247	0.0	0.726	1.0	49.7	-14.3	-41.1	43.6	250	
289.6	255.0	258.0	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289.6	0.0	0.25	1.0	32.9	14.4	-40.1	42.7	289	0.0	0.657	1.0	47.5	-10.9	-40.9	42.5	255	0.0	0.613	1.0	46.1	-8.6	-40.8	41.9	258	
299.0	262.5	264.8	0.0	0.125	1.0	28.6	22.4	-40.2	46.1	299.0	0.0	0.133	1.0	28.9	21.9	-40.2	45.9	298	0.0	0.569	1.0	44.4	-5.7	-40.9	41.4	262	0.0	0.542	1.0	43.4	-3.9	-40.8	41.1	264	
306.2	270.0	271.7	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2	0.0	0.0	1.0	25.1	29.6	-40.3	50.1	306	0.0	0.479	1.0	41.0	0.0	-40.6	40.7	270	0.0	0.458	1.0	40.3	1.2	-40.6	40.7	271	
314.7	277.5	278.8	0.0	0.125	0.0	27.9	36.0	-36.4	51.2	314.7	0.0	0.117	0.0	27.7	35.7	-36.6	51.2	314	0.0	0.395	1.0	38.1	5.0	-40.3	40.7	277	0.0	0.378	1.0	37.5	5.9	-40.2	40.7	278	
322.1	285.0	285.9	0.0	0.25	0.0	28.8	41.9	-32.5	53.1	322.1	0.0	0.25	0.0	28.9	42.0	-32.5	53.2	322	0.0	0.303	1.0	34.8	10.8	-40.3	41.9	285	0.0	0.291	1.0	34.4	11.6	-40.3	42.0	285	
333.3	292.5	293.0	0.0	0.375	0.0	32.7	51.8	-26.0	58.0	333.3	0.0	0.367	0.0	32.5	51.3	-26.5	57.7	332	0.0	0.219	1.0	31.8	16.3	-40.3	43.6	292	0.0	0.211	1.0	31.5	16.8	-40.3	43.8	292	
340.5	300.0	300.1	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340.5	0.5	0.0	1.0	35.6	58.6	-20.6	62.2	340	0.0	0.109	1.														

Output: Offset standard print; separation cmy0*, D65, page 8/33

input: *rgb/cmyk* → *rgb*
output: transfer to *cmy0e*

TUB-test chart QE98; hue code: $H^*_e = G50B_e$
48 step hue circles; *rgb-LabCh** tables



TUB registration: 20130201-QE98/QE98L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

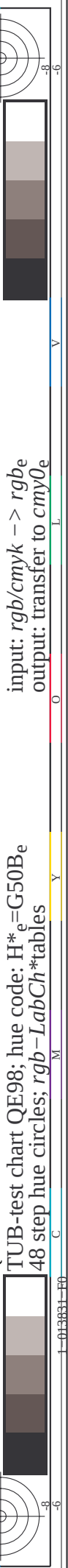
Six hue angles of the device colours RYGBM; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Six hue angles of the device colours RYGBM; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$			Six hue angles of the elementary colours RYGBM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$		
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$
32.3	30.0	25.4	1.0	0.0	0.0
38.1	37.5	33.8	1.0	0.021	0.0
46.8	45.0	42.1	1.0	0.183	0.0
56.9	52.5	50.5	1.0	0.375	0.0
67.1	60.0	58.8	1.0	0.5	0.0
78.6	67.5	67.2	1.0	0.625	0.0
86.2	75.0	75.6	1.0	0.75	0.0
92.1	82.5	83.9	1.0	0.875	0.0
96.1	90.0	92.3	1.0	1.0	0.0
98.8	97.5	101.0	0.0	0.875	1.0
101.8	105.0	109.7	0.0	0.75	1.0
107.6	112.5	118.5	0.0	0.625	1.0
114.0	120.0	127.2	0.0	0.5	1.0
121.4	127.5	136.0	0.0	0.375	1.0
135.3	135.0	144.7	0.0	0.25	1.0
144.4	142.5	153.4	0.0	0.125	1.0
155.5	150.0	162.2	0.0	0.0	1.0
160.7	157.5	169.0	0.0	0.125	0.0
167.7	165.0	175.9	0.0	0.25	0.0
176.7	172.5	182.7	0.0	0.375	0.0
189.3	180.0	189.6	0.0	0.5	0.0
203.2	187.5	196.4	0.0	0.625	0.0
217.2	195.0	203.2	0.0	0.75	0.0
228.3	202.5	210.1	0.0	0.875	0.0
238.4	210.0	216.9	0.0	1.0	0.0
242.9	215.0	223.8	0.0	0.875	1.0
249.3	220.0	230.6	0.0	0.75	1.0
256.9	225.0	237.5	0.0	0.625	1.0
268.2	240.0	244.3	0.0	0.5	1.0
278.6	247.5	251.2	0.0	0.375	1.0
289.6	255.0	258.0	0.0	0.25	1.0
299.0	262.5	264.8	0.0	0.125	1.0
306.2	270.0	271.7	0.0	0.0	1.0
314.7	277.5	278.8	0.0	0.125	0.0
322.1	285.0	285.9	0.0	0.25	0.0
333.3	292.5	293.0	0.0	0.375	0.0
340.5	300.0	300.1	0.0	0.5	0.0
347.9	307.5	307.2	0.0	0.625	0.0
352.5	315.0	314.3	0.0	0.75	0.0
356.1	322.5	321.4	0.0	0.875	0.0
359.8	330.0	328.6	0.0	1.0	0.0
363.0	337.5	335.7	0.0	0.875	1.0
366.4	345.0	342.8	0.0	0.75	1.0
371.1	352.5	349.9	0.0	0.625	1.0
375.9	360.0	357.0	0.0	0.5	1.0
381.2	367.5	364.1	0.0	0.375	1.0
385.6	375.0	371.2	0.0	0.25	1.0
389.3	382.5	378.3	0.0	0.125	1.0
392.3	390.0	385.4	0.0	0.0	1.0

see similar files: <http://130.149.60.45/~farbmatrik/QE98/QE98.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

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





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^*_d	LAB^*_d	rgb^*_s	LAB^*_s	rgb^*_e	LAB^*_e	rgb^*_{ds}	LAB^*_{ds}	rgb^*_{se}	LAB^*_{se}	rgb^*_{de}	LAB^*_{de}	rgb^*_{de}	LAB^*_{de}	rgb^*_{de}	LAB^*_{de}				
32	30	25	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32	R_d	1.0	0.0	0.0096	45.5	71.2	41.2	82.4				
33	31	26	1.0	0.016	0.0	45.9	69.8	45.5	83.4	33	1.0	0.0	0.055	45.5	71.4	41.2	82.4	83.1				
33	32	27	1.0	0.033	0.0	46.3	68.8	46.1	82.8	33	1.0	0.0	0.013	45.5	71.0	44.4	83.7	32				
34	33	28	1.0	0.005	0.0	46.8	67.7	46.8	82.3	34	1.0	0.0015	0.0	45.9	70.0	45.5	83.5	33				
35	34	29	1.0	0.066	0.0	47.3	66.6	47.4	81.8	35	1.0	0.036	0.0	46.5	68.6	46.3	82.8	34				
36	35	31	1.0	0.083	0.0	47.7	65.5	48.0	81.2	36	1.0	0.057	0.0	47.1	67.3	47.1	82.1	35				
36	36	32	1.0	0.1	0.0	48.2	64.4	48.5	80.7	36	1.0	0.079	0.0	47.6	65.9	47.9	81.4	36				
37	37	33	1.0	0.116	0.0	48.6	63.3	49.1	80.2	37	1.0	0.1	0.0	48.2	64.5	48.6	80.7	37				
38	38	34	1.0	0.133	0.0	49.2	62.1	49.8	79.6	38	1.0	0.121	0.0	48.8	63.1	49.3	80.1	38				
39	39	35	1.0	0.15	0.0	49.8	60.7	50.7	79.1	39	1.0	0.137	0.0	49.4	61.8	50.1	79.6	39				
41	40	36	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41	1.0	0.151	0.0	49.9	60.6	50.9	79.1	40				
42	41	37	1.0	0.183	0.0	51.1	57.8	52.5	78.1	42	1.0	0.166	0.0	50.5	59.4	51.6	78.7	41				
43	42	38	1.0	0.2	0.0	51.7	56.3	53.3	77.5	43	1.0	0.18	0.0	51.0	58.1	52.3	78.2	42				
44	43	39	1.0	0.216	0.0	52.4	54.9	54.0	77.0	44	1.0	0.194	0.0	51.6	56.9	53.0	77.8	43				
45	44	41	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45	1.0	0.209	0.0	52.1	55.6	53.7	77.3	44				
46	45	42	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46	1.0	0.223	0.0	52.7	54.4	54.7	76.9	45				
48	46	43	1.0	0.266	0.0	54.4	50.4	56.5	75.7	48	1.0	0.237	0.0	53.2	53.1	55.0	76.4	46				
49	47	44	1.0	0.283	0.0	55.1	48.9	57.4	75.4	49	1.0	0.251	0.0	53.7	51.8	55.6	76.0	47				
50	48	45	1.0	0.3	0.0	55.8	47.4	58.4	75.2	50	1.0	0.264	0.0	54.3	50.7	56.3	75.8	48				
52	49	46	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52	1.0	0.276	0.0	54.8	49.6	57.1	75.6	49				
53	50	47	1.0	0.333	0.0	57.3	44.2	60.1	74.6	53	1.0	0.288	0.0	55.4	48.5	57.8	75.4	50				
54	51	48	1.0	0.35	0.0	58.0	42.7	60.9	74.4	54	1.0	0.301	0.0	55.9	47.3	58.5	75.2	51				
56	52	49	1.0	0.366	0.0	58.8	41.1	61.7	74.1	56	1.0	0.313	0.0	56.5	46.2	59.1	75.0	52				
57	53	51	1.0	0.383	0.0	59.5	39.5	62.5	74.0	57	1.0	0.326	0.0	57.0	45.0	59.8	74.8	53				
59	54	52	1.0	0.4	0.0	60.3	38.1	63.5	74.1	59	1.0	0.338	0.0	57.6	43.9	60.4	74.6	54				
60	55	53	1.0	0.416	0.0	61.0	36.6	64.5	74.1	60	1.0	0.35	0.0	58.1	42.7	61.0	74.4	55				
61	56	54	1.0	0.433	0.0	61.8	35.1	65.4	74.2	61	1.0	0.363	0.0	58.6	41.5	61.5	74.2	56				
63	57	55	1.0	0.45	0.0	62.6	33.6	66.2	74.3	63	1.0	0.375	0.0	59.2	40.3	62.1	74.0	57				
64	58	56	1.0	0.466	0.0	63.3	32.0	67.1	74.4	64	1.0	0.387	0.0	59.8	39.3	62.8	74.1	58				
65	59	57	1.0	0.483	0.0	64.1	30.5	67.9	74.4	65	1.0	0.4	0.0	60.3	38.2	63.5	74.1	59				
67	60	58	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67	1.0	0.412	0.0	60.9	37.1	64.2	74.2	60				
68	61	60	1.0	0.516	0.0	65.8	27.2	69.9	75.0	68	1.0	0.424	0.0	61.4	36.0	64.9	74.2	61				
70	62	61	1.0	0.533	0.0	66.8	25.5	71.1	75.6	70	1.0	0.436	0.0	62.0	34.9	65.6	74.3	62				
71	63	62	1.0	0.55	0.0	67.7	23.8	72.3	76.1	71	1.0	0.449	0.0	62.6	33.7	66.2	74.3	63				
73	64	63	1.0	0.566	0.0	68.7	22.0	73.5	76.7	73	1.0	0.461	0.0	63.1	32.6	66.9	74.4	64				
74	65	64	1.0	0.583	0.0	69.7	20.2	74.6	77.3	74	1.0	0.473	0.0	63.7	31.5	67.5	74.4	65				
76	66	65	1.0	0.6	0.0	70.6	18.3	75.6	77.8	76	1.0	0.486	0.0	64.2	30.3	68.0	74.5	66				
77	67	66	1.0	0.616	0.0	71.6	16.4	76.6	78.4	77	1.0	0.498	0.0	64.8	29.1	68.6	74.5	67				
79	68	67	1.0	0.633	0.0	72.5	14.8	77.6	79.0	79	1.0	0.509	0.0	65.4	28.0	69.4	74.8	68				
80	69	68	1.0	0.65	0.0	73.2	13.6	78.5	79.7	80	1.0	0.52	0.0	66.1	26.9	70.2	75.2	69				
81	70	70	1.0	0.666	0.0	74.0	12.3	79.5	80.4	81	1.0	0.531	0.0	66.7	25.8	71.0	75.6	70				
82	71	71	1.0	0.683	0.0	74.8	11.0	80.4	81.1	82	1.0	0.542	0.0	67.3	24.7	71.8	75.9	71				
83	72	72	1.0	0.7	0.0	75.6	9.6	81.3	81.9	83	1.0	0.553	0.0	67.9	23.6	72.6	76.3	72				
84	73	73	1.0	0.716	0.0	76.3	8.3	82.2	82.6	84	1.0	0.564	0.0	68.6	22.4	73.3	76.6	73				
85	74	74	1.0	0.733	0.0	77.1	6.9	83.0	83.3	85	1.0	0.574	0.0	69.2	21.2	74.0	77.0	74				
												1.0	0.585	0.0	69.8	20.0	74.7	77.4	75	1.0	0.75	0.0

