

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 116/360 = 0.32$

$H^*_- = Y50G_-$

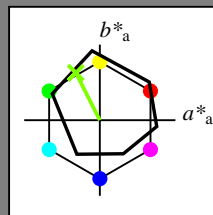
Data for any device (d) or elementary (e) colour:

HIC^*_-

hue text for the colours of this page:

$H^*_- = Y50G_-$

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):

$LabCh^*_{-,Ma}: 73 \ -31 \ 62 \ 70 \ 116$

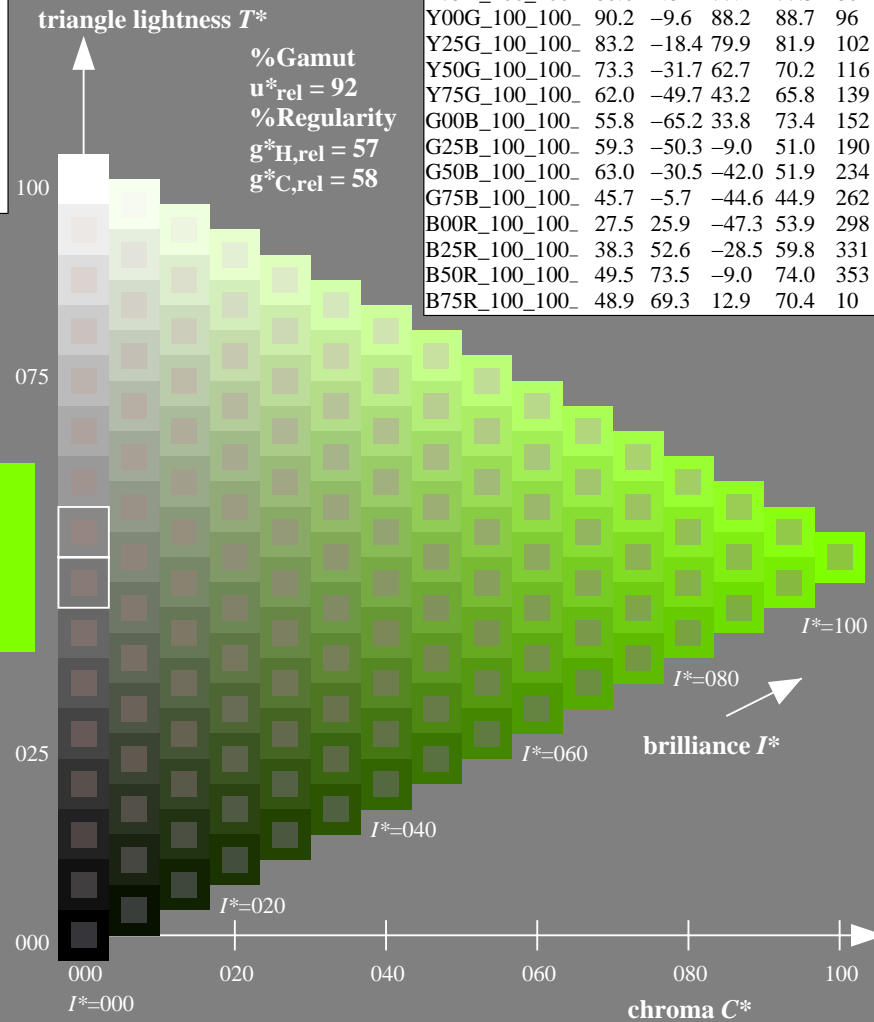
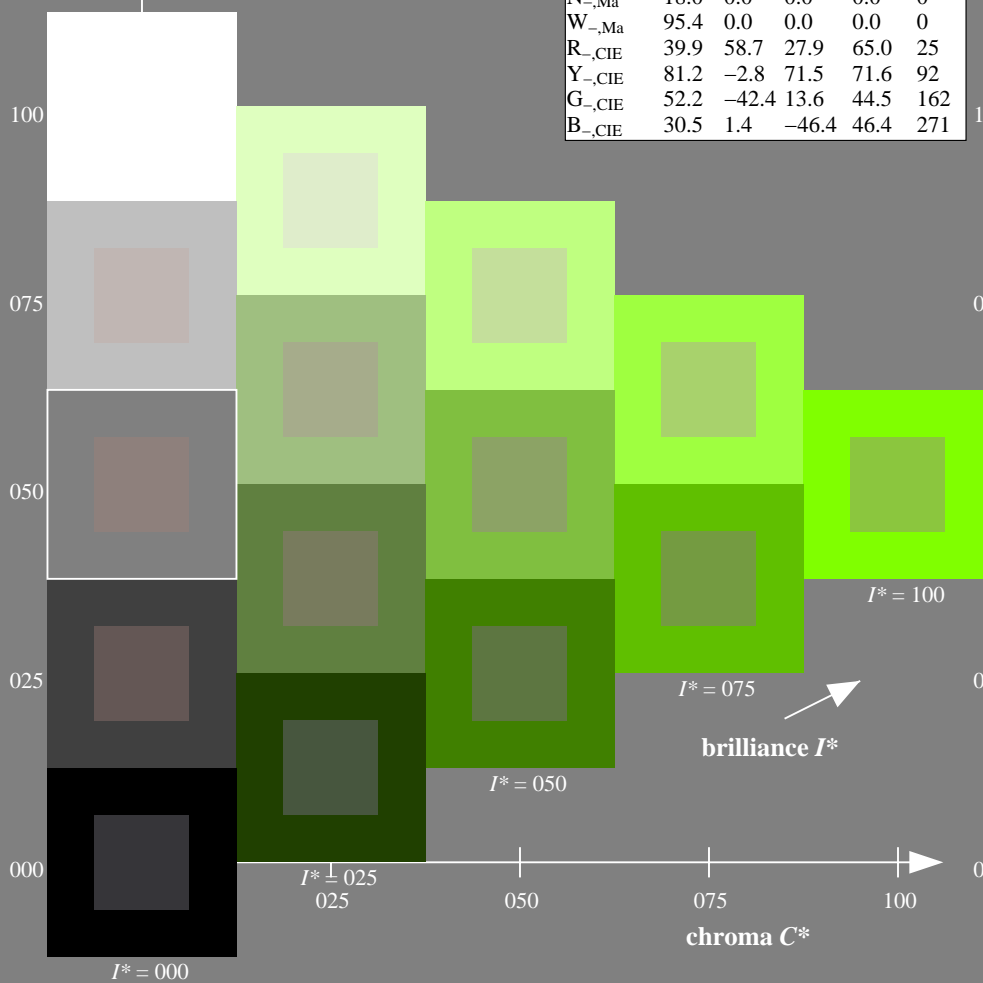
$HIC^*_{-,Ma}: Y50G_100_100_$

$rgbic^*_{-,Ma}: 0.5 \ 1.0 \ 0.0 \ 1.0 \ 1.0$

triangle lightness T^*

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



%Gamut
 $u^*_{rel} = 92$
 %Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 58$

see similar files: <http://130.149.60.45/~farbmetrik/QE55/QE55.HTM>
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE55/QE55L0NP.PDF /.PS
 application for measurement of offset print output

