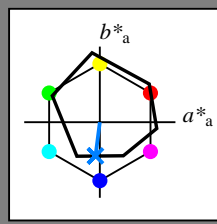


Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 262/360 = 0.72$

$H^*_ = G75B_$

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

$HIC^*_$
hue text for the colours of this page:
 $H^*_ = G75B_$
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
Y_.,Ma	90.3	-10.2	91.7	92.3
G_.,Ma	50.9	-62.8	34.9	71.9
C_.,Ma	58.6	-30.3	-45.0	54.2
B_.,Ma	25.7	31.0	-44.4	54.2
M_.,Ma	48.1	75.2	-8.3	75.7
N_.,Ma	18.0	0.0	0.0	0.0
W_.,Ma	95.4	0.0	0.0	0.0
R_.,CIE	39.9	58.7	27.9	65.0
Y_.,CIE	81.2	-2.8	71.5	71.6
G_.,CIE	52.2	-42.4	13.6	44.5
B_.,CIE	30.5	1.4	-46.4	46.4

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}$: 45 -5 -44 44 262

$HIC^*_{-,Ma}$: G75B_100_100_

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

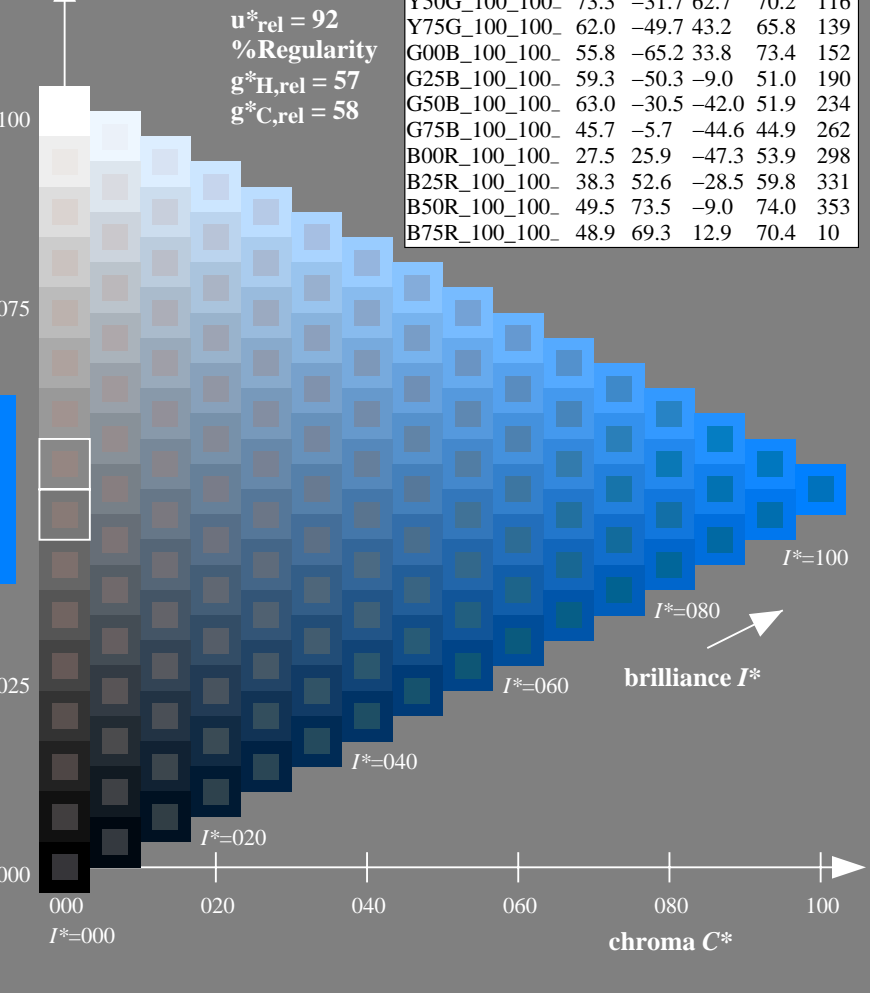
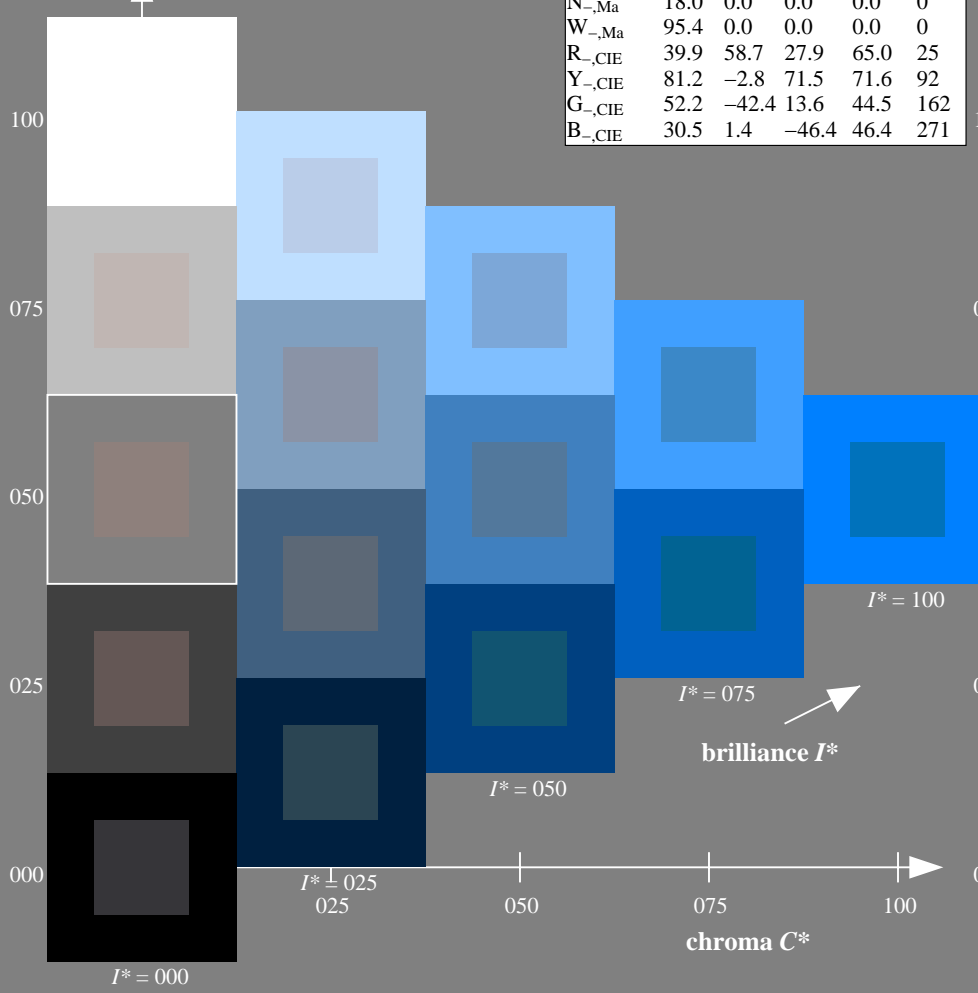
0.0 0.5 1.0 1.0 1.0