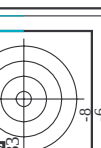
Input: $rgb/cmyk \rightarrow rgb_e$
Output: transfer to $cmy0_e$

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



TUB registration: 20130201-QE98/QE98L0NP.PDF /.PS
- application for measurement of offset print output, separate

TUB material: code=rha4ta
ny0 (CMY0)



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

55.6, 0.0, 0.0
input: *rgb/cmyk* -> *rgb*
output: transfer to *cmy* θ_e

B_e 04.8, LAB*nw=24.4, 0.0, 0.0, 0.0, 9

code: H_e=G50-*LabCh**tables

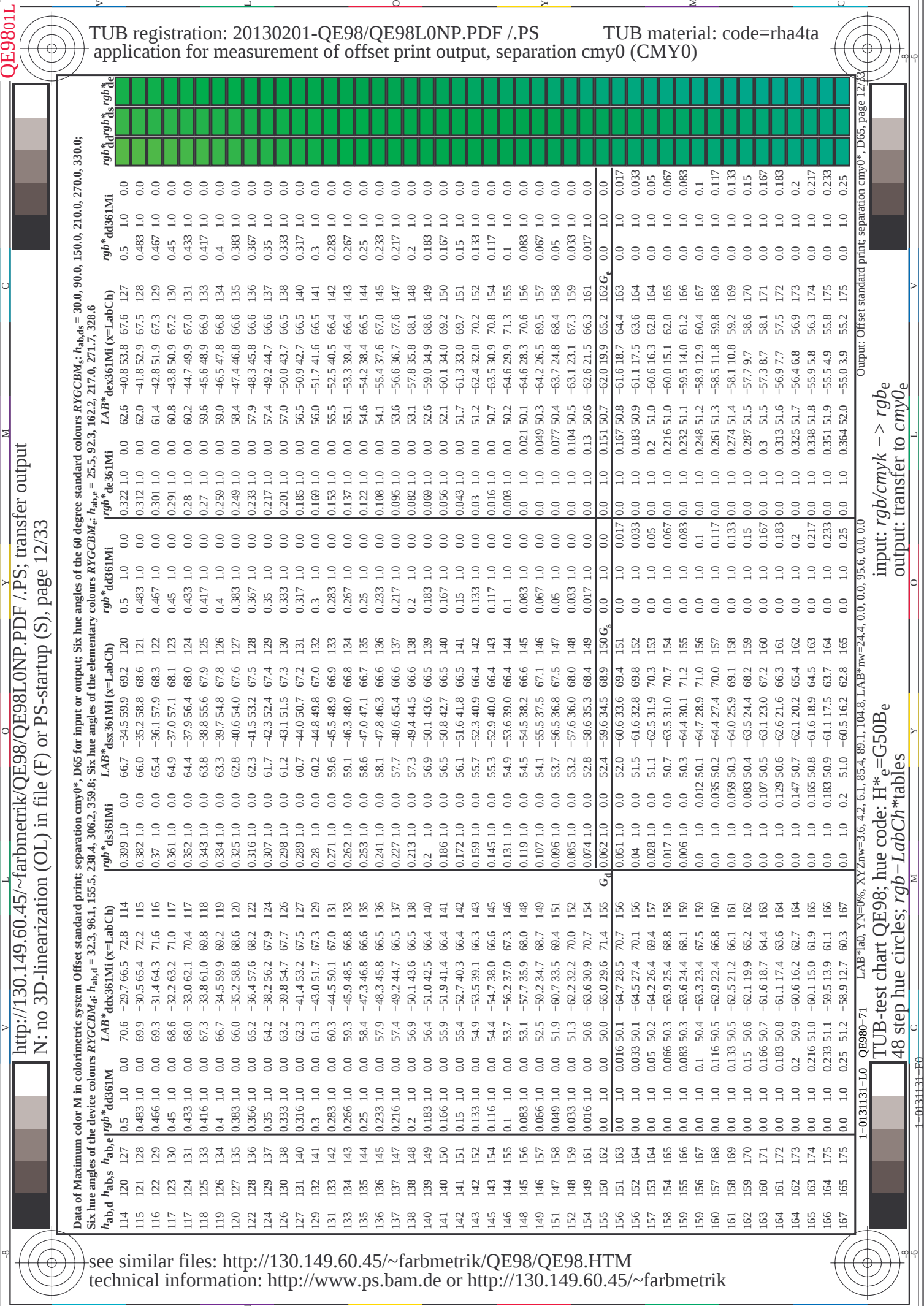
71 LAB*1a0, YN=0%, XY=0%
-test chart QE98; h
-p hue circles; rgb-

1-0131031-L0	QE980-	TUB-48 steel
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A target diagram with a vertical line and a shaded area. The vertical line is on the left, and the shaded area is on the right. The shaded area is divided into two horizontal sections: a top section with a light gray background and a bottom section with a dark gray background. The vertical line passes through the center of the target, which is marked with concentric circles.

see similar files: <http://130.149.60.45/~farbmatrik/QE98/QE98.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

Six hue angles of the device colours $RYGCBM$; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours $RYGCBM$; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																																														
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{d0361M}	LAB^*_{d0361M}	$LAB^*_{d0361M}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$	rgb^*_{d361Mi}	$LAB^*_{d361Mi}(x=LabCh)$													
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	87.3	-10.2	95.4	96.0	96	1.0	0.829	0.0	81.4	0.0	88.0	88.0	90	1.0	1.0	0.0	1.0	0.879	0.0	83.6	-3.6	90.4	90.5	92	1.0	1.0	0.0	1.0	0.879	0.0	83.6	-3.6	90.4	90.5	92	1.0	1.0	0.0			
96	91	93	0.983	1.0	0.0	87.8	-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	1.0	0.983	1.0	0.0	0.916	0.0	84.9	-5.5	92.0	92.2	93	1.0	0.983	1.0	0.0		
96	92	94	0.966	1.0	0.0	86.8	-11.2	93.8	94.5	96	1.0	0.871	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	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	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	1.0	0.961	1.0	0.0	86.7	-11.3	93.6	94.3	96	0.933	1.0	0.0	1.0	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	1.0	0.907	1.0	0.0	85.3	-12.9	90.9	91.8	98	0.917	1.0	0.0	1.0	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	1.0	0.856	1.0	0.0	83.8	-14.4	88.4	89.6	99	0.9	1.0	0.0	1.0	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	1.0	0.959	1.0	0.0	86.7	-11.4	93.5	94.2	97	0.883	1.0	0.0	1.0	0.807	1.0	0.0	82.4	-15.8	86.2	87.7	100	0.883	1.0	0.0	1.0	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	1.0	0.914	1.0	0.0	85.4	-12.7	91.2	92.1	98	0.867	1.0	0.0	1.0	0.759	1.0	0.0	81.0	-17.2	84.0	85.7	101	0.867	1.0	0.0	1.0	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	1.0	0.869	1.0	0.0	84.2	-14.0	89.0	90.1	99	0.85	1.0	0.0	1.0	0.729	1.0	0.0	79.9	-18.6	82.3	84.4	102	0.85	1.0	0.0	1.0	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	1.0	0.827	1.0	0.0	83.0	-15.3	87.1	88.5	100	0.833	1.0	0.0	1.0	0.704	1.0	0.0	78.8	-20.0	80.8	83.2	103	0.833	1.0	0.0	1.0	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	1.0	0.785	1.0	0.0	81.8	-16.5	85.2	86.8	101	0.817	1.0	0.0	1.0	0.679	1.0	0.0	77.7	-21.3	79.2	82.0	105	0.817	1.0	0.0	1.0	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	1.0	0.747	1.0	0.0	80.6	-17.7	83.4	85.2	102	0.8	1.0	0.0	1.0	0.654	1.0	0.0	76.6	-22.6	77.6	80.8	106	0.8	1.0	0.0	1.0	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	1.0	0.725	1.0	0.0	79.7	-18.8	82.0	84.2	103	0.783	1.0	0.0	1.0	0.628	1.0	0.0	75.5	-23.8	76.0	79.6	107	0.783	1.0	0.0	1.0	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	1.0	0.703	1.0	0.0	78.7	-20.0	80.7	83.2	104	0.767	1.0	0.0	1.0	0.605	1.0	0.0	74.6	-25.0	74.3	78.4	108	0.767	1.0	0.0	1.0	0.605	1.0	0.0	74.6	-25.0	74.3	78.4	108	0.767	1.0	0.0
101	105																																													



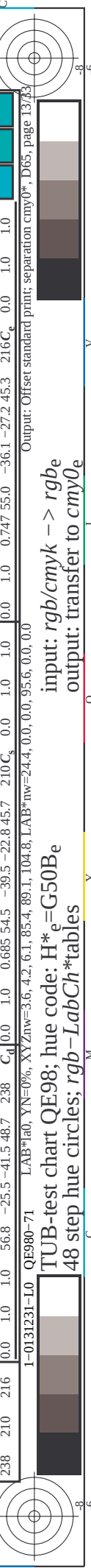
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application for measurement of offset print output, separation cmy0 (CMY0)