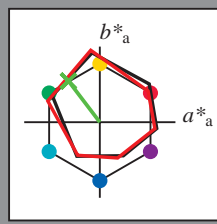
TUB material: code=rh4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 127/360 = 0.35$

$H^*_e = Y50G_e$

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

HIC^*_e
hue text for the colours of this page:
 $H^*_e = Y50G_e$
triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
Re,Ma	47.6	64.9	30.9	71.9	25
Ye,Ma	82.9	-3.5	87.8	87.9	92
Ge,Ma	52.4	-67.1	21.5	70.5	162
Ce,Ma	56.6	-39.7	-29.9	49.8	216
Be,Ma	37.9	1.3	-45.4	45.4	271
Me,Ma	34.8	49.2	-30.0	57.7	328
Ne,Ma	17.7	0.0	0.0	0.0	0
We,Ma	95.4	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

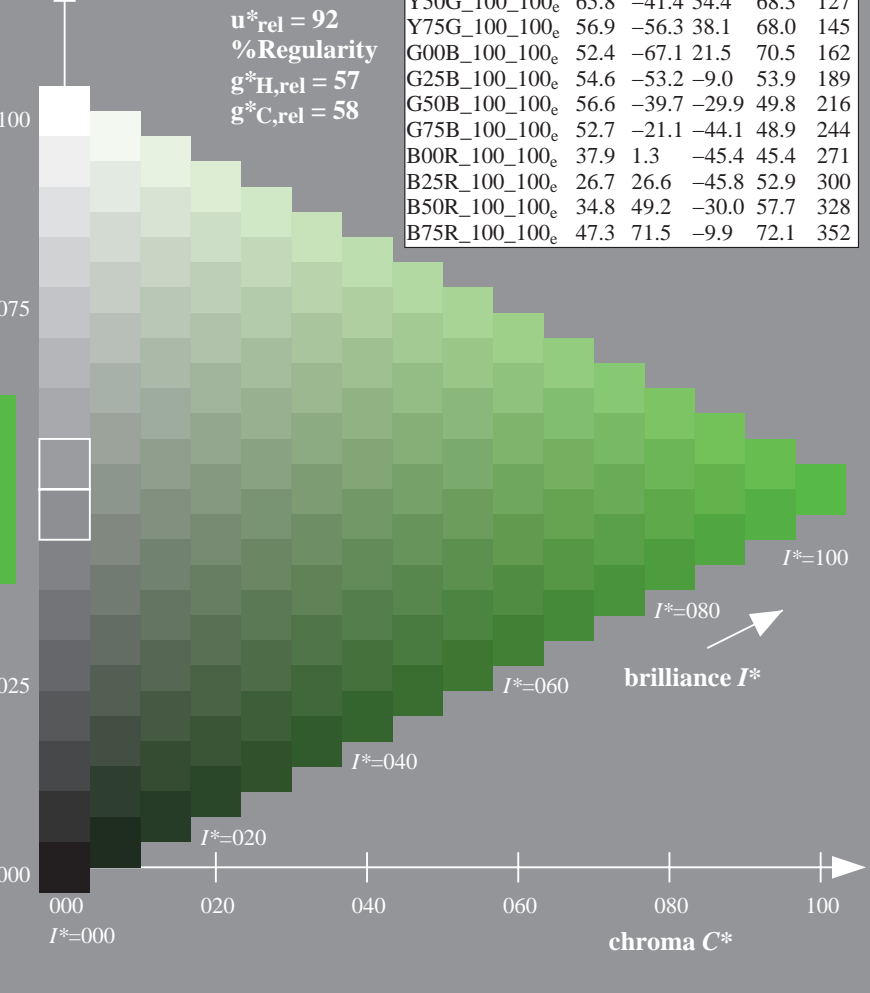
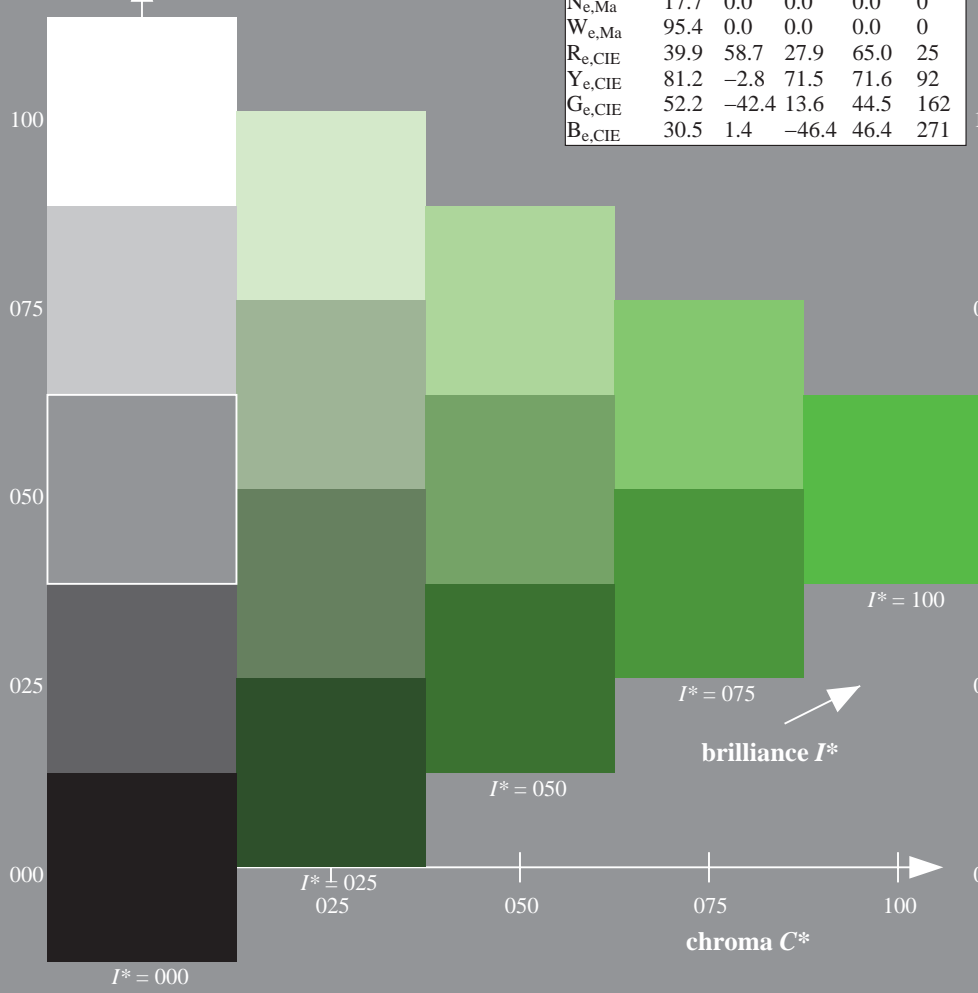
Data for maximum colour (Ma):

$LabCh^*_{e, Ma}$: 65 -41 54 68 127
 $HIC^*_{e, Ma}$: Y50G_100_100_e
 $rgbic^*_{e, Ma}$:
0.32 1.0 0.0 1.0 1.0