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
R25Y_100_100_	56.8	48.0	50.5	69.6
R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-31.7	62.7	70.2
Y75G_100_100_	62.0	-49.7	43.2	65.8
G00B_100_100_	55.8	-65.2	33.8	73.4
G25B_100_100_	59.3	-50.3	-9.0	51.0
G50B_100_100_	63.0	-30.5	-42.0	51.9
G75B_100_100_	45.7	-5.7	-44.6	44.9
B00R_100_100_	27.5	25.9	-47.3	53.9
B25R_100_100_	38.3	52.6	-28.5	59.8
B50R_100_100_	49.5	73.5	-9.0	74.0
B75R_100_100_	48.9	69.3	12.9	70.4

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



see similar files: http://130.149.60.45/~farbmetrik/RE08/RE08LOFA.TXT /PS
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

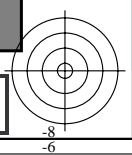
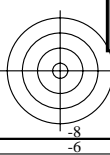
TUB registration: 20150701-RE08/RE08LOFA.TXT /PS
application for measurement of offset print output

TUB material: code=rh4ta

1-113031-L0 RE080-7N

TUB-test chart RE08; hue code: $H^*_ = G75B_$
Test chart according to DIN 33872, 3D=1, de=1, cm_y0^*

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



Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 244/360 = 0.67$

$H^*_e = G75B_e$

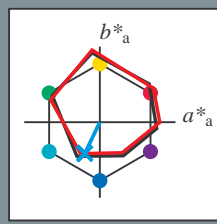
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = G75B_e$

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
$Y_{e, Ma}$	83.6	-3.6	90.4	90.4
$G_{e, Ma}$	50.6	-62.1	19.9	65.2
$C_{e, Ma}$	55.0	-36.2	-27.2	45.3
$B_{e, Ma}$	40.2	1.2	-40.6	40.6
$M_{e, Ma}$	31.1	47.7	-29.1	55.9
$N_{e, Ma}$	24.3	0.0	0.0	0.0
$W_{e, Ma}$	95.6	0.0	0.0	0.0
$R_{e, CIE}$	39.9	58.7	27.9	65.0
$Y_{e, CIE}$	81.2	-2.8	71.5	71.6
$G_{e, CIE}$	52.2	-42.4	13.6	44.5
$B_{e, CIE}$	30.5	1.4	-46.4	46.4

Data for maximum colour (M_a):