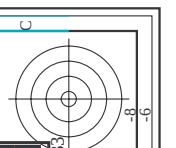
TUB material: code=rha4ta

Six hue angles of the device colours RYGBM; h _{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYGBM; 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* _d	rgb* _s	rgb* _e	LAB* _d	LAB* _s	LAB* _e	rgb* _d	rgb* _s	rgb* _e	LAB* _d	LAB* _s	LAB* _e	rgb* _d	rgb* _s	rgb* _e	LAB* _d	LAB* _s	LAB* _e	rgb* _d	rgb* _s	rgb* _e	LAB* _d	LAB* _s	LAB* _e	rgb* _d	rgb* _s	rgb* _e	LAB* _d	LAB* _s	LAB* _e																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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	0.312	1.0	0.0	62.0	-41.8	52.9	67.5	128	0.483	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	0.291	1.0	0.0	60.8	-43.8	50.9	67.2	130	0.45	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	0.27	1.0	0.0	59.6	-45.6	48.9	66.9	133	0.417	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	0.249	1.0	0.0	58.4	-47.4	46.8	66.6	135	0.383	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	0.217	1.0	0.0	57.4	-49.2	44.7	66.6	137	0.35	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	0.185	1.0	0.0	56.5	-50.9	42.7	66.5	140	0.317	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	0.153	1.0	0.0	55.5	-52.5	40.5	66.4	142	0.283	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	0.122	1.0	0.0	54.6	-54.2	38.4	66.5	144	0.25	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	0.095	1.0	0.0	53.6	-56.6	36.7	67.6	147	0.217	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	0.069	1.0	0.0	52.6	-59.0	34.9	68.6	149	0.183	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	0.043	1.0	0.0	51.7	-61.3	33.0	69.7	151	0.15	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	0.016	1.0	0.0	50.7	-63.5	30.9	70.8	154	0.117	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	0.0	1.0	0.021	50.1	-64.6	28.3	70.6	156	0.083	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	0.0	1.0	0.077	50.4	-63.7	24.8	68.4	158	0.05	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	0.0	1.0	0.13	50.6	-62.6	21.5	66.3	161	0.017	1.0	0.0	0.0	1.0	0.151	50.7	-62.0	19.9	65.2	162	0.0	1.0	0.0	0.0	1.0	0.167	50.8	-61.6	18.7	64.4	163	0.0	1.0	0.003	0.0	1.0	0.183	50.9	-61.1	17.5	63.6	164	0.0	1.0	0.05	0.0	1.0	0.2	51.0	-60.6	16.3	62.8	164	0.0	1.0	0.067	0.0	1.0	0.216	51.0	-60.0	15.1	62.0	165	0.0	1.0	0.083	0.0	1.0	0.232	51.1	-59.5	14.0	61.2	166	0.0	1.0	0.1	0.0	1.0	0.248	51.2	-58.9	12.9	60.4	167	0.0	1.0	0.011	0.0	1.0	0.261	51.3	-58.5	11.8	59.8	168	0.0	1.0	0.133	0.0	1.0	0.274	51.4	-58.1	10.8	59.2	169	0.0	1.0	0.15	0.0	1.0	0.287	51.5	-57.7	9.7	58.6	170	0.0	1.0	0.167	0.0	1.0	0.3	51.5	-57.3	8.7	58.1	171	0.0	1.0	0.183	0.0	1.0	0.313	51.6	-56.9	7.7	57.5	172	0.0	1.0	0.2	0.0	1.0	0.325	51.7	-56.4	6.8	56.9	173	0.0	1.0	0.217	0.0	1.0	0.338	51.8	-55.9	5.8	56.3	174	0.0	1.0	0.233	0.0	1.0	0.351	51.9	-55.5	4.9	55.8	175	0.0	1.0	0.25	0.0	1.0	0.364	52.0	-55.0	3.9	55.2	176	0.0	1.0	0.016	0.0	1.0	0.016	50.1	-64.7	28.5	70.7	160	0.0	1.0	0.033	0.0	1.0	0.033	50.1	-64.5	27.4	70.1	161	0.0	1.0	0.05	0.0	1.0	0.05	50.2	-64.2	26.4	69.4	157	0.0	1.0	0.066	0.0	1.0	0.066	50.3	-63.9	25.4	68.8	158	0.0	1.0	0.083	0.0	1.0	0.083	50.3	-63.6	24.4	68.1	159	0.0	1.0	0.1	0.0	1.0	0.1	50.4	-63.3	23.4	67.5	159	0.0	1.0	0.116	0.0	1.0	0.116	50.5	-62.9	22.4	66.8	160	0.0	1.0	0.133	0.0	1.0	0.133	50.5	-62.5	21.2	66.1	161	0.0	1.0	0.15	0.0	1.0	0.15	50.6	-62.1	19.9	65.2	162	0.0	1.0	0.166	0.0	1.0	0.166	50.7	-61.6	18.7	64.4	163	0.0	1.0	0.183	0.0	1.0	0.183	50.8	-61.1	17.4	63.6	164	0.0	1.0	0.2	0.0	1.0	0.2	50.9	-60.6	16.2	62.7	164	0.0	1.0	0.216	0.0	1.0	0.216	51.0	-60.1	15.0	61.9	165	0.0	1.0	0.233	0.0	1.0	0.233	51.1	-59.5	13.9	61.1	166	0.0	1.0	0.25	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167	0.0	1.0	0.016	0.0	1.0	0.016	50.1	-64.7	28.5	70.7	160	0.0	1.0	0.033	0.0	1.0	0.033	50.1	-64.5	27.4	70.1	161	0.0	1.0	0.05	0.0	1.0	0.05	50.2	-64.2	26.4	69.4	157	0.0	1.0	0.066	0.0	1.0	0.066	50.3	-63.9	25.4	68.8	158	0.0	1.0	0.083	0.0	1.0	0.083	50.3	-63.6	24.4	68.1	159	0.0	1.0	0.1	0.0	1.0	0.1	50.4	-63.3	23.4	67.5	159	0.0	1.0	0.116	0.0	1.0	0.116	50.5	-62.9	22.4	66.8	160	0.0	1.0	0.133	0.0	1.0	0.133	50.5	-62.5	21.2	66.1	161	0.0	1.0	0.15	0.0	1.0	0.15	50.6	-62.1	19.9	65.2	162	0.0	1.0	0.166	0.0	1.0	0.166	50.7	-61.6	18.7	64.4	163	0.0	1.0	0.183	0.0	1.0	0.183	50.8	-61.1	17.4	63.6	164	0.0	1.0	0.2	0.0	1.0	0.2	50.9	-60.6	16.2	62.7	164	0.0	1.0	0.216	0.0	1.0	0.216	51.0	-60.1	15.0	61.9	165	0.0	1.0	0.233	0.0	1.0	0.233	51.1	-59.5	13.9	61.1	166	0.0	1.0	0.25	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167	0.0	1.0	0.016	0.0	1.0	0.016	50.1	-64.7	28.5	70.7	160	0.0	1.0	0.033	0.0	1.0	0.033	50.1	-64.5	27.4	70.1	161	0.0	1.0	0.05	0.0	1.0	0.05	50.2	-64.2	26.4	69.4	157	0.0	1.0	0.066	0.0	1.0	0.066	50.3	-63.9	25.4	68.8	158	0.0	1.0	0.083	0.0	1.0	0.083	50.3	-63.6	24.4	68.1	159	0.0	1.0	0.1	0.0	1.0	0.1	50.4	-63.3	23.4	67.5	159	0.0	1.0	0.116	0.0	1.0	0.116	50.5	-62.9	22.4	66.8	160	0.0	1.0	0.133	0.0	1.0	0.133	50.5	-62.5	21.2	66.1	161	0.0	1.0	0.15	0.0	1.0	0.15	50.6	-62.1	19.9	65.2	162	0.0	1.0	0.166	0.0	1.0	0.166	50.7	-61.6	18.7	64.4	163	0.0	1.0	0.183	0.0	1.0	0.183	50.8	-61.1	17.4	63.6	164	0.0	1.0	0.2	0.0	1.0	0.2	50.9	-60.6	16.2	62.7	164	0.0	1.0	0.216	0.0	1.0	0.216	51.0	-60.1	15.0	61.9	165	0.0	1.0	0.233	0.0	1.0	0.233	51.1	-59.5	13.9	61.1	166	0.0	1.0	0.25	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167	0.0	1.0	0.016	0.0	1.0	0.016	50.1	-64.7	28.5	70.7	160	0.0	1.0	0.033	0.0	1.0	0.033	50.1	-64.5	27.4	70.1	161	0.0	1.0	0.05	0.0	1.0	0.05	50.2	-64.2	26.4	69.4	157	0.0	1.0	0.066	0.0	1.0	0.066	50.3	-63.9	25.4	68.8	158	0.0	1.0	0.083	0.0	1.0	0.083	50.3	-63.6	24.4	68.1	159	0.0	1.0	0.1	0.0	1.0	0.1	50.4	-63.3	23.4	67.5	159	0.0	1.0	0.116	0.0	1.0	0.116	50.5	-62.9	22.4	66.8	160	0.0	1.0	0.133	0.0	1.0	0.133	50.5	-62.5	21.2	66.1	161	0.0	1.0</