ORS20a; adapted (a) CIELAB data

H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	47.6	64.9	30.9	71.9	25
R25Y_100_100_e	51.5	54.2	47.2	71.9	41
R50Y_100_100_e	60.3	35.6	59.0	68.9	58
R75Y_100_100_e	70.4	17.0	72.2	74.1	76
Y00G_100_100_e	82.9	-3.5	87.8	87.9	92
Y25G_100_100_e	76.9	-25.5	75.9	80.1	108
Y50G_100_100_e	65.8	-41.4	54.4	68.3	127
Y75G_100_100_e	56.9	-56.3	38.1	68.0	145
G00B_100_100_e	52.4	-67.1	21.5	70.5	162
G25B_100_100_e	54.6	-53.2	-9.0	53.9	189
G50B_100_100_e	56.6	-39.7	-29.9	49.8	216
G75B_100_100_e	52.7	-21.1	-44.1	48.9	244
B00R_100_100_e	37.9	1.3	-45.4	45.4	271
B25R_100_100_e	26.7	26.6	-45.8	52.9	300
B50R_100_100_e	34.8	49.2	-30.0	57.7	328
B75R_100_100_e	47.3	71.5	-9.9	72.1	352

triangle lightness T^*
%Gamut
 $u^*_{rel} = 92$
%Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 58$



see similar files: http://130.149.60.45/~farbmetrik/QE55/QE55.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

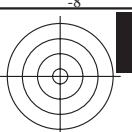
TUB registration: 20130201-QE55/QE55L0NP.PDF /.PS
application for measurement of offset print output, separation cmykn6 (CMYK)
TUB material: code=rh4ta

1-013130-L0 QE550-71

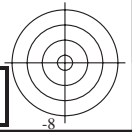
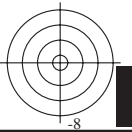
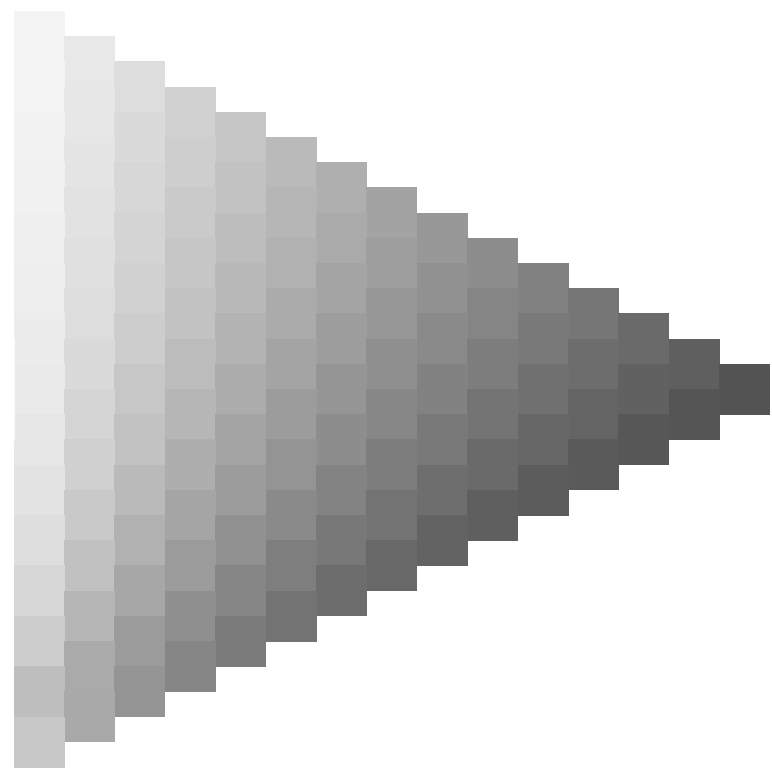
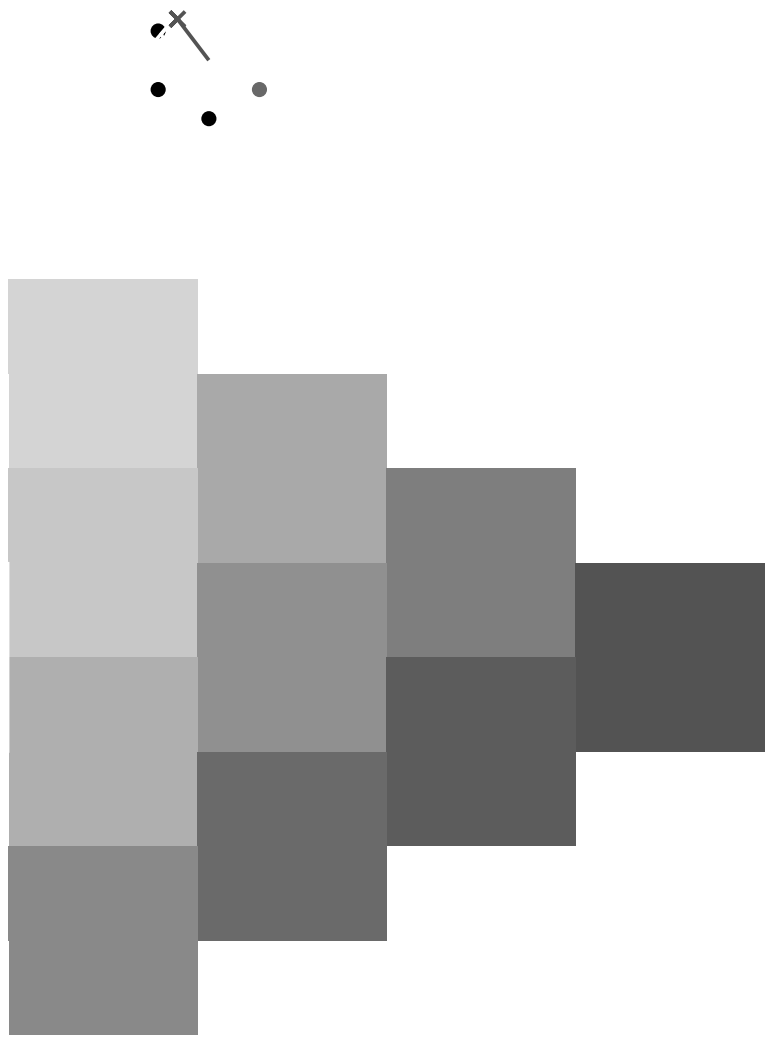
TUB-test chart QE55; hue code: $H^*_e = Y50G_e$
Test chart according to DIN 33872, 3D=0, de=1, cmyk

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

1-013130-F0



see similar files: <http://130.149.60.45/~farbmetrik/QE55/QE55.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

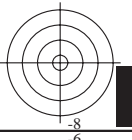
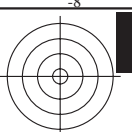
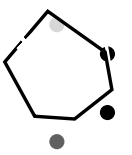
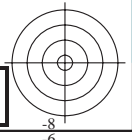