$LabCh^*_{e, Ma}: 53 -19 -41 45 244$

$HIC^*_{e, Ma}: G75B_{100_{100}_e}$

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

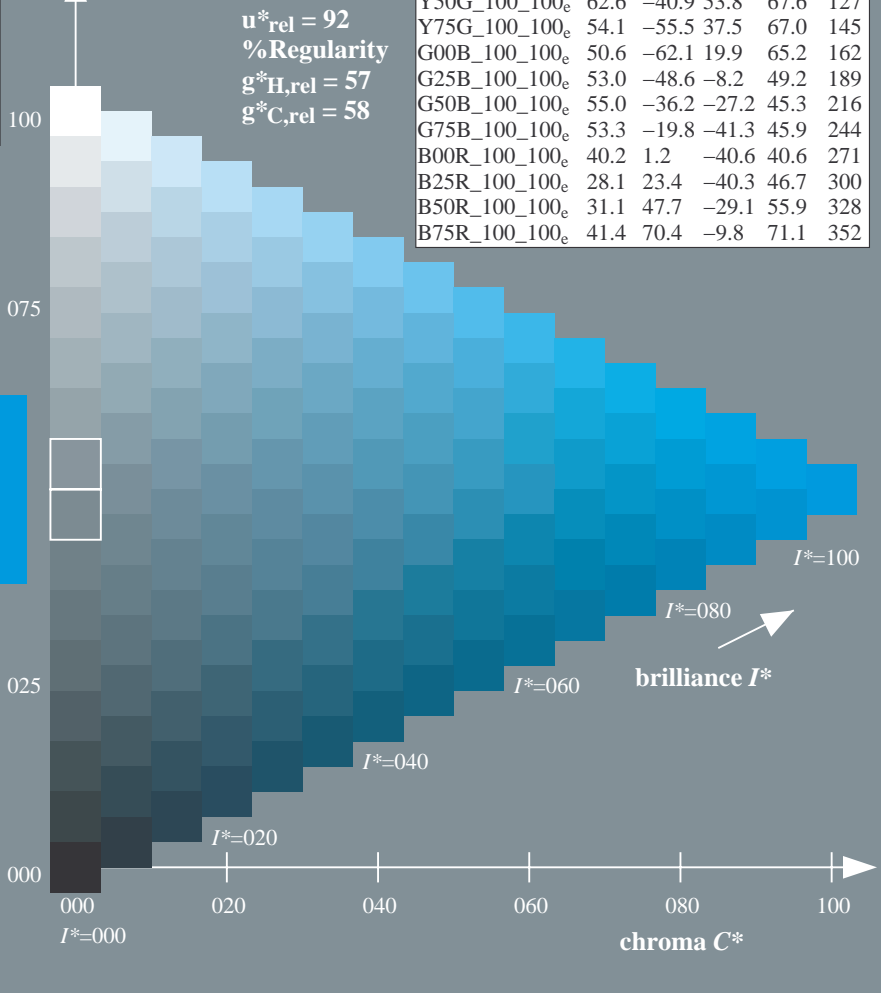
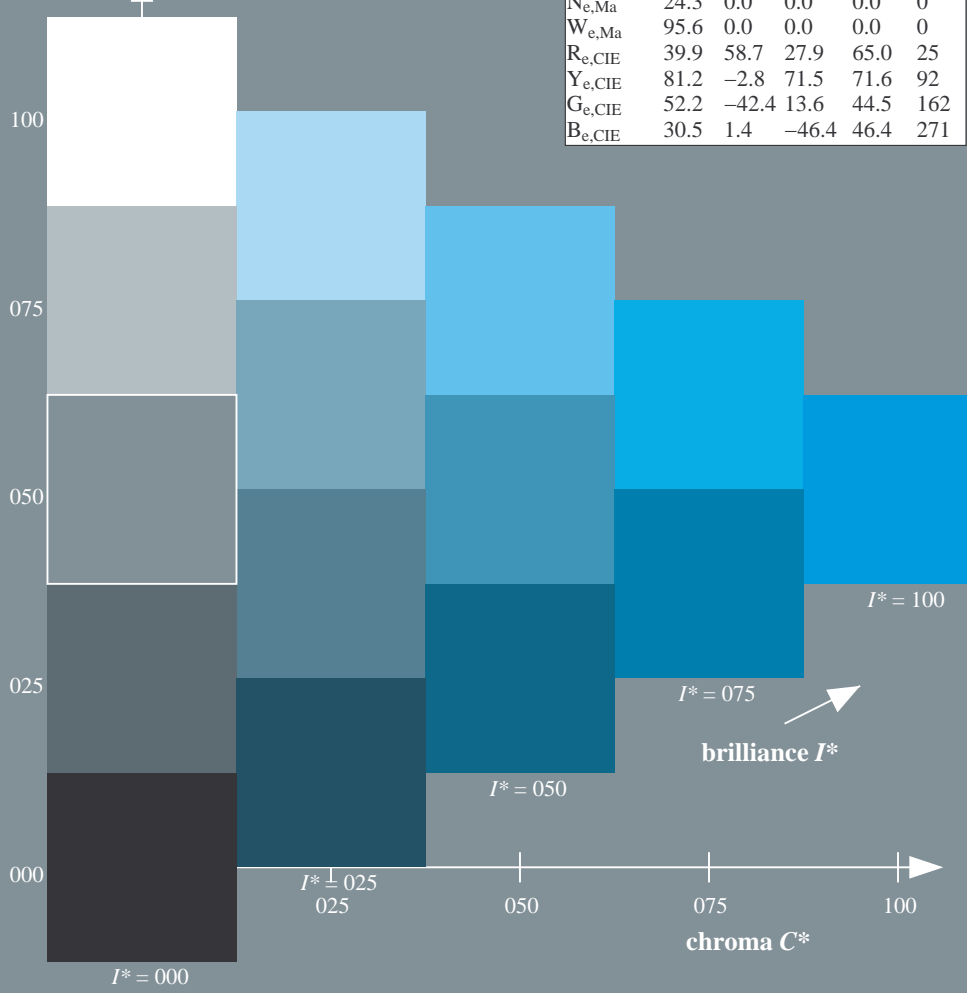
0.0 0.84 1.0 1.0 1.0