Six hue angles of the device colours RYGBM; h _{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYGBM; 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* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	rgb* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}																																																																																																																																																																																																																																																																																																																																																																																																																																																								
167	165	175	0.0	1.0	0.25	51.2	58.9	12.7	60.3	167	0.0	1.0	0.2	51.0	-60.5	16.2	62.8	165	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
168	166	176	0.0	1.0	0.266	51.3	58.4	11.3	59.5	168	0.0	1.0	0.218	51.1	-60.0	15.0	61.9	166	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
170	167	177	0.0	1.0	0.283	51.4	57.9	10.0	58.8	170	0.0	1.0	0.236	51.2	-59.3	13.7	61.0	167	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
171	168	178	0.0	1.0	0.3	51.5	57.3	8.7	58.0	171	0.0	1.0	0.253	51.2	-58.8	12.5	60.2	168	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
172	169	179	0.0	1.0	0.316	51.6	56.8	7.4	57.3	172	0.0	1.0	0.267	51.3	-58.4	11.4	59.5	169	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
173	170	180	0.0	1.0	0.333	51.7	56.2	6.1	56.5	173	0.0	1.0	0.281	51.4	-57.9	10.2	58.9	170	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
174	171	181	0.0	1.0	0.35	51.8	55.5	4.9	55.8	174	0.0	1.0	0.295	51.5	-57.5	9.1	58.3	171	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
176	172	182	0.0	1.0	0.366	51.9	54.9	3.7	55.0	176	0.0	1.0	0.309	51.6	-57.0	8.0	57.7	172	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
177	173	183	0.0	1.0	0.383	52.0	54.2	2.3	54.3	177	0.0	1.0	0.323	51.7	-56.5	6.9	57.0	173	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
179	174	184	0.0	1.0	0.4	52.2	53.6	0.7	53.6	179	0.0	1.0	0.337	51.8	-56.0	5.9	56.4	174	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
180	175	185	0.0	1.0	0.416	52.3	52.8	0.8	52.9	180	0.0	1.0	0.351	51.9	-55.5	4.9	55.8	175	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
182	176	185	0.0	1.0	0.433	52.4	52.1	2.3	52.1	182	0.0	1.0	0.365	52.0	-54.9	3.8	55.1	176	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
184	177	186	0.0	1.0	0.45	52.6	51.3	3.8	51.4	184	0.0	1.0	0.378	52.0	-54.4	2.9	54.6	177	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
185	178	187	0.0	1.0	0.466	52.7	50.4	5.3	50.7	185	0.0	1.0	0.388	52.1	-54.0	1.9	54.1	178	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
187	179	188	0.0	1.0	0.483	52.8	49.6	6.6	50.0	187	0.0	1.0	0.398	52.2	-53.6	0.9	53.7	179	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
189	180	189	0.0	1.0	0.5	52.9	48.6	8.0	49.3	189	0.0	1.0	0.407	52.3	-53.2	0.0	53.3	180	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
191	181	190	0.0	1.0	0.516	53.1	47.9	9.5	48.9	191	0.0	1.0	0.417	52.4	-52.8	0.8	52.9	181	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
193	182	191	0.0	1.0	0.533	53.2	47.2	10.9	48.4	193	0.0	1.0	0.427	52.4	-52.3	1.7	52.5	182	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
194	183	192	0.0	1.0	0.55	53.4	46.4	12.3	48.0	194	0.0	1.0	0.437	52.5	-51.9	2.6	52.0	183	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
196	184	193	0.0	1.0	0.566	53.5	45.6	13.7	47.6	196	0.0	1.0	0.447	52.6	-51.4	3.5	51.6	184	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
198	185	194	0.0	1.0	0.583	53.6	44.7	15.0	47.1	198	0.0	1.0	0.457	52.7	-50.9	4.4	51.2	185	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
200	186	195	0.0	1.0	0.6	53.8	43.8	16.3	46.7	200	0.0	1.0	0.467	52.7	-50.4	5.2	50.8	186	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
202	187	195	0.0	1.0	0.616	53.9	42.8	17.5	46.3	202	0.0	1.0	0.477	52.8	-49.9	6.0	50.3	187	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
204	188	196	0.0	1.0	0.633	54.1	42.0	18.8	46.0	204	0.0	1.0	0.486	52.9	-49.3	6.8	49.9	188	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
206	189	197	0.0	1.0	0.65	54.2	41.2	20.1	45.9	206	0.0	1.0	0.496	53.0	-48.8	7.6	49.5	189	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
207	190	198	0.0	1.0	0.666	54.3	40.5	21.4	45.8	207	0.0	1.0	0.506	53.0	-48.4	8.4	49.2	190	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
209	191	199	0.0	1.0	0.683	54.5	39.7	22.7	45.7	209	0.0	1.0	0.515	53.1	-48.0	9.2	49.0	191	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
211	192	200	0.0	1.0	0.7	54.6	38.8	23.9	45.6	211	0.0	1.0	0.524	53.2	-47.6	10.0	48.7	192	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
213	193	201	0.0	1.0	0.716	54.7	37.9	25.1	45.5	213	0.0	1.0	0.533	53.3	-47.2	10.8	48.5	193	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
215	194	202	0.0	1.0	0.733	54.9	37.0	26.3	45.4	215	0.0	1.0	0.542	53.3	-46.7	11.6	48.3	194	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
217	195	203	0.0	1.0	0.75	55.0	36.0	27.4	45.3	217	0.0	1.0	0.551	53.4	-46.3	12.3	48.0	195	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
218	196	204	0.0	1.0	0.766	55.1	35.4	28.4	45.4	218	0.0	1.0	0.56	53.5	-45.9	13.1	47.8	196	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
220	197	205	0.0	1.0	0.783	55.2	34.7	29.4	45.5	220	0.0	1.0	0.569	53.6	-45.4	13.8	47.6	197	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
221	198	206	0.0	1.0	0.8	55.3	34.0	30.3	45.6	221	0.0	1.0	0.578	53.6	-44.9	14.5	47.3	198	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
223	199	206	0.0	1.0	0.816	55.4	33.3	31.3	45.7	223	0.0	1.0	0.587	53.7	-44.4	15.2	47.1	199	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
224	200	207	0.0	1.0	0.833	55.6	32.6	32.2	45.9	224	0.0	1.0	0.596	53.8	-43.9	15.9	46.9	200	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
226	201	208	0.0	1.0	0.85	55.7	31.8	33.1	46.0	226	0.0	1.0	0.605	53.9	-43.4	16.6	46.6	201	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
227	202	209	0.0	1.0	0.866	55.8	31.1	34.0	46.1	227	0.0	1.0	0.614	54.0	-42.9	17.3	46.4	202	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
229	203	210	0.0	1.0	0.883	55.9	30.4	35.0	46.3	229	0.0	1.0	0.623	54.0	-42.4	17.9	46.2	203	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
230	204	211	0.0	1.0	0.9	56.0	29.7	35.9	46.7	230	0.0	1.0	0.632	54.1	-42.0	18.6	46.1	204	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
231	205	212	0.0	1.0	0.916	56.1	29.1	36.9	47.0	231	0.0	1.0	0.641	54.2	-41.6	19.3	46.0	205	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
233	206	213	0.0	1.0	0.933	56.3	28.4	37.8	47.3	233	0.0	1.0	0.65	54.2	-41.2	20.0	46.0	206	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
234	207	214	0.0	1.0	0.95	56.4	27.7	38.8	47.7	234	0.0	1.0	0.659	54.3	-40.8	20.7	45.9	207	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
235	208	215	0.0	1.0	0.966	56.5	27.0	39.7	48.0	235	0.0	1.0	0.668	54.4	-40.4	21.4	45.8	208	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
237	209	216	0.0	1.0	0.983	56.6	26.2	40.6	48.3	237	0.0	1.0	0.676	54.5	-39.9	22.1	45.8	209	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																								
										rgb**_ds361MI	LAB* _{ds} 361MI (x=LabCh)	rgb**_ds361MI	LAB* _{ds} 361MI (x=LabCh)	rgb**_ds361MI	LAB* _{ds} 361MI (x=LabCh)	rgb**_ds361MI	LAB* _{ds} 361MI (x=LabCh)	rgb**_ds361MI	LAB* _{ds} 361MI (x=LabCh)																																																																																																																																																																																																																																																																																																																																																																																																																																																								
										0.0	1.0	0.2	51.0	-60.5	16.2	62.8	165	0.0	1.0	0.25	0.0	1.0	0.364	52.0	-55.0	3.9	55.2	175	0.0	1.0	0.267	0.0	1.0	0.376	52.0	-54.5	3.0	54.6	176	0.0	1.0	0.385	52.1	-54.1	2.1	54.3	177	0.0	1.0	0.394	52.2	-53.8	1.3	53.9	178	0.0	1.0	0.403	52.3	-53.4	0.4	53.5	179	0.0	1.0	0.412	52.3	-53.0	-0.3	53.1	180	0.0	1.0	0.421	52.4	-52.6	-1.2	52.7	181	0.0	1.0	0.43	52.5	-52.2	-2.0	52.3	182	0.0	1.0	0.439	52.5	-51.8	-2.8	51.9	183	0.0	1.0	0.448	52.6	-51.3	-3.6	51.6	184	0.0	1.0	0.457	52.7	-50.9	-4.4	51.2	185	0.0	1.0	0.466	52.7	-50.4	-5.2	50.8	186	0.0	1.0	0.475	52.8	-49.9	-5.9	50.4	187	0.0	1.0	0.484	52.9	-49.5	-6.7	50.0	187	0.0	1.0	0.493	52.9	-49.0	-7.4	49.6	188	0.0	1.0	0.502	53.0	-48.5	-8.1	49.3	189	0.0	1.0	0.51	53.1	-48.2	-8.9	49.1	190	0.0	1.0	0.519	53.1	-47.8	-9.6	48.9	191	0.0	1.0	0.527	53.2	-47.4	-10.3	48.7	192	0.0	1.0	0.535	53.3	-47.1	-11.0	48.4	193	0.0	1.0	0.543	53.4	-46.7	-11.7	48.2	194	0.0	1.0	0.552	53.4	-46.3	-12.4	48.0	195	0.0	1.0	0.56	53.5	-45.9	-13.1	47.8	195	0.0	1.0	0.568	53.6	-45.4	-13.7	47.6	196	0.0	1.0	0.576	53.6	-45.0	-14.4	47.4	197	0.0	1.0	0.585	53.7	-44.6	-15.0	47.2	198	0.0	1.0	0.593	53.8	-44.1	-15.7	47.0	199	0.0	1.0	0.601	53.8	-43.7	-16.3	46.7	200	0.0	1.0	0.609	53.9	-43.2	-16.9	46.5	201	0.0	1.0	0.618	54.0	-42.7	-17.5	46.3	202	0.0	1.0	0.626	54.1	-42.3	-18.1	46.1	203	0.0	1.0	0.634	54.1	-41.9	-18.8	46.1	204	0.0	1.0	0.642	54.2	-41.6	-19.4	46.0	205	0.0	1.0	0.65	54.2	-41.2	-20.1	46.0	206	0.0	1.0	0.658	54.3	-40.8	-20.7	45.9	206	0.0	1.0	0.666	54.4	-40.4	-21.3	45.9	207	0.0	1.0	0.674	54.4	-40.0	-21.9	45.8	208	0.0	1.0	0.682	54.5	-39.6	-22.6	45.7	209	0.0	1.0	0.691	54.6	-39.2	-23.2	45.7	210	0.0	1.0	0.699	54.6	-38.8	-23.8	45.6	211	0.0	1.0	0.707	54.7	-38.4	-24.3	45.6	212	0.0	1.0	0.715	54.8	-37.9	-24.9	45.5	213	0.0	1.0	0.723	54.8	-37.5	-25.5	45.5	214	0.0	1.0	0.731	54.9	-37.0	-26.1	45.4	215	0.0	1.0	0.739	55.0	-36.6	-26.6	45.4	216	0.0	1.0	0.747	55.0	-36.2	-27.1	45.3	217	0.0	1.0	0.755	55.1	-35.7	-27.6	45.2	218	0.0	1.0	0.763	55.2	-35.3	-28.1	45.1	219	0.0	1.0	0.771	55.3	-34.8	-28.6	45.0	220	0.0	1.0	0.779	55.4	-34.4	-29.1	44.9	221	0.0	1.0	0.787	55.5	-34.0	-29.6	44.8	222	0.0	1.0	0.795	55.6	-33.6	-30.1	44.7	223	0.0	1.0	0.803	55.6	-33.2	-30.6	44.6	224	0.0	1.0	0.811	55.7	-32.8	-31.1	44.5	225	0.0	1.0	0.819	55.8





<http://130.149.60.45/~farbmatrik/QE98/QE98LONP.PDF> /PS; transfer output N; no 3D-linearization (OL) in file (F) or PS-startup (S), page 14/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmv0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

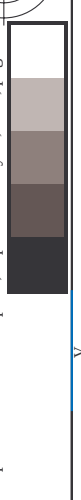
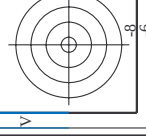
—see similar files: <http://130.149.60.45/~farbmetrik/QE98/QE98.HTM>
 —technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