1-013230-L0 QE550-71

TUB-test chart QE55; hue code: $H^*_e=Y50G_e$
Test chart according to DIN 33872, 3D=0, de=1, cmyk

input: *rgb/cmyk* -> *rgb_e*
output: transfer to *cmyk_e*

1-013230-E0

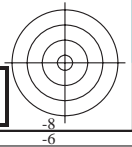
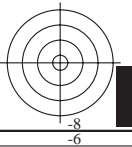
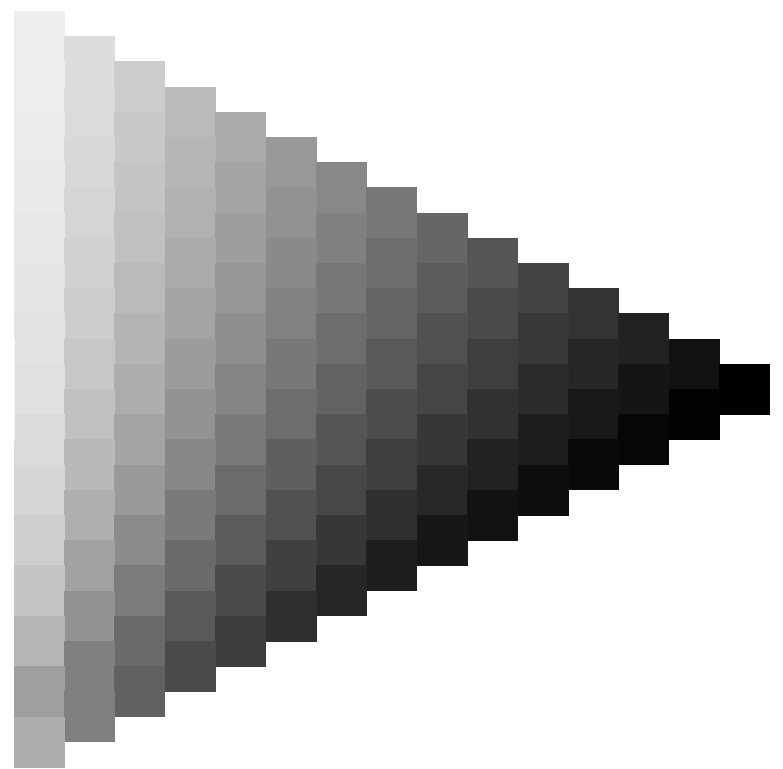
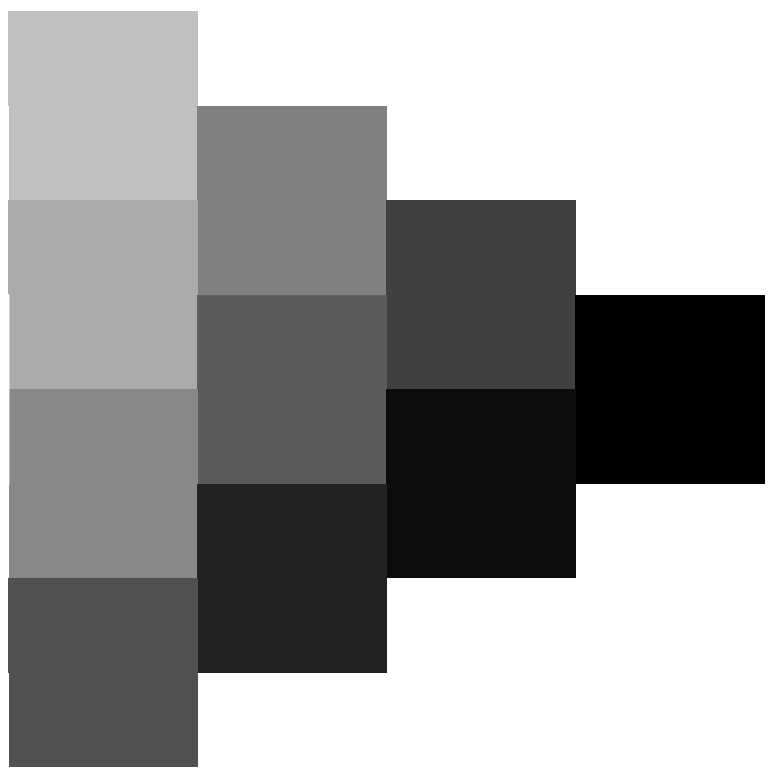
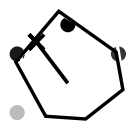
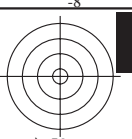


see similar files: <http://130.149.60.45/~farbmetrik/QE55/QE55.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

1-013330-L0 QE550-71

TUB-test chart QE55; hue code: $H^*_e=Y50G_e$
Test chart according to DIN 33872, 3D=0, de=1, cmyk

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

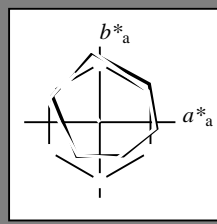


Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 127/360 = 0.35$

$H^*_e = Y50G_e$

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

HIC^*_e
hue text for the colours of this page:
 $H^*_e = Y50G_e$
triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
Re,Ma	47.6	64.9	30.9	71.9	25
Ye,Ma	82.9	-3.5	87.8	87.9	92
Ge,Ma	52.4	-67.1	21.5	70.5	162
Ce,Ma	56.6	-39.7	-29.9	49.8	216
Be,Ma	37.9	1.3	-45.4	45.4	271
Me,Ma	34.8	49.2	-30.0	57.7	328
Ne,Ma	17.7	0.0	0.0	0.0	0
We,Ma	95.4	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):