triangle lightness T^*

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

ORS20a; adapted (a) CIELAB data

H^*_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
$R25Y_{100_{100}_e}$	50.5	59.2	51.6	78.6
$R50Y_{100_{100}_e}$	60.2	38.2	63.4	74.1
$R75Y_{100_{100}_e}$	70.9	17.9	75.9	77.9
$Y00G_{100_{100}_e}$	83.6	-3.6	90.4	90.4
$Y25G_{100_{100}_e}$	74.5	-25.0	74.3	78.4
$Y50G_{100_{100}_e}$	62.6	-40.9	53.8	67.6
$Y75G_{100_{100}_e}$	54.1	-55.5	37.5	67.0
$G00B_{100_{100}_e}$	50.6	-62.1	19.9	65.2
$G25B_{100_{100}_e}$	53.0	-48.6	-8.2	49.2
$G50B_{100_{100}_e}$	55.0	-36.2	-27.2	45.3
$G75B_{100_{100}_e}$	53.3	-19.8	-41.3	45.9
$B00R_{100_{100}_e}$	40.2	1.2	-40.6	40.6
$B25R_{100_{100}_e}$	28.1	23.4	-40.3	46.7
$B50R_{100_{100}_e}$	31.1	47.7	-29.1	55.9
$B75R_{100_{100}_e}$	41.4	70.4	-9.8	71.1



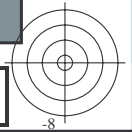
see similar files: <http://130.149.60.45/~farbmetrik/RE08/RE08L0FA.TXT> /.PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE08/RE08L0FA.TXT /.PS
application for measurement of offset print output, separation $cmY0^*$ (CMY0)
TUB material: code=rh4ta

1-113131-L0 RE080-73

TUB-test chart RE08; hue code: $H^*_e = G75B_e$
Test chart according to DIN 33872, 3D=1, $de=1$, $cmY0^*$

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



Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 244/360 = 0.67$

$H^*_e = G75B_e$

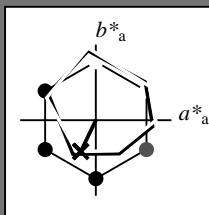
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = G75B_e$

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):