[illegible]

5.6, 0.0, 0.0

5.6, 0.0, 0.0
input: *rgb/cmyk* → *rgbe*
output: transfer to *cmy0_e*

Output: Offset standard print; separation cmv0*, D65, page 14/33





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 RYGBCM; h _{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;									
Six hue angles of the device colours RYGBCM; h _{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYGBCM; 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* _{ds}	rgb* _{ds}	rgb* _{ds}	rgb* _{ds}	rgb* _{ds}	rgb* _{ds}	rgb* _{ds}
289	255	258	0.0	0.25	1.0	32.8	14.3	-40.2	42.7
290	256	258	0.0	0.233	1.0	32.2	15.3	-40.3	43.1
292	257	259	0.0	0.216	1.0	31.7	16.4	-40.3	43.6
293	258	260	0.0	0.2	1.0	31.1	17.5	-40.4	44.0
294	259	261	0.0	0.183	1.0	30.6	18.5	-40.4	44.5
295	260	262	0.0	0.166	1.0	30.0	19.6	-40.4	44.9
297	261	263	0.0	0.15	1.0	29.5	20.7	-40.4	45.4
298	262	264	0.0	0.133	1.0	28.9	21.8	-40.3	45.8
299	263	265	0.0	0.116	1.0	28.4	22.8	-40.3	46.3
300	264	266	0.0	0.1	1.0	27.9	23.8	-40.4	46.9
301	265	267	0.0	0.083	1.0	27.4	24.7	-40.4	47.4
302	266	268	0.0	0.066	1.0	26.9	25.7	-40.4	47.9
303	267	269	0.0	0.049	1.0	26.5	26.6	-40.5	48.4
304	268	269	0.0	0.033	1.0	26.0	27.6	-40.4	49.0
305	269	270	0.0	0.016	1.0	25.5	28.6	-40.4	49.5
306	270	271	0.0	0.0	1.0	25.0	29.5	-40.4	50.0
307	271	272	0.016	0.0	1.0	25.4	30.4	-39.9	50.2
308	272	273	0.033	0.0	1.0	25.8	31.3	-39.4	50.4
309	273	274	0.05	0.0	1.0	26.2	32.2	-38.9	50.5
310	274	275	0.066	0.0	1.0	26.5	33.1	-38.4	50.7
311	275	276	0.083	0.0	1.0	26.9	33.9	-37.8	50.8
313	276	277	0.1	0.0	1.0	27.3	34.8	-37.3	51.0
314	277	278	0.116	0.0	1.0	27.7	35.6	-36.7	51.1
315	278	279	0.133	0.0	1.0	27.9	36.4	-36.2	51.3
316	279	280	0.15	0.0	1.0	28.1	37.2	-35.7	51.6
317	280	281	0.166	0.0	1.0	28.2	38.0	-35.2	51.9
318	281	282	0.183	0.0	1.0	28.3	38.8	-34.7	52.1
319	282	283	0.2	0.0	1.0	28.5	39.6	-34.2	52.4
320	283	284	0.216	0.0	1.0	28.6	40.4	-33.7	52.6
321	284	285	0.233	0.0	1.0	28.7	41.2	-33.1	52.9
322	285	285	0.25	0.0	1.0	28.8	41.9	-32.5	53.1
323	286	286	0.266	0.0	1.0	29.4	43.3	-31.8	53.8
325	287	287	0.283	0.0	1.0	29.9	44.7	-31.1	54.4
326	288	288	0.3	0.0	1.0	30.4	46.0	-30.3	55.1
328	289	289	0.316	0.0	1.0	30.9	47.3	-29.4	55.7
329	290	290	0.333	0.0	1.0	31.4	48.6	-28.5	56.4
331	291	291	0.35	0.0	1.0	32.0	49.9	-27.5	57.0
332	292	292	0.366	0.0	1.0	32.5	51.2	-26.5	57.7
333	293	293	0.383	0.0	1.0	32.9	52.3	-25.7	58.3
334	294	294	0.4	0.0	1.0	33.3	53.2	-25.0	58.8
335	295	295	0.416	0.0	1.0	33.7	54.1	-24.4	59.4
336	296	296	0.433	0.0	1.0	34.0	55.0	-23.7	59.9
337	297	297	0.45	0.0	1.0	34.4	55.9	-23.0	60.5
338	298	298	0.466	0.0	1.0	34.8	56.8	-22.2	61.0
339	299	299	0.483	0.0	1.0	35.2	57.7	-21.5	61.6
340	300	300	0.5	0.0	1.0	35.6	58.6	-20.7	62.1

1-0131431-L0 QE980-71 LAB*lab, YN=0%, XY Zmw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*rw=24.0, 0.0, 95.6, 0.0, 0.0

TUB-test chart QE98; hue code: H*_e=G50B_e
48 step hue circles; rgb-LabCh*tables

input: rgb/cmyk -> rgb
output: transfer to cmy0_e

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

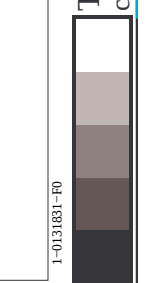
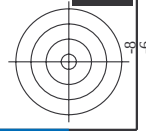


Six hue angles of the device colours RYGBCM _d ; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBCM _e ; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																		Output: Offset standard print; separation cmy0*, D65, 1																																																																																																																																																																																																																																																																																																																																																																																	
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_d361M	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	rgb^*_d361MI	LAB^*_d361MI	$$



TUB registration: 20130201-QE98/QE98L0NP.PDF /.PS
- application for measurement of offset print output, separ

TUB material: code=rha4ta
my0 (CMY0)

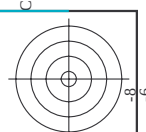


TC

8; hu
NE*

code: $H_e^* = G50B_e$

input: *rgb/cmyk* → *rgb*_e
output: transfer to *cmy*_{0e}



see similar files: <http://130.149.60.45/~farbmatrik/QE98/QE98.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

n/	H/C ^{Fe}	rgb ^{Fe}	tc ^{Fe}	h _g ^{Fe}	LabCh ^{Fe}	rgb ^{Fe}	LabCh ^{Fe}	rgb ^{Fe}	LabCh ^{Fe}	LabCh ^{Fe}	DB ^{Fe}	h _{an} ^{Fe}	rgb ^{Fe}	LabCh ^{Fe}	rgb ^{Fe}	LabCh ^{Fe}	rgb ^{Fe}	LabCh ^{Fe}	rgb ^{Fe}	LabCh ^{Fe}
1/666	R00Y_100_100e	1.0	0.0	0.0	1.0	0.0	0.254	1.0	0.0	0.0	45.6	70.9	44.8	83.9	32.3	37.5	38.9	37.5	38.9	37.5
0/448	R25Y_100_100e	1.0	0.25	0.0	1.0	0.166	0.0	1.0	0.25	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
1/666	R50Y_100_100e	1.0	0.5	0.0	1.0	0.398	0.0	1.0	0.5	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
3/702	R75Y_100_100e	1.0	1.0	0.0	1.0	0.604	0.0	1.0	0.75	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
4/720	Y00G_100_100e	1.0	1.0	0.0	1.0	0.878	0.0	1.0	1.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
5/558	Y25G_100_100e	0.75	1.0	0.0	1.0	0.605	1.0	0.0	0.75	1.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
6/296	Y50G_100_100e	0.5	1.0	0.0	1.0	0.322	1.0	0.0	0.5	1.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
7/234	Y75G_100_100e	0.25	1.0	0.0	1.0	0.108	1.0	0.0	0.25	1.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
8/72	G00B_100_100e	0.0	1.0	0.0	1.0	0.151	0.0	1.0	1.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
9/72	G25B_100_100e	0.0	1.0	0.0	1.0	0.502	0.0	1.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
10/106	G50B_100_100e	0.0	1.0	0.0	1.0	0.747	0.0	1.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
11/180	G75B_100_100e	0.0	1.0	0.0	1.0	0.846	1.0	0.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
13/38	B00M_100_100e	0.0	1.0	0.0	1.0	0.458	1.0	0.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
22/404	G00B_100_100e	0.5	1.0	0.0	1.0	0.105	1.0	0.0	1.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
23/408	B00R_100_100e	0.5	1.0	0.0	1.0	0.321	0.0	1.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
23/682	B50R_100_100e	1.0	0.5	1.0	1.0	0.321	0.0	1.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
26/688	R00Y_100_100e	1.0	0.5	0.0	1.0	0.5	0.627	1.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
27/506	R00Y_075_050e	0.75	0.25	0.5	1.0	0.25	0.377	0.75	0.25	0.5	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
29/524	R50Y_075_050e	0.75	0.5	0.5	1.0	0.411	0.25	0.75	0.25	0.5	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
30/380	Y00G_075_050e	0.5	0.75	0.5	1.0	0.411	0.25	0.75	0.25	0.5	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
31/218	G00B_075_050e	0.25	0.75	0.5	1.0	0.25	0.75	0.25	0.75	0.5	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
32/222	G50B_075_050e	0.25	0.75	0.5	1.0	0.25	0.75	0.25	0.75	0.5	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
33/186	B00R_075_050e	0.25	0.75	0.5	1.0	0.25	0.75	0.25	0.75	0.5	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
34/510	B50R_075_050e	0.75	0.25	0.5	1.0	0.411	0.25	0.75	0.25	0.5	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
35/506	R00Y_075_050e	0.75	0.25	0.5	1.0	0.411	0.25	0.75	0.25	0.5	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
36/324	R00Y_050_050e	0.5	0.0	0.5	1.0	0.127	0.0	1.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
37/342	R50Y_050_050e	0.5	0.25	0.5	1.0	0.199	0.0	1.0	0.25	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
38/360	Y00G_050_050e	0.25	0.5	0.5	1.0	0.439	0.0	1.0	0.5	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
39/198	Y50G_050_050e	0.25	0.5	0.5	1.0	0.161	0.5	0.0	0.5	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
40/36	G00B_050_050e	0.0	0.5	0.5	1.0	0.0	0.0	1.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
41/40	G50B_050_050e	0.0	0.5	0.5	1.0	0.0	0.0	1.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
42/4	B00R_050_050e	0.0	0.5	0.5	1.0	0.0	0.0	1.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
43/328	B50R_050_050e	0.5	0.0	0.5	1.0	0.16	0.0	1.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
44/324	R00Y_050_050e	0.5	0.0	0.5	1.0	0.0	0.0	1.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
45/0	NW_000e	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
46/91	NW_013e	0.125	0.125	0.125	1.0	0.125	0.125	0.125	0.125	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
47/182	NW_025e	0.25	0.25	0.25	1.0	0.25	0.25	0.25	0.25	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
48/273	NW_038e	0.375	0.375	0.375	1.0	0.375	0.375	0.375	0.375	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
49/364	NW_050e	0.5	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
50/546	NW_063e	0.625	0.625	0.625	1.0	0.625	0.625	0.625	0.625	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
51/546	NW_075e	0.75	0.75	0.75	1.0	0.75	0.75	0.75	0.75	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
52/637	NW_088e	0.875	0.875	0.875	1.0	0.875	0.875	0.875	0.875	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8
53/728	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	45.6	51.9	55.5	76.0	46.8	10.8	37.5	38.9	46.8	10.8