$LabCh^*_{e, Ma}: 65 \ -41 \ 54 \ 68 \ 127$

$HIC^*_{e, Ma}: Y50G_100_100_e$

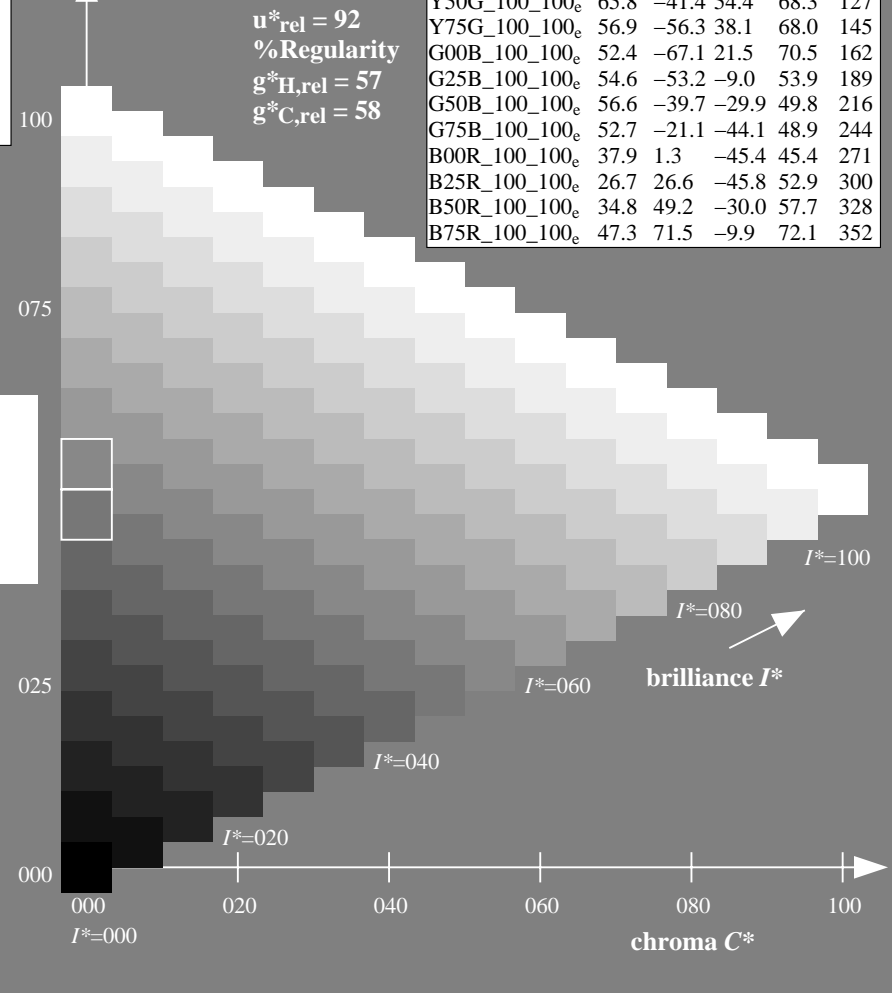
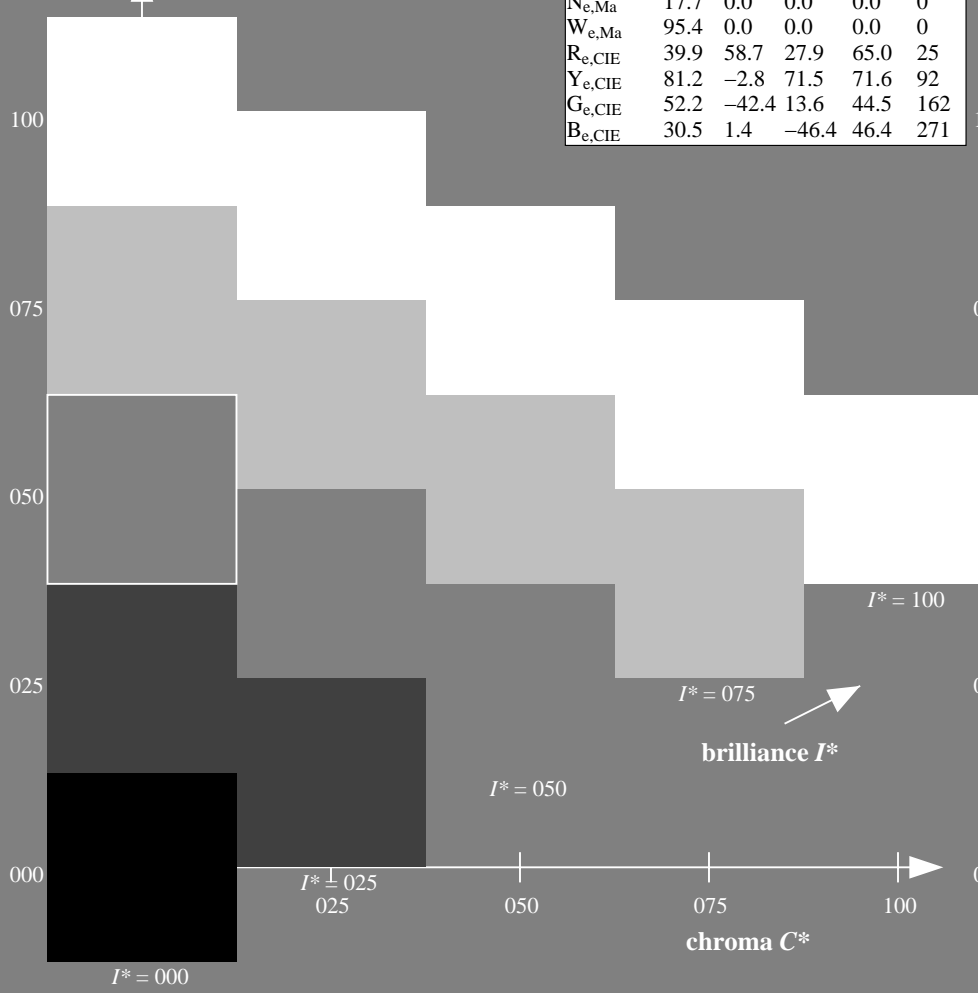
$rgbic^*_{e, Ma}: 0.32 \ 1.0 \ 0.0 \ 1.0 \ 1.0$

triangle lightness T^*

ORS20a; adapted (a) CIELAB data

H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	47.6	64.9	30.9	71.9	25
R25Y_100_100_e	51.5	54.2	47.2	71.9	41
R50Y_100_100_e	60.3	35.6	59.0	68.9	58
R75Y_100_100_e	70.4	17.0	72.2	74.1	76
Y00G_100_100_e	82.9	-3.5	87.8	87.9	92
Y25G_100_100_e	76.9	-25.5	75.9	80.1	108
Y50G_100_100_e	65.8	-41.4	54.4	68.3	127
Y75G_100_100_e	56.9	-56.3	38.1	68.0	145
G00B_100_100_e	52.4	-67.1	21.5	70.5	162
G25B_100_100_e	54.6	-53.2	-9.0	53.9	189
G50B_100_100_e	56.6	-39.7	-29.9	49.8	216
G75B_100_100_e	52.7	-21.1	-44.1	48.9	244
B00R_100_100_e	37.9	1.3	-45.4	45.4	271
B25R_100_100_e	26.7	26.6	-45.8	52.9	300
B50R_100_100_e	34.8	49.2	-30.0	57.7	328
B75R_100_100_e	47.3	71.5	-9.9	72.1	352

%Gamut
 $u^*_{rel} = 92$
%Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 58$



see similar files: http://130.149.60.45/~farbmetrik/QE55/QE55.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE55/QE55L0NP.PDF /.PS
application for measurement of offset print output, separation cmyk6 (CMYK)
TUB material: code=rh4ta