$LabCh^*_{e, Ma}: 53 \ -19 \ -41 \ 45 \ 244$

$HIC^*_{e, Ma}: G75B_100_100_e$

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

0.0 0.84 1.0 1.0 1.0

triangle lightness T^*

%Gamut

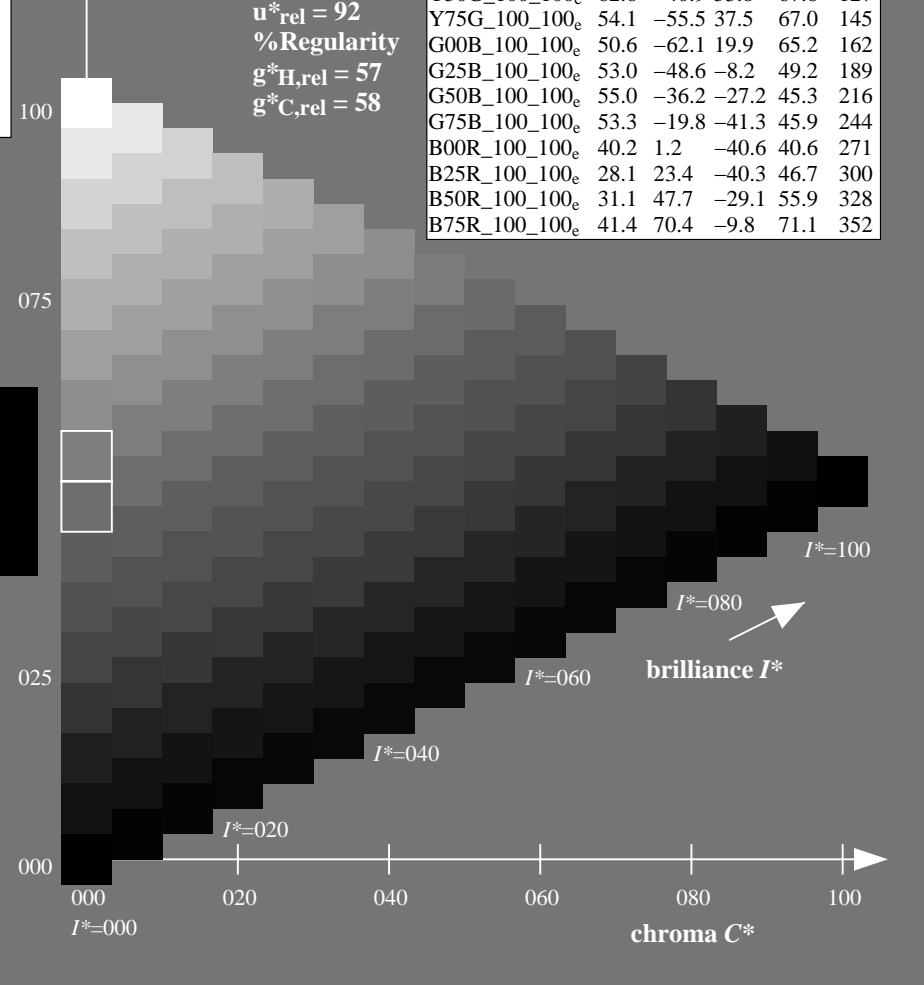
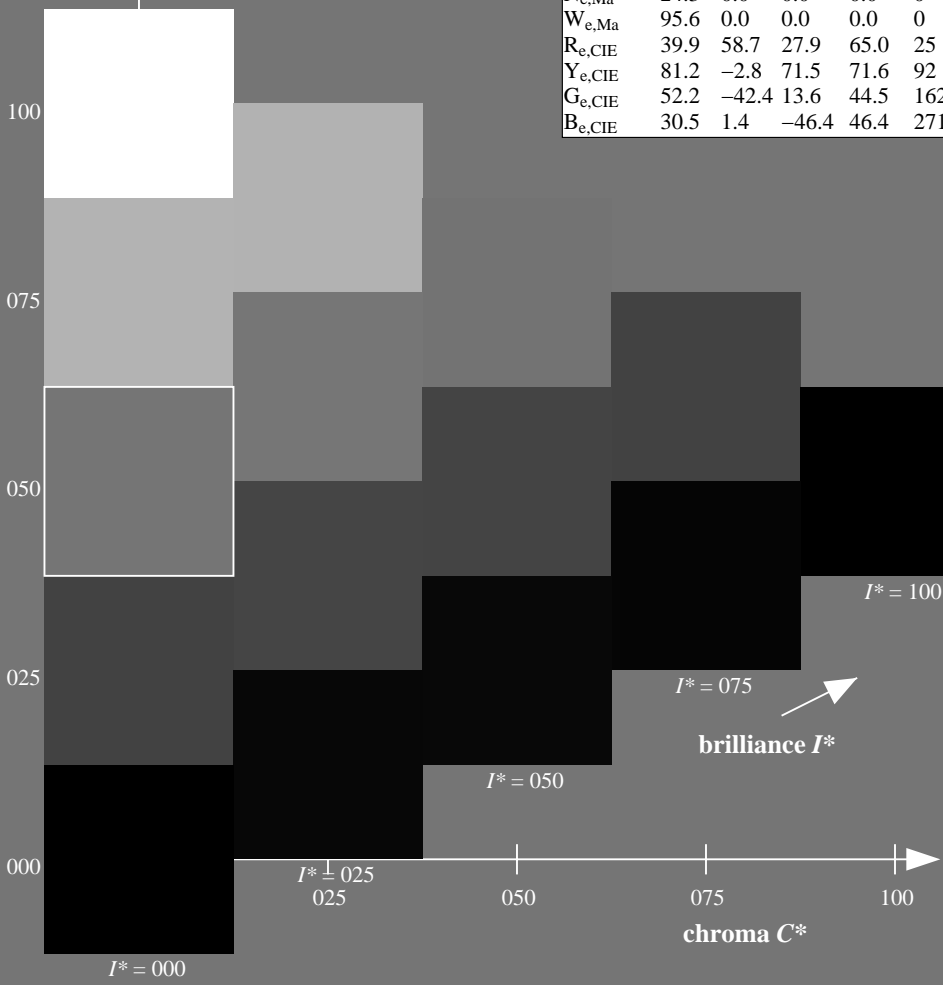
$u^*_{rel} = 92$

%Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_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



see similar files: <http://130.149.60.45/~farbmetrik/RE08/RE08L0FA.TXT> /PS;
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE08/RE08L0FA.TXT /PS
 application for measurement of offset print output, separation $cmY0^*$ (CMY0)
 TUB material: code=rh4ta

1-113231-L0 RE080-73

TUB-test chart RE08; hue code: $H^*_e=G75B_e$
 Test chart according to DIN 33872, 3D=1, de=1, $cmY0^*$

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

1-113231-F0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 244/360 = 0.67$

$H^*_e = G75B_e$

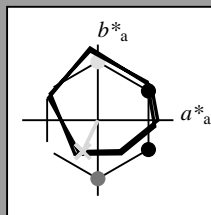
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = G75B_e$