Mean color difference of this page: 13.3

TUB registration: 20130201-QE98/QE98LONP.PDF /.PS TUB material: code=rha4ta application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmatrik/QE98/QE98LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 23/33

n	H1C*Fe	rgb*Fe	icL*Fe	hsa*Fe	rgb*Fe	LabCH*Fe	LabCH*Fe	DF*Fe	hsa*Fe	rgb*Fe	LabCH*Fe	LabCH*Fe
243	R0Y0_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	390 370	0.0095 0.323 27.0	30.0 12.9 22.9	30.0 12.9 22.9	25.4	0.375 0.0 0.125	31.7 36.2 17.7	40.3 26.1 10.3	375 375 375
244	R0Y0_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	391 371	0.0095 0.323 27.0	30.0 12.9 22.9	30.0 12.9 22.9	25.4	0.375 0.0 0.125	31.7 36.2 17.7	40.3 26.1 10.3	375 375 375
245	B6S0_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	349 349	0.012 0.0 0.375	26.9 24.1 19.7	26.9 24.1 19.7	346.6	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
246	B6S0_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	349 349	0.012 0.0 0.375	26.9 24.1 19.7	26.9 24.1 19.7	346.6	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
247	B3R0_060_050a	0.375 0.0 0.125	0.375 0.375 0.187	306 306	0.0067 0.0 0.5	26.1 18.2 18.0	26.1 18.2 18.0	316.8	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
248	B3R0_060_050a	0.375 0.0 0.125	0.375 0.375 0.187	306 306	0.0067 0.0 0.5	26.1 18.2 18.0	26.1 18.2 18.0	316.8	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
249	B2S0_075_075a	0.375 0.0 0.125	0.375 0.375 0.187	306 306	0.0067 0.0 0.5	26.1 18.2 18.0	26.1 18.2 18.0	316.8	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
250	B2S0_075_075a	0.375 0.0 0.125	0.375 0.375 0.187	306 306	0.0067 0.0 0.5	26.1 18.2 18.0	26.1 18.2 18.0	316.8	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
251	B1R0_100_100a	0.375 0.0 0.125	0.375 0.375 0.187	292 292	0.0 0.21 1.0	31.5 16.8 20.7	31.5 16.8 20.7	28.5	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
252	R31Y_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	49 49	0.0092 0.0 0.375	12.4 18.8 38.6	12.4 18.8 38.6	20.7	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
253	R0Y0_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	390 390	0.0095 0.323 27.0	30.0 12.9 22.9	30.0 12.9 22.9	25.4	0.375 0.0 0.125	31.7 36.2 17.7	40.3 26.1 10.3	375 375 375
254	R0Y0_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	390 390	0.0095 0.323 27.0	30.0 12.9 22.9	30.0 12.9 22.9	25.4	0.375 0.0 0.125	31.7 36.2 17.7	40.3 26.1 10.3	375 375 375
255	B5R0_037_025a	0.375 0.0 0.125	0.375 0.375 0.187	330 330	0.0205 0.124 0.375	34.9 11.9 7.2	34.9 11.9 7.2	328.6	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
256	B5R0_037_025a	0.375 0.0 0.125	0.375 0.375 0.187	330 330	0.0205 0.124 0.375	34.9 11.9 7.2	34.9 11.9 7.2	328.6	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
257	B3R0_060_050a	0.375 0.0 0.125	0.375 0.375 0.187	306 306	0.0067 0.0 0.5	26.1 18.2 18.0	26.1 18.2 18.0	316.8	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
258	B1R0_100_100a	0.375 0.0 0.125	0.375 0.375 0.187	292 292	0.0 0.21 1.0	31.5 16.8 20.7	31.5 16.8 20.7	28.5	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
259	B1R0_100_100a	0.375 0.0 0.125	0.375 0.375 0.187	292 292	0.0 0.21 1.0	31.5 16.8 20.7	31.5 16.8 20.7	28.5	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
260	B1R0_100_100a	0.375 0.0 0.125	0.375 0.375 0.187	292 292	0.0 0.21 1.0	31.5 16.8 20.7	31.5 16.8 20.7	28.5	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
261	R8Y0_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	71 71	0.0375 0.203 0.0	42.2 9.2 26.9	42.2 9.2 26.9	78.1	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
262	R8Y0_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	71 71	0.0375 0.203 0.0	42.2 9.2 26.9	42.2 9.2 26.9	78.1	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
263	R0Y0_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	390 390	0.0095 0.323 27.0	30.0 12.9 22.9	30.0 12.9 22.9	25.4	0.375 0.0 0.125	31.7 36.2 17.7	40.3 26.1 10.3	375 375 375
264	R0Y0_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	390 390	0.0095 0.323 27.0	30.0 12.9 22.9	30.0 12.9 22.9	25.4	0.375 0.0 0.125	31.7 36.2 17.7	40.3 26.1 10.3	375 375 375
265	B2S0_060_025a	0.375 0.0 0.125	0.375 0.375 0.187	306 306	0.0067 0.0 0.5	26.1 18.2 18.0	26.1 18.2 18.0	316.8	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
266	B2S0_060_025a	0.375 0.0 0.125	0.375 0.375 0.187	306 306	0.0067 0.0 0.5	26.1 18.2 18.0	26.1 18.2 18.0	316.8	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
267	B1R0_100_100a	0.375 0.0 0.125	0.375 0.375 0.187	292 292	0.0 0.21 1.0	31.5 16.8 20.7	31.5 16.8 20.7	28.5	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
268	B1R0_100_100a	0.375 0.0 0.125	0.375 0.375 0.187	292 292	0.0 0.21 1.0	31.5 16.8 20.7	31.5 16.8 20.7	28.5	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
269	B1R0_100_100a	0.375 0.0 0.125	0.375 0.375 0.187	292 292	0.0 0.21 1.0	31.5 16.8 20.7	31.5 16.8 20.7	28.5	0.375 0.0 0.125	31.7 36.2 17.7	39.0 19.8 13.4	388 388 388
270	Y0C0_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	90 90	0.375 0.375 0.0	44.1 6.7 33.2	44.1 6.7 33.2	78.5	0.375 0.375 0.0	44.1 6.7 33.2	78.5 8.4 83	83 83 83
271	Y0C0_037_037a	0.375 0.0 0.125	0.375 0.375 0.187	90 90	0.375 0.375 0.0	44.1 6.7 33.2	44.1 6.7 33.2	78.5	0.375 0.375 0.0	44.1 6.7 33.2	78.5 8.4 83	83 83 83
272	NW_037a	0.375 0.0 0.125	0.375 0.375 0.187	360 360	0.375 0.375 0.0	44.1 6.7 33.2	44.1 6.7 33.2	78.5	0.375 0.375 0.0	44.1 6.7 33.2	78.5 8.4 83	83 83 83
273	NW_037a	0.375 0.0 0.125	0.375 0.375 0.187	360 360	0.375 0.375 0.0	44.1 6.7 33.2	44.1 6.7 33.2	78.5	0.375 0.375 0.0	44.1 6.7 33.2	78.5 8.4 83	83 83 83
274	B0R0_050_012a	0.375 0.0 0.125	0.375 0.375 0.187	360 360	0.375 0.375 0.0	44.1 6.7 33.2	44.1 6.7 33.2	78.5	0.375 0.375 0.0	44.1 6.7 33.2	78.5 8.4 83	83 83 83
275	B0R0_050_012a	0.375 0.0 0.125	0.375 0.375 0.187	360 360	0.375 0.375 0.0	44.1 6.7 33.2	44.1 6.7 33.2	78.5	0.375 0.375 0.0	44.1 6.7 33.2	78.5 8.4 83	83 83 83
276	B0R0_050_012a	0.375 0.0 0.125	0.375 0.375 0.187	360 360	0.375 0.375 0.0	44.1 6.7 33.2	44.1 6.7 33.2	78.5	0.375 0.375 0.0	44.1 6.7 33.2	78.5 8.4 83	83 83 83
277	B0R0_050_012a	0.375 0.0 0.125	0.375 0.375 0.187	360 360	0.375 0.375 0.0	44.1 6.7 33.2	44.1 6.7 33.2	78.5	0.375 0.375 0.0	44.1 6.7 33.2	78.5 8.4 83	83 83 83
278	B0R0_050_012a	0.375 0.0 0.125	0.375 0.375 0.187	360 360	0.375 0.375 0.0	44.1 6.7 33.2	44.1 6.7 33.2	78.5	0.375 0.375 0.0	44.1 6.7 33.2	78.5 8.4 83	83 83 83
279	Y23C_050_037a	0.375 0.0 0.125	0.375 0.375 0.187	109 109	0.31 0.5 0.124	50.5 11.7 10.2	50.5 11.7 10.2	13.4	0.375 0.5 0.124	50.5 11.7 10.2	13.4 16.9 12.7	13.4 16.9 12.7
280	Y30C_050_037a	0.375 0.0 0.125	0.375 0.375 0.187	109 109	0.31 0.5 0.124	50.5 11.7 10.2	50.5 11.7 10.2	13.4	0.375 0.5 0.124	50.5 11.7 10.2	13.4 16.9 12.7	13.4 16.9 12.7
281	G0B0_050_012a	0.375 0.0 0.125	0.375 0.375 0.187	150 150	0.375 0.5 0.393	54.3 -7.7 2.4	54.3 -7.7 2.4	8.1	0.375 0.5 0.393	54.3 -7.7 2.4	8.1 16.2 12.7	8.1 16.2 12.7
282	G0B0_050_012a	0.375 0.0 0.125	0.375 0.375 0.187	150 150	0.375 0.5 0.393	54.3 -7.7 2.4	54.3 -7.7 2.4	8.1	0.375 0.5 0.393	54.3 -7.7 2.4	8.1 16.2 12.7	8.1 16.2 12.7
283	G0B0_050_012a	0.375 0.0 0.125	0.375 0.375 0.187	150 150	0.375 0.5 0.393	54.3 -7.7 2.4	54.3 -7.7 2.4	8.1	0.375 0.5 0.393	54.3 -7.7 2.4	8.1 16.2 12.7	8.1 16.2 12.7
284	G7B3_062_025a	0.375 0.0 0.125	0.375 0.375 0.187	25 25	0.375 0.5 0.586	62.5 58.3 -4.9	0.375 0.5 0.586	62.5 58.3 -4.9	0.375 0.5 0.586	62.5 58.3 -4.9	0.375 0.5 0.586	62.5 58.3 -4.9
285	G7B3_062_025a	0.375 0.0 0.125	0.375 0.375 0.187	25 25	0.375 0.5 0.586	62.5 58.3 -4.9	0.375 0.5 0.586	62.5 58.3 -4.9	0.375 0.5 0.586	62.5 58.3 -4.9	0.375 0.5 0.586	62.5 58.3 -4.9
286	G8B8_007_037a	0.375 0.0 0.125	0.375 0.375 0.187	259 259	0.375 0.732 0.1	61.6 -3.9 -20.4	0.375 0.732 0.1	61.6 -3.9 -20.4	0.375 0.732 0.1	61.6 -3.9 -20.4	0.375 0.732 0.1	61.6 -3.9 -20.4
287	G9B8_007_037a	0.375 0.0 0.125	0.375 0.375 0.187	259 259	0.375 0.732 0.1	61.6 -3.9 -20.4	0.375 0.732 0.1	61.6 -3.9 -20.4	0.375 0.732 0.1	61.6 -3.9 -20.4	0.375 0.732 0.1	61.6 -3.9 -20.4
288	Y30C_050_037a	0.375 0.0 0.125	0.375 0.375 0.187	109 109	0.31 0.5 0.124	50.5 11.7 10.2	0.31 0.5 0.124	50.5 11.7 10.2	0.31 0.5 0.124	50.5 11.7 10.2	0.31 0.5 0.124	50.5 11.7 10.2
289	Y30C_050_037a	0.375 0.0 0.125	0.375 0.375 0.187	109 109	0.31 0.5 0.124	50.5 11.7 10.2	0.31 0.5 0.124	50.5 11.7 10.2	0.31 0.5 0.124	50.5 11.7 10.2	0.31 0.5 0.124	50.5 11.7 10.2
290	Y6B6_062_037a	0.375 0.0 0.125	0.375 0.375 0.187	131 131	0.286 0.625 0.1	52.4 -20.2 38.0	0.286 0.625 0.1	52.4 -20.2 38.0	0.286 0.625 0.1	52.4 -20.2 38.0	0.286 0.625 0.1	52.4 -20.2 38.0
291	Y6B6_062_037a	0.375 0.0 0.125	0.375 0.375 0.187	131 131	0.286 0.625 0.1	52.4 -20.2 38.0	0.286 0.625 0.1	52.4 -20.2 38.0	0.286 0.625 0.1	52.4 -20.2 38.0	0.286 0.625 0.1	52.4 -20.2 38.0
292	G2B8_062_025a	0.375 0.0 0.125	0.375 0.375 0.187	150 150	0.375 0.625 0.5	54.2 -19.1 15.9	0.375 0.625 0.5	54.2 -19.1 15.9	0.375 0.625 0.5	54.2 -19.1 15.9	0.375 0.625 0.5	54.2 -19.1 15.9
293	G2B8_062_025a	0.375 0.0 0.125	0.375 0.375 0.187	150 150	0.375 0.625 0.5	54.2 -19.1 15.9	0.375 0.625 0.5	54.2 -19.1 15.9	0.375 0.625 0.5	54.2 -19.1 15.9	0.375 0.625 0.5	54.2 -19.1 15.9
294	G5B8_075_037a	0.375 0.0 0.125	0.375 0.375 0.187	229 229	0.375 0.732 0.1	61.6 -3.9 -20.4	0.375 0.732 0.1	61.6 -3.9 -20.4	0.375 0.732 0.1	61.6 -3.9 -20.4	0.375 0.732 0.1	61.6 -3.9 -20.4
295	G5B8_075_037a	0.375 0.0 0.125	0.375 0.375 0.187	229 229	0.375 0.732 0.1	61.6 -3.9 -20.4	0.375 0.732 0.1	61.6 -3.9 -20.4	0.375 0.732 0.1	61.6 -3.9 -20.4	0.375 0.732 0.1	61.6 -3.9 -20.4
296	G8B8_007_037a	0.375 0.0 0.125	0.375 0.375 0.187	259 259</								