1-013530-L0 QE550-71

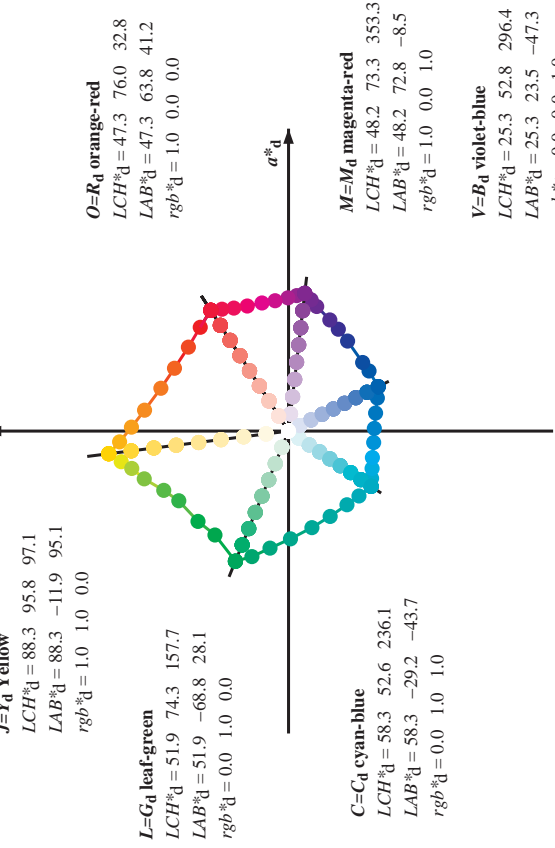
TUB-test chart QE55; hue code: $H^*_e=Y50G_e$
Test chart according to DIN 33872, 3D=0, de=1, cmyk

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

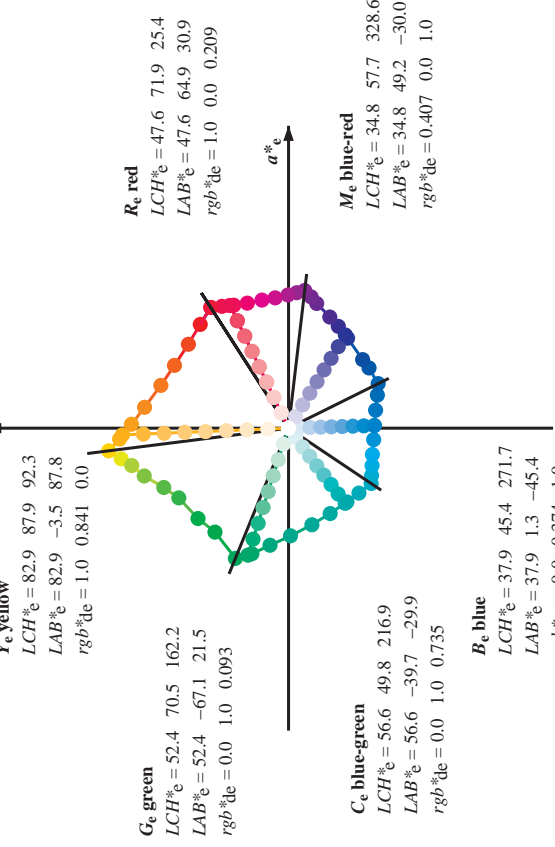
1-013530-F0

Data of Maximum color, M in colorimetric system Offset standard print; separation cmyk6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
 Six hue angles of the device colours RYGBM; $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours RYGBM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

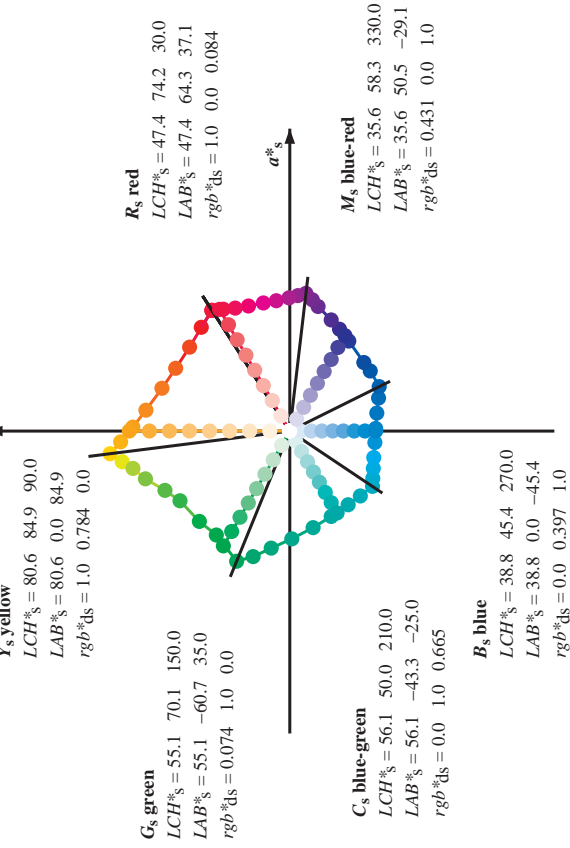
J=Y_d Yellow
 device CIELAB (a^*_d, b^*_d) chroma diagram



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



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



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

- For the rgb^*_s -input values the CIELAB data LCH^*_s and LAB^*_s have been calculated.
- For the calculation of the standard hue angle h_{max} use for any device values rgb^*_s the equation:
 $h_{abs} = \arctan \left[r^*_q \cos(30) + g^*_q \sin(150) \right] / \left[r^*_q \sin(30) + g^*_q \sin(150) \right] + b^*_q \sin(270) \quad (1)$
- For the 48 or 360 equally spaced standard hue angles h_{max} of the colours of maximum chroma use the seven hue angles of the 60 degree colours s : $h_{abs} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:
 $h_{48abs,ij} = h_{abs,i} + j [h_{abs,i+1} - h_{abs,i}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$
 $h_{360abs,ij} = h_{abs,i} + j [h_{abs,i+1} - h_{abs,i}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$
- For the 48 or 360 elementary hue angles h_{max} of the colours of maximum chroma use the seven hue angles of the elementary colours e : $h_{abs} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:
 $h_{48abs,ej} = h_{abs,e} + j [h_{abs,e+1} - h_{abs,e}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$
 $h_{360abs,ej} = h_{abs,e} + j [h_{abs,e+1} - h_{abs,e}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$
- For any elementary hue angle h_{max} there is a well defined device hue angle h_{ds} see the following tables, columns 1 to 4 or 1 to 4.
- The values rgb^*_s produce the output of the device-independent elementary hues

Data of Maximum color, M in colorimetric system Offset standard print; separation cmykn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM; Lab,ab,d = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBCM; Lab,ab,d = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGBCM; Lab,ab,e = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with 17 columns: h_ab,d, h_ab,e, Lab*_dd64M, Lab*_d30M, Lab*_d90M, Lab*_d150M, Lab*_d210M, Lab*_d270M, Lab*_d330M, Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh), Lab*_d361M (x=LabCh)

Input: rgb/cmyk -> rgbe output: transfer to cmyke

Output: Offset standard print; separation cmykn6*, D65, page 8/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmykn6*: 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;
Six hue angles of the device colours RYGBM; h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGBM; h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with columns for hue angles (h_{ab,d}, h_{ab,s}, h_{ab,e}, rgb%) and various colorimetric values (LAB* and RGB* for different colorants and standards like LabCh and LabM).