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
Ye,Ma	83.6	-3.6	90.4	92
Ge,Ma	50.6	-62.1	19.9	65.2
Ce,Ma	55.0	-36.2	-27.2	45.3
Be,Ma	40.2	1.2	-40.6	40.6
Me,Ma	31.1	47.7	-29.1	55.9
Ne,Ma	24.3	0.0	0.0	0
We,Ma	95.6	0.0	0.0	0
Re,CIE	39.9	58.7	27.9	65.0
Ye,CIE	81.2	-2.8	71.5	71.6
Ge,CIE	52.2	-42.4	13.6	44.5
Be,CIE	30.5	1.4	-46.4	46.4

Data for maximum colour (Ma):

$LabCh^*_{e, Ma}: 53 \ -19 \ -41 \ 45 \ 244$

$HIC^*_{e, Ma}: G75B_100_100_e$

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

0.0 0.84 1.0 1.0 1.0

triangle lightness T^*

%Gamut

$u^*_{rel} = 92$

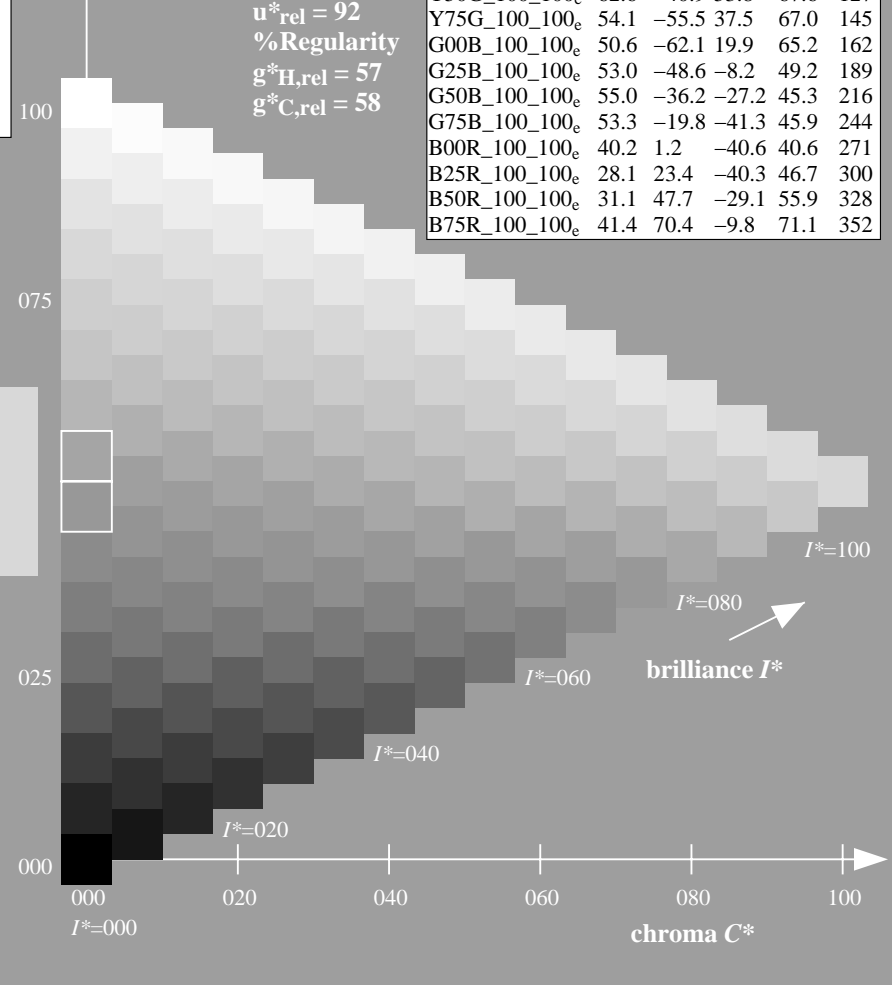
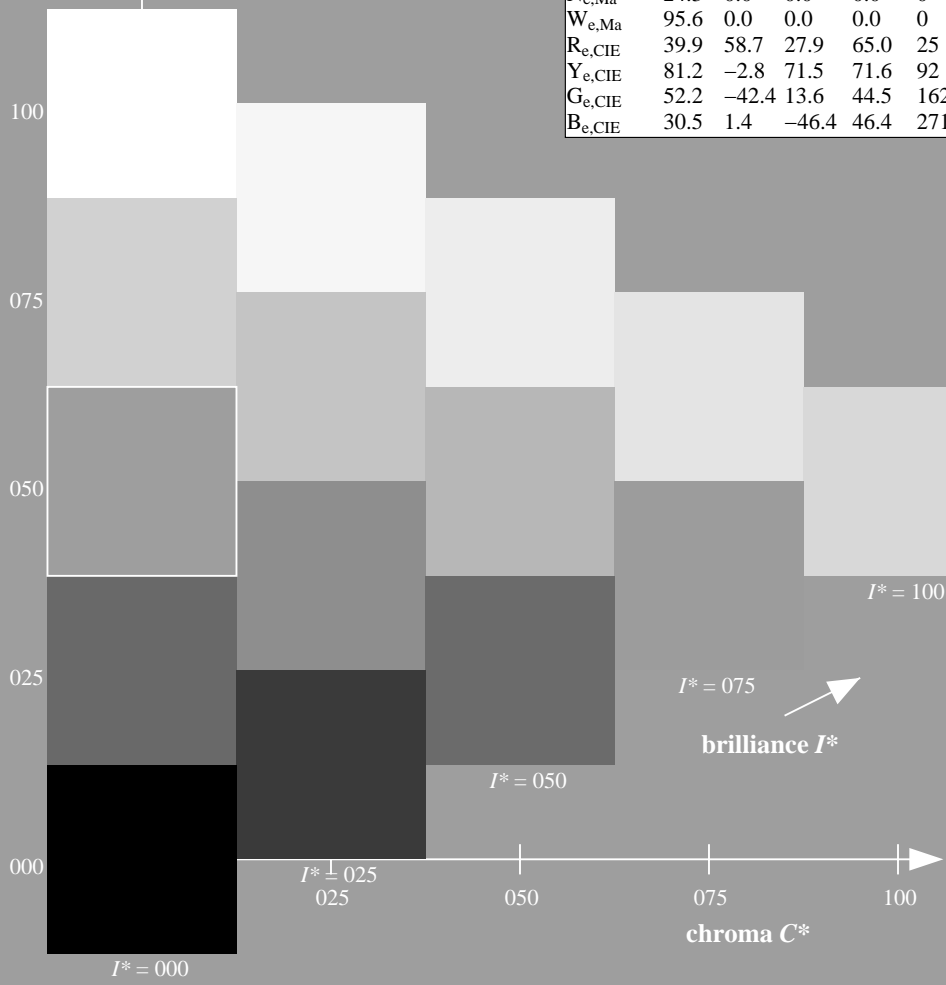
%Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_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
R25Y_100_100_e	50.5	59.2	51.6	78.6
R50Y_100_100_e	60.2	38.2	63.4	74.1
R75Y_100_100_e	70.9	17.9	75.9	77.9
Y00G_100_100_e	83.6	-3.6	90.4	92
Y25G_100_100_e	74.5	-25.0	74.3	78.4
Y50G_100_100_e	62.6	-40.9	53.8	67.6
Y75G_100_100_e	54.1	-55.5	37.5	67.0
G00B_100_100_e	50.6	-62.1	19.9	65.2
G25B_100_100_e	53.0	-48.6	-8.2	49.2
G50B_100_100_e	55.0	-36.2	-27.2	45.3
G75B_100_100_e	53.3	-19.8	-41.3	45.9
B00R_100_100_e	40.2	1.2	-40.6	40.6
B25R_100_100_e	28.1	23.4	-40.3	46.7
B50R_100_100_e	31.1	47.7	-29.1	55.9
B75R_100_100_e	41.4	70.4	-9.8	71.1