http://130.149.60.45/~farbmatrik/QE98/QE98L0NP.PDF /.PS; transfer output										N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/33															
n	H*Ch*Fe	rgb-Fe	icL-Fe	hsa-Fe	rgb*Fe	LabCh*Fe	rgb**Fe	LabCh**Fe	DF**Fe	hsm*Fe	rgb*Ne	LabCh*Ne	DF**Ne	hsm*Ne	rgb*Ne	LabCh*Ne	DF**Ne	hsm*Ne	rgb*Ne	LabCh*Ne					
324	R050_050_050a	0.5	0.5	0.25	0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4	0.5	0.0	0.0	34.8	44.7	22.4	50.0	26.6	10.0	375	34.4	80.0	25.4
325	R050_050_050b	0.5	0.0	0.125	0.5	0.0	0.328	35.1	38.0	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
326	R050_050_050c	0.5	0.0	0.25	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
327	R050_050_050d	0.5	0.0	0.375	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
328	R050_050_050e	0.5	0.0	0.5	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
329	R050_050_050f	0.5	0.0	0.625	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
330	R050_050_050g	0.5	0.0	0.75	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
331	R050_050_050h	0.5	0.0	0.875	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
332	R050_050_050i	0.5	0.0	1.0	1.0	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
333	R050_050_050j	0.5	0.0	0.125	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
334	R050_050_050k	0.5	0.0	0.25	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
335	R050_050_050l	0.5	0.0	0.375	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
336	R050_050_050m	0.5	0.0	0.5	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
337	R050_050_050n	0.5	0.0	0.625	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
338	R050_050_050o	0.5	0.0	0.75	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
339	R050_050_050p	0.5	0.0	0.875	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
340	R050_050_050q	0.5	0.0	1.0	1.0	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
341	R050_050_050r	0.5	0.0	0.125	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
342	R050_050_050s	0.5	0.0	0.25	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
343	R050_050_050t	0.5	0.0	0.375	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
344	R050_050_050u	0.5	0.0	0.5	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
345	R050_050_050v	0.5	0.0	0.625	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
346	R050_050_050w	0.5	0.0	0.75	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
347	R050_050_050x	0.5	0.0	0.875	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
348	R050_050_050y	0.5	0.0	1.0	1.0	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
349	R050_050_050z	0.5	0.0	0.125	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
350	R050_050_050aa	0.5	0.0	0.25	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
351	R050_050_050ab	0.5	0.0	0.375	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
352	R050_050_050ac	0.5	0.0	0.5	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
353	R050_050_050ad	0.5	0.0	0.625	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
354	R050_050_050ae	0.5	0.0	0.75	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
355	R050_050_050af	0.5	0.0	0.875	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
356	R050_050_050ag	0.5	0.0	1.0	1.0	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
357	R050_050_050ah	0.5	0.0	0.125	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
358	R050_050_050ai	0.5	0.0	0.25	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
359	R050_050_050aj	0.5	0.0	0.375	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
360	R050_050_050ak	0.5	0.0	0.5	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
361	R050_050_050al	0.5	0.0	0.625	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
362	R050_050_050am	0.5	0.0	0.75	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
363	R050_050_050an	0.5	0.0	0.875	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
364	R050_050_050ao	0.5	0.0	1.0	1.0	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
365	R050_050_050ap	0.5	0.0	0.125	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
366	R050_050_050aq	0.5	0.0	0.25	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
367	R050_050_050ar	0.5	0.0	0.375	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
368	R050_050_050as	0.5	0.0	0.5	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
369	R050_050_050at	0.5	0.0	0.625	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
370	R050_050_050au	0.5	0.0	0.75	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
371	R050_050_050av	0.5	0.0	0.875	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
372	R050_050_050aw	0.5	0.0	1.0	1.0	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
373	R050_050_050ax	0.5	0.0	0.125	0.5	0.0	0.328	35.1	38.6	6.6	38.6	9.8	0.5	0.0	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349	73.2	9.8
374	R050_050_05																								

n	HC*Fe	rgb-Fe	LabCH*Fe	rgb*Fe	LabCH*Fe	DF*Fe	rgb*Fe	LabCH*Fe	DF*Fe	rgb*Fe	LabCH*Fe											
486	R00Y.075.075*	0.75	0.0	0.191	40.3	54.1	25.8	60.0	25.4	0.0	59.2	36.3	69.4	31.5	11.6	375	456	72.2	34.4	80.0	25.4	
487	R35Y.075.075*	0.75	0.0	0.384	40.5	54.1	15.4	57.8	15.4	0.0	40.7	59.2	36.3	69.4	31.5	11.6	375	456	72.2	34.4	80.0	
488	R10Y.075.075*	0.75	0.0	0.62	40.5	54.1	4.4	58.5	4.4	0.0	0.125	40.7	59.2	36.3	69.4	31.5	11.6	375	456	72.2	34.4	
489	R00Y.075.075*	0.75	0.0	0.75	37.1	52.8	-7.3	58.3	43.3	0.0	0.25	40.9	61.1	25.5	66.2	22.6	21.3	339	1.0	0.0	0.827	
490	B65R.075.075*	0.75	0.0	0.75	37.1	52.8	-11.4	49.5	352.0	0.0	0.375	41.0	62.2	19.2	61.1	28.4	315	0.0	0.0	0.827	0.0	
491	B57R.075.075*	0.75	0.0	0.75	34.7	41.6	-17.5	45.1	337.1	0.0	0.5	40.9	64.0	11.4	65.6	10.1	286	0.0	0.0	0.827	0.0	
492	B50R.075.075*	0.75	0.0	0.75	29.4	35.8	-29.0	46.2	321.0	0.0	0.75	41.1	66.9	0.0	66.9	0.0	39.8	288	0.0	0.0	0.827	0.0
493	B43R.087.087*	0.75	0.0	0.875	32.0	42.1	-35.9	35.9	339.0	0.0	0.875	41.4	69.0	-4.7	69.0	43.1	282	0.0	0.0	0.827	0.0	
494	B38R.100.100*	0.75	0.0	1.0	0.5	316	0.0	0.135	0.0	0.0	0.75	41.4	69.0	-4.7	69.0	43.1	282	0.0	0.0	0.827	0.0	
495	R15Y.075.075*	0.75	0.0	0.75	0.051	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
496	R30Y.075.075*	0.75	0.0	0.75	0.125	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
497	R45Y.075.075*	0.75	0.0	0.75	0.25	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
498	R60Y.075.075*	0.75	0.0	0.75	0.375	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
499	R75Y.075.075*	0.75	0.0	0.75	0.5	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
500	B60R.075.075*	0.75	0.0	0.75	0.125	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
501	B50R.075.075*	0.75	0.0	0.75	0.25	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
502	B42R.087.075*	0.75	0.0	0.875	0.75	0.5	32.1	0.0	0.25	39.4	0.0	0.875	46.6	58.6	-5.6	58.6	281	0.0	0.0	0.875	0.0	
503	B36R.100.087*	0.75	0.0	1.0	0.875	0.562	31.4	0.0	0.25	39.4	0.0	0.875	46.6	58.6	-5.6	58.6	281	0.0	0.0	0.875	0.0	
504	R15Y.075.075*	0.75	0.0	0.75	0.051	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
505	R30Y.075.075*	0.75	0.0	0.75	0.125	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
506	R45Y.075.075*	0.75	0.0	0.75	0.25	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
507	R60Y.075.075*	0.75	0.0	0.75	0.375	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
508	R75Y.075.075*	0.75	0.0	0.75	0.5	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
509	B60R.075.075*	0.75	0.0	0.75	0.125	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
510	B50R.075.075*	0.75	0.0	0.75	0.25	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
511	B42R.087.075*	0.75	0.0	0.875	0.75	0.5	32.1	0.0	0.25	39.4	0.0	0.875	46.6	58.6	-5.6	58.6	281	0.0	0.0	0.875	0.0	
512	B36R.100.087*	0.75	0.0	1.0	0.875	0.562	31.4	0.0	0.25	39.4	0.0	0.875	46.6	58.6	-5.6	58.6	281	0.0	0.0	0.875	0.0	
513	R15Y.075.075*	0.75	0.0	0.75	0.051	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
514	R30Y.075.075*	0.75	0.0	0.75	0.125	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
515	R45Y.075.075*	0.75	0.0	0.75	0.25	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
516	R60Y.075.075*	0.75	0.0	0.75	0.375	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
517	R75Y.075.075*	0.75	0.0	0.75	0.5	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
518	B60R.075.075*	0.75	0.0	0.75	0.125	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
519	B50R.075.075*	0.75	0.0	0.75	0.25	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
520	B42R.087.075*	0.75	0.0	0.875	0.75	0.5	32.1	0.0	0.25	39.4	0.0	0.875	46.6	58.6	-5.6	58.6	281	0.0	0.0	0.875	0.0	
521	B36R.100.087*	0.75	0.0	1.0	0.875	0.562	31.4	0.0	0.25	39.4	0.0	0.875	46.6	58.6	-5.6	58.6	281	0.0	0.0	0.875	0.0	
522	R15Y.075.075*	0.75	0.0	0.75	0.051	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
523	R30Y.075.075*	0.75	0.0	0.75	0.125	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
524	R45Y.075.075*	0.75	0.0	0.75	0.25	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
525	R60Y.075.075*	0.75	0.0	0.75	0.375	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
526	R75Y.075.075*	0.75	0.0	0.75	0.5	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
527	B60R.075.075*	0.75	0.0	0.75	0.125	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
528	B50R.075.075*	0.75	0.0	0.75	0.25	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
529	B42R.087.075*	0.75	0.0	0.875	0.75	0.5	32.1	0.0	0.25	39.4	0.0	0.875	46.6	58.6	-5.6	58.6	281	0.0	0.0	0.875	0.0	
530	B36R.100.087*	0.75	0.0	1.0	0.875	0.562	31.4	0.0	0.25	39.4	0.0	0.875	46.6	58.6	-5.6	58.6	281	0.0	0.0	0.875	0.0	
531	R15Y.075.075*	0.75	0.0	0.75	0.051	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
532	R30Y.075.075*	0.75	0.0	0.75	0.125	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
533	R45Y.075.075*	0.75	0.0	0.75	0.25	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
534	R60Y.075.075*	0.75	0.0	0.75	0.375	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
535	R75Y.075.075*	0.75	0.0	0.75	0.5	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
536	B60R.075.075*	0.75	0.0	0.75	0.125	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
537	B50R.075.075*	0.75	0.0	0.75	0.25	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
538	B42R.087.075*	0.75	0.0	0.875	0.75	0.5	32.1	0.0	0.25	39.4	0.0	0.875	46.6	58.6	-5.6	58.6	281	0.0	0.0	0.875	0.0	
539	B36R.100.087*	0.75	0.0	1.0	0.875	0.562	31.4	0.0	0.25	39.4	0.0	0.875	46.6	58.6	-5.6	58.6	281	0.0	0.0	0.875	0.0	
540	R15Y.075.075*	0.75	0.0	0.75	0.051	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
541	R30Y.075.075*	0.75	0.0	0.75	0.125	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
542	R45Y.075.075*	0.75	0.0	0.75	0.25	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
543	R60Y.075.075*	0.75	0.0	0.75	0.375	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
544	R75Y.075.075*	0.75	0.0	0.75	0.5	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	
545	B60R.075.075*	0.75	0.0	0.75	0.125	0.0	41.6	49.9	35.6	61.3	0.0	0.125	41.0	65.6	31.7	51.1	33	0.0	0.068	0.0	0.0	