LAB*_{ab,d}, YN=0%, XYZnw=2,4,2,5,2,6,85,1,88,8,104,3, LAB*nw=17,7,0,0,0,95,5,0,0,0
I-0131030-L0 QE550-71
LAB*_{ab,d}, YN=0%, XYZnw=2,4,2,5,2,6,85,1,88,8,104,3, LAB*nw=17,7,0,0,0,95,5,0,0,0
Input: rgb/cmyk -> rgb
Output: transfer to cmyk



http://130.149.60.45/~farbmetrik/QE55/QE55L0NP.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 cmyk6*; 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; Six hue angles of the device colours RYGBM; h_ab,d = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGBM; h_ab,e = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with columns: h_ab,d, h_ab,s, h_ab,e, rgb*_ds361MI, LAB*_ds361MI, C_d, rgb*_dd361MI, LAB*_dd361MI, rgb*_de361MI, LAB*_de361MI, rgb*_dd361MI, LAB*_dd361MI, rgb*_ds361MI, LAB*_ds361MI, rgb*_de361MI, LAB*_de361MI, rgb*_dd361MI, LAB*_dd361MI. It contains 288 rows of colorimetric data for various hues and angles.

LAB*at0, YN=0%, XYZnw=2,4,2,5,2,6,85,1,88,8,104,3, LAB*rw=17,7,0,0,0,95,5,0,0,0,0 input: rgb/cmyk -> rgb output: transfer to cmyk

Output: Offset standard print; separation cmyk6*; D65, page 14/33



see similar files: http://130.149.60.45/~farbmetrik/QE55/QE55.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE55/QE55L0NP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 16/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmyk6* 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;

Table with 10 columns: h_ab,d, h_ab,s, h_ab,e, rg b* dd361M, LAB* dcs361M (x=LabCh), rg b* dcs361M (x=LabCh), LAB* dex361M (x=LabCh), rg b* dex361M (x=LabCh), LAB* dex361M (x=LabCh), rg b* dex361M (x=LabCh), rg b* dd361M, rg b* ds, rg b* ds, rg b* ds, rg b* ds. Rows 333-360.

LAB*lab, YN=0%, XY,Znw=2.4,2.5,2.6,85.1,88.8,104.3, LAB*rw=17.7,0.0,0.0,95.5,0.0,0.0

TUB-test chart QE55; hue code: H_e=Y50G_e input: rgb/cmyk -> rgbe output: transfer to cmyke

48 step hue circles; rg b-LabCh*tables

http://130.149.60.45/~farbmetrik/QE55/QE55L0NP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 17/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmyk6*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; h_ab,ab = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with columns: h_ab,d, h_ab,s, h_ab,e, h_ab,ab, L*a*b*, d*361M, L*a*b*, d*361MI, L*a*b*, d*361M, L*a*b*, d*361MI, L*a*b*, d*361M, L*a*b*, d*361MI, R_d, and 60 columns of colorimetric data.

Input: rgb/cmyk -> rgbe output: transfer to cmyke

Output: Offset standard print; separation cmyk6*; D65, page 17/33





http://130.149.60.45/~farbmetrik/QE55/QE55L0NP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/33

Table with 19 columns: nrf, HHC*Fe, rpb*Fe, iCr*Fe, iAs*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, rpb*Fe, LabCh*Fe, DF*Fe, rpb*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, DF*Fe, rpb*Fe, LabCh*Fe. Each row contains 19 numerical values.

Mean color difference of this page: delta E* = 17.3

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

TUB-test chart QE55; hue code: H*_e = Y50G_e colors and differences, ΔE*'



TUB registration: 20130201-QE55/QE55LONP.PDF /.PS TUB material: code=rha4ta application for measurement of offset print output, separation cmyk6 (CMYK)

Table with columns: nuj, HHC*Fe, rpb*Fe, icr*Fe, hsr*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, DF*Fe, HaM*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, DF*Fe, HaM*Fe, rpb*Fe. It contains multiple rows of color calibration data.

Mean color difference of this page: delta E* = 12.3

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

TUB-test chart QE55; hue code: H*_e=Y50G_e colors and differences, ΔE*'

see similar files: http://130.149.60.45/~farbmetrik/QE55/QE55.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Table with 80 columns (numbered 1-80) and 10 rows of colorimetric data including LabCIE, LabCMYK, Hsb, and Delta E* values.

see similar files: http://130.149.60.45/~farbmatrik/QE55/QE55LONP.PDF /.PS; transfer output technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmatrik

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

TUB-test chart QE55; hue code: H*e=Y50Ge colors and differences, ΔE*

Table with columns: n, HHC*Fe, rgb*Fe, iet*Fe, hsa*Fe, rgb*Fe, LabCh*Fe, LabCh*Fe, LabCh*Fe, DF*Fe, hAm*Fe, rgb*Fe, LabCh*Fe, LabCh*Fe. Rows 81-161.

Mean color difference of this page: delta E* = 11.2

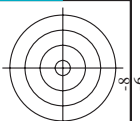
input: rgb/cmyk -> rgbe output: transfer to cmyke

TUB-test chart QE55; hue code: H*e=Y50Ge colors and differences, AE*'

http://130.149.60.45/~farbmetrik/QE55/QE55LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 22/33

Table with 16 columns: n, HHC*Fe, rpb*Fe, icr*Fe, HsL*Fe, rpb*Fe, LabC*Fe, LabCH*Fe, rpb*Fe, DF*Fe, HsM*Fe, LabCH*Fe, rpb*Fe, LabCH*Fe, rpb*Fe, LabCH*Fe. Rows include color names like ROOY, B50R, Y50G, etc.

Mean color difference of this page: delta E* = 11.3 input: rgb/cmyk -> rgbe output: transfer to cmyke



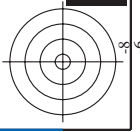
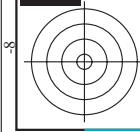
http://130.149.60.45/~farbmetrik/QE55/QE55LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 23/33

Color calibration table with columns: n, H#C*Fe, r#g#b#Fe, iet*Fe, Hs*Fa, r#g#b#Fe, LabC*H*Fe, LabCh*Fe, DF*Fe, Hm*Fe, r#g#b#Fe, LabCh*Fe, and Delta E*ab. It lists 323 color patches and their corresponding colorimetric values.

QE550-TN; Page 23/33-F

TUB-test chart QE55; hue code: H*e=Y50G*e colors and differences, ΔE*

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



I=1032230-F0



http://130.149.60.45/~farbmetrik/QE55/QE55LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/33

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

Table with 15 columns: n, HHC*Fe, rpb*Fe, icr*Fe, hsa*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe, LabCH*Fe, DF*Fe, HaMe, rpb*Fe, LabCH*Fe. Rows 324-404 contain colorimetric data for various color patches.

Mean color difference of this page: delta E* = 12.8

QE5501L

QE5501L

QE5501L

QE5501L

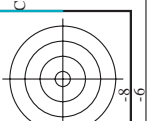


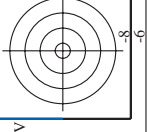
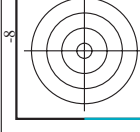
Table with columns: n, H#C*Fe, Rgb*Fe, iet*Fe, Hs*Fe, Rgb*Fe, LabCIE*Fe, Hs*Fe, Rgb*Fe, LabCIE*Fe, DF*Fe, Hs*Fe, Rgb*Fe, LabCIE*Fe. Rows 405-485.