see similar files: <http://130.149.60.45/~farbmetrik/RE08/RE08L0FA.TXT> /PS
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE08/RE08L0FA.TXT /PS
 application for measurement of offset print output, separation $cmY0^*$ (CMY0)

TUB material: code=rh4ta

1-113331-L0 RE080-73

TUB-test chart RE08; hue code: $H^*_e = G75B_e$
 Test chart according to DIN 33872, 3D=1, de=1, $cmY0^*$

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

1-113331-F0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 244/360 = 0.67$

$H^*_e = G75B_e$

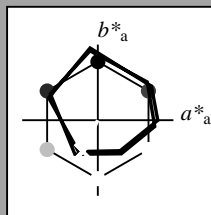
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = G75B_e$

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):

$LabCh^*_{e, Ma}: 53 \ -19 \ -41 \ 45 \ 244$

$HIC^*_{e, Ma}: G75B_100_100_e$

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

0.0 0.84 1.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

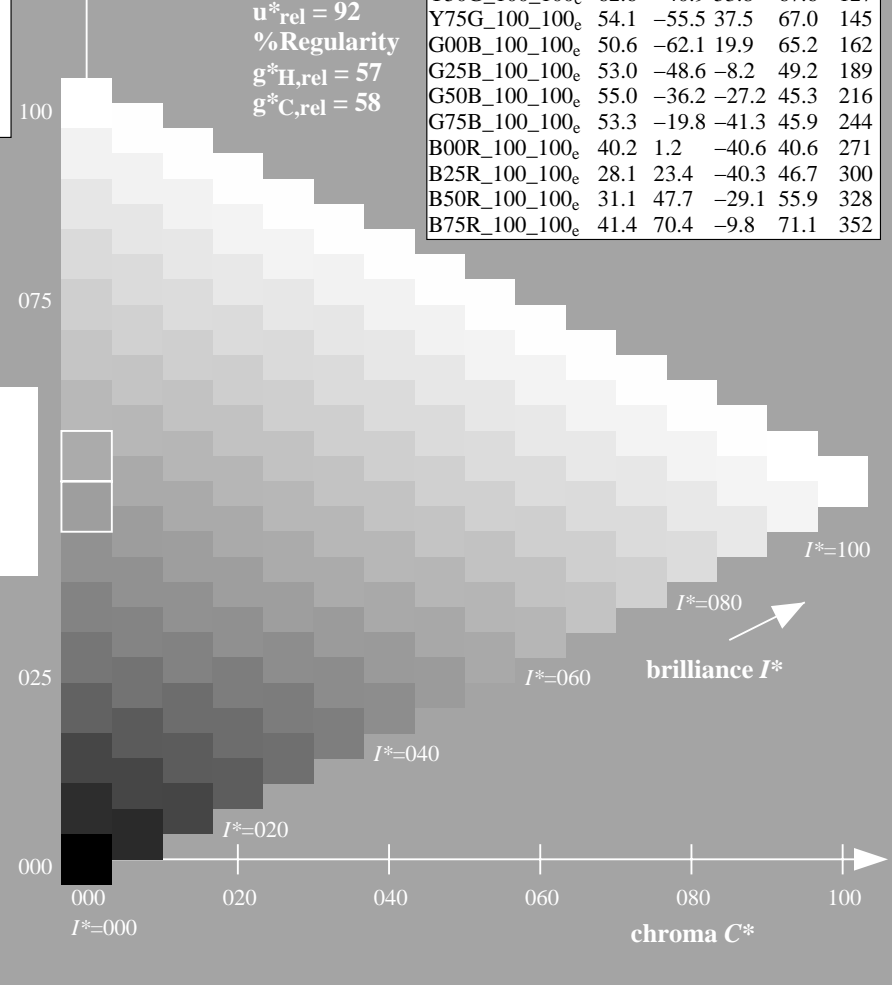
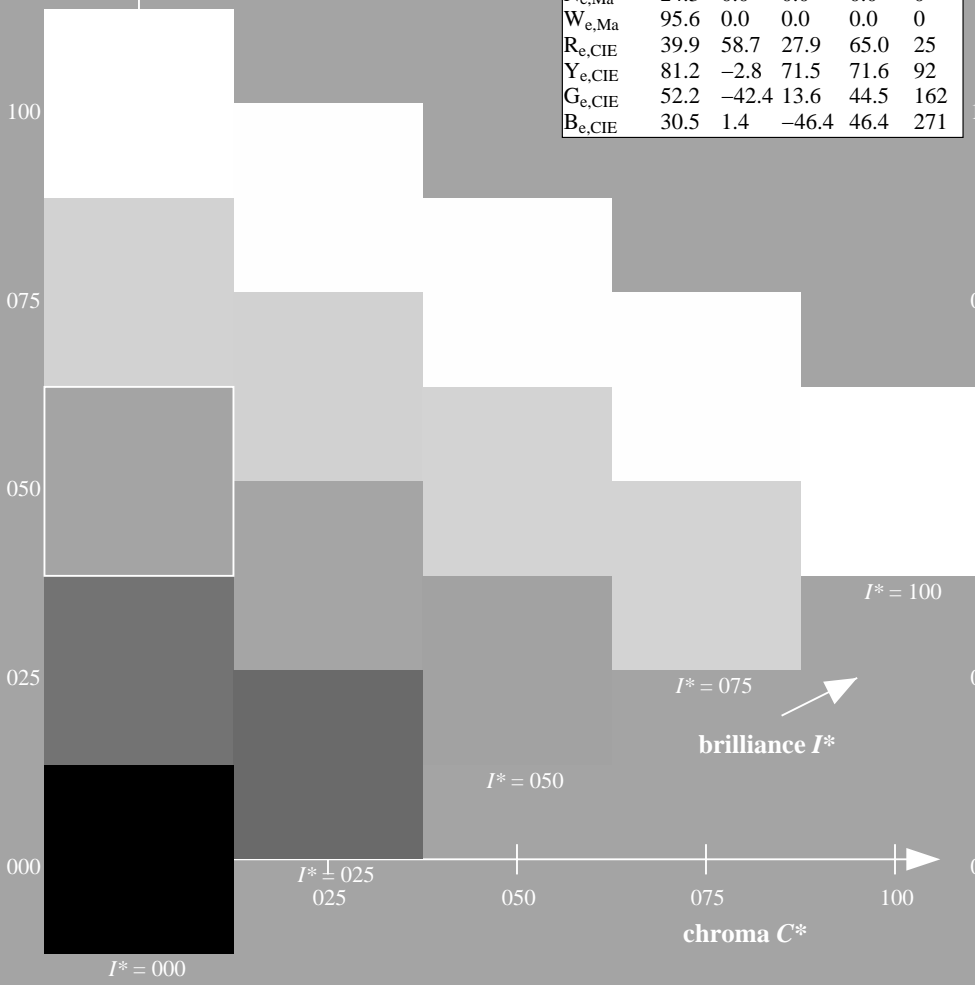
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_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



see similar files: <http://130.149.60.45/~farbmetrik/RE08/RE08L0FA.TXT