see similar files: <http://130.149.60.45/~farbmetrik/QE98/QE98.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

http://130.149.60.45/~farbmeterik/QE98/QE98L0NP.PDF /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/33

TUB-test chart QE98; hue code: H*_e=G50B colors and differences, ΔE^* ,

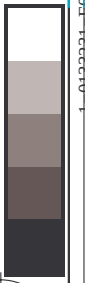
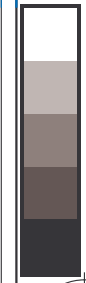
input: *rgb/cmyk* → *rgb_e*
output: transfer to *cmy_e*

[illegible]



TUB registration: 20130201-QE98/QE98L0NP.PDF /.PS TUB material: code=rha4ta application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE98/QE98L0NP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33



see similar files: <http://130.149.60.45/~farbmetrik/QE98/QE98L0NP.PDF> technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

n	HC*Fe	rgb_Fe	ic*_Fe	h*_Fe	rgb*Fe	LabCh*Fe	LabCh*Fe	DF*Fe	h*_Fe	rgb*Fe	LabCh*Fe
1053	NW_086e	0.866 0.866 0.866	0.866 0.866 0.866	360 360 360	0.866 0.866 0.866	86.1 1.2 3.4	86.1 1.2 3.4	3.7 69.9 3.7	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1054	NW_093e	0.933 0.933 0.933	0.933 0.933 0.933	360 360 360	0.933 0.933 0.933	90.8 0.4 1.4	90.8 0.4 1.4	1.5 71.6 1.5	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1055	NW_100e	1.0 1.0 1.0	1.0 1.0 1.0	360 360 360	1.0 1.0 1.0	95.6 0.0 0.1	95.6 0.0 0.1	0.1 114.3 0.1	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1056	NW_000e	0.0 0.0 0.0	0.0 0.0 0.0	360 360 360	0.0 0.0 0.0	23.0 0.7 -0.9	23.0 0.7 -0.9	1.1 308.5 1.1	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1057	NW_006e	0.066 0.066 0.066	0.066 0.066 0.066	360 360 360	0.066 0.066 0.066	25.6 5.5 0.6	25.6 5.5 0.6	6.7 6.5 6.7	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1058	NW_013e	0.133 0.133 0.133	0.133 0.133 0.133	360 360 360	0.133 0.133 0.133	28.2 8.3 3.4	28.2 8.3 3.4	9.0 22.4 9.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1059	NW_020e	0.2 0.2 0.2	0.2 0.2 0.2	360 360 360	0.2 0.2 0.2	32.0 10.0 5.8	32.0 10.0 5.8	11.6 30.4 11.6	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1060	NW_026e	0.266 0.266 0.266	0.266 0.266 0.266	360 360 360	0.266 0.266 0.266	36.7 10.4 8.7	36.7 10.4 8.7	12.4 44.7 12.4	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1061	NW_033e	0.333 0.333 0.333	0.333 0.333 0.333	360 360 360	0.333 0.333 0.333	40.7 10.4 8.9	40.7 10.4 8.9	13.3 40.7 13.3	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1062	NW_040e	0.4 0.4 0.4	0.4 0.4 0.4	360 360 360	0.4 0.4 0.4	46.8 8.7 10.2	46.8 8.7 10.2	14.7 48.4 14.7	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1063	NW_046e	0.466 0.466 0.466	0.466 0.466 0.466	360 360 360	0.466 0.466 0.466	51.8 8.8 9.9	51.8 8.8 9.9	15.6 51.6 15.6	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1064	NW_053e	0.533 0.533 0.533	0.533 0.533 0.533	360 360 360	0.533 0.533 0.533	57.5 7.3 9.2	57.5 7.3 9.2	11.8 56.7 11.8	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1065	NW_060e	0.6 0.6 0.6	0.6 0.6 0.6	360 360 360	0.6 0.6 0.6	63.6 5.2 8.3	63.6 5.2 8.3	57.5 10.1 57.5	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1066	NW_066e	0.666 0.666 0.666	0.666 0.666 0.666	360 360 360	0.666 0.666 0.666	69.3 5.8 6.5	69.3 5.8 6.5	8.1 53.5 8.1	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1067	NW_073e	0.734 0.734 0.734	0.734 0.734 0.734	360 360 360	0.734 0.734 0.734	74.5 4.8 5.2	74.5 4.8 5.2	69.4 3.6 69.4	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1068	NW_080e	0.8 0.8 0.8	0.8 0.8 0.8	360 360 360	0.8 0.8 0.8	80.5 2.7 3.4	80.5 2.7 3.4	71.7 1.5 71.7	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1069	NW_086e	0.866 0.866 0.866	0.866 0.866 0.866	360 360 360	0.866 0.866 0.866	86.1 1.2 3.4	86.1 1.2 3.4	118.4 0.1 118.4	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1070	NW_093e	0.933 0.933 0.933	0.933 0.933 0.933	360 360 360	0.933 0.933 0.933	90.7 0.4 1.4	90.7 0.4 1.4	2.8 299.2 2.8	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1071	NW_100e	1.0 1.0 1.0	1.0 1.0 1.0	360 360 360	1.0 1.0 1.0	95.7 0.0 0.0	95.7 0.0 0.0	0.0 138.7 0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1072	NW_000e	0.0 0.0 0.0	0.0 0.0 0.0	360 360 360	0.0 0.0 0.0	23.3 1.3 -2.4	23.3 1.3 -2.4	0.0 32.8 0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6
1073	ROY_100_100e	1.0 0.0 0.0	1.0 0.0 0.0	360 360 360	1.0 0.0 0.0	45.6 70.5 45.6	45.6 70.5 45.6	83.9 18.2 13.5	360 360 360	1.0 0.0 0.0	25.4 80.0 25.4
1074	G50B_100_100e	0.0 1.0 0.0	0.0 1.0 0.0	360 360 360	0.0 1.0 0.0	55.0 72.2 55.0	55.0 72.2 55.0	36.0 83.6 36.0	360 360 360	0.0 1.0 0.0	216.9 216.9 216.9
1075	Y06C_100_100e	0.0 0.0 1.0	0.0 0.0 1.0	360 360 360	0.0 0.0 1.0	74.7 34.4 74.7	74.7 34.4 74.7	95.7 95.7 95.7	360 360 360	0.0 0.0 1.0	90.4 90.4 90.4
1076	B06C_100_100e	0.0 1.0 0.0	0.0 1.0 0.0	360 360 360	0.0 1.0 0.0	48.6 50.1 48.6	48.6 50.1 48.6	36.0 83.6 36.0	360 360 360	1.0 0.0 0.0	40.6 40.6 40.6
1077	P06C_100_100e	0.0 0.0 0.0	0.0 0.0 0.0	360 360 360	0.0 0.0 0.0	29.8 28.0 29.8	29.8 28.0 29.8	13.5 13.5 13.5	360 360 360	0.0 0.0 0.0	161.7 161.7 161.7
1078	B50B_100_100e	0.0 1.0 1.0	0.0 1.0 1.0	360 360 360	0.0 1.0 1.0	40.2 31.1 40.2	40.2 31.1 40.2	46.6 46.6 46.6	360 360 360	0.0 0.0 1.0	40.2 40.2 40.2
1079	B50R_100_100e	1.0 0.0 0.0	1.0 0.0 0.0	360 360 360	1.0 0.0 0.0	45.8 79.2 45.8	45.8 79.2 45.8	359.8 45.2 288	360 360 360	0.321 0.0 1.0	31.1 31.1 31.1

Mean color difference of this page: delta E* = 10.3

input: rgb/cmyk -> rgbe output: transfer to cmy0e

TUB-test chart QE98: hue code: H*_e=G50B_e colors and differences, ΔE*'