QE55011 - Page 25/33-F

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

TUB-test chart QE55; hue code: H*_e=Y50G_e colors and differences, ΔE*_*

I=0132430-F0



QE5501L

QE5501L

QE5501L

QE5501L

see similar files: http://130.149.60.45/~farbmetrik/QE55/QE55.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE55/QE55LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 27/33

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

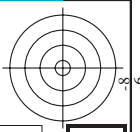
Table with 15 columns: n, H#C#Fe, Rgb#Fe, LabC#Fe, LabC#Fe, LabC#Fe, LabC#Fe, LabC#Fe, LabC#Fe, LabC#Fe, LabC#Fe, LabC#Fe, LabC#Fe, LabC#Fe, LabC#Fe. Rows include color names like R00Y, R00M, R00C, etc.

QE550-7N; Page 27/33-F

TUB-test chart QE55; hue code: H*e=Y50Ge colors and differences, ΔE*

I=1032630-F0

delta E* = 13.3



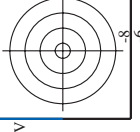
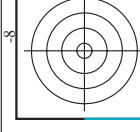
http://130.149.60.45/~farbmatrik/QE55/QE55LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/33

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

Table with 24 columns: n, H*E, H*E, iE, iE, rE, rE, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E, LabCH*E. Rows list color patches and their corresponding colorimetric values.

Mean color difference of this page:

delta E* = 14.4



TUB-test chart QE55; hue code: H*e=Y50Gc colors and differences, ΔE*'



http://130.149.60.45/~farbmetrik/QE55/QE55LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 29/33

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

Table with 10 columns: n, H* C* M, r* g* b*, i* a* s*, Lab C* M* H, Lab C* M* H, r* g* b*, D50* Fe, Ha M*, Lab C* M* H, r* g* b*, D50* Fe, Ha M*, Lab C* M* H, r* g* b*, D50* Fe, Ha M*. Rows include color names like NV_100a, G50B_100.025a, etc.

Mean color difference of this page: delta E* = 9.3



http://130.149.60.45/~farbmatrik/QE55/QE55LONP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 30/33

Table with 21 columns: n, H#C*Fe, rpb*Fe, iet*Fe, H#s*Fe, rpb*Fe, LabCh*Fe, iet*Fe, LabCh*Fe, H#s*Fe, rpb*Fe, LabCh*Fe, DF*Fe, H#m*Fe, rpb*Fe, LabCh*Fe, DF*Fe, H#m*Fe, rpb*Fe, LabCh*Fe. The table contains numerical data for various color patches and registration marks.

Mean color difference of this page: delta E** = 11.3

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

TUB-test chart QE55; hue code: H*_e=Y50G_e
colors and differences, AE**

QE5501L

QE5501L

QE5501L

QE5501L

see similar files: http://130.149.60.45/~farbmetrik/QE55/QE55LONP.PDF /.PS; transfer output technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE55/QE55LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 31/33

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

Table with 10 columns: n, H#C*Fe, Hs, Fe, iet, Fe, rpb, Fe, LabC*H*Fe, LabCH*Fe, DF*Fe, HaM*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, Mean color difference of this page. Rows 891-971.

QE550-7N; Page 31/33-F

I-103303-F0

TUB-test chart QE55; hue code: H*e=Y50Ge colors and differences, ΔE*

http://130.149.60.45/~farbmetrik/QE55/QE55L0NP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33

n	HC*Fe	rgb*Fe	iet*Fe	hsa*Fe	rgb*Fe	LabCH*Fe	LabCH*Fe	rgb*Fe	DF*Fe	hsa*Fe	rgb*Fe	LabCH*Fe	LabCH*Fe	LabCH*Fe	LabCH*Fe
1053	NW_086e	0.866	0.866	0.866	0.866	0.866	89.4	-0.1	0.0	0.1	204.5	4.4	360	0.866	0.866
1054	NW_093e	0.933	0.933	0.933	0.933	0.933	92.2	0.0	0.0	0.0	177.8	1.9	360	0.933	0.933
1055	NW_100e	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	61.5	0.0	360	1.0	1.0
1056	NW_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.3	1.0	360	0.0	0.0
1057	NW_100e	0.066	0.066	0.066	0.066	0.066	22.8	0.0	0.0	0.1	151.6	0.5	360	0.066	0.066
1058	NW_013e	0.133	0.133	0.133	0.133	0.133	30.4	-0.1	0.0	0.1	242.3	2.4	360	0.133	0.133
1059	NW_020e	0.2	0.2	0.2	0.2	0.2	33.2	0.0	0.0	0.0	240.2	7.2	360	0.2	0.2
1060	NW_026e	0.266	0.266	0.266	0.266	0.266	38.3	-0.2	0.0	0.0	234.5	8.4	360	0.266	0.266
1061	NW_033e	0.333	0.333	0.333	0.333	0.333	43.6	-0.4	0.0	0.0	234.3	8.6	360	0.333	0.333
1062	NW_040e	0.4	0.4	0.4	0.4	0.4	48.8	-0.4	0.0	0.0	234.3	8.6	360	0.4	0.4
1063	NW_046e	0.466	0.466	0.466	0.466	0.466	53.9	-0.4	0.0	0.0	234.5	7.9	360	0.466	0.466
1064	NW_053e	0.533	0.533	0.533	0.533	0.533	59.1	-0.3	0.0	0.0	233.5	7.3	360	0.533	0.533
1065	NW_060e	0.6	0.6	0.6	0.6	0.6	64.3	-0.3	0.0	0.0	231.6	7.7	360	0.6	0.6
1066	NW_066e	0.666	0.666	0.666	0.666	0.666	69.5	-0.2	0.0	0.0	225.3	6.1	360	0.666	0.666
1067	NW_073e	0.734	0.734	0.734	0.734	0.734	74.7	-0.2	0.0	0.0	221.2	4.9	360	0.734	0.734
1068	NW_080e	0.8	0.8	0.8	0.8	0.8	79.9	-0.2	0.0	0.0	125.8	2.0	360	0.8	0.8
1069	NW_086e	0.866	0.866	0.866	0.866	0.866	85.0	-0.1	0.0	0.0	92.4	0.0	360	0.866	0.866
1070	NW_093e	0.933	0.933	0.933	0.933	0.933	90.2	0.0	0.0	0.0	78.4	2.3	360	0.933	0.933
1071	NW_100e	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	75.2	0.1	360	1.0	1.0
1072	NW_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.4	0.0	360	0.0	0.0
1073	NW_100e	0.0	0.0	0.0	0.0	0.0	17.7	0.0	0.0	0.1	78.4	2.3	360	0.0	0.0
1074	ROY_100_100e	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	75.2	0.1	360	1.0	1.0
1075	GS0B_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.4	0.0	360	0.0	0.0
1076	Y06C_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.4	0.0	360	0.0	0.0
1077	B06C_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.4	0.0	360	0.0	0.0
1078	B08C_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.4	0.0	360	0.0	0.0
1079	B50R_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.4	0.0	360	0.0	0.0

Mean color difference of this page: delta E* = 7.6

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

TUB-test chart QE55; hue code: H*_e=Y50G_e colors and differences, delta E*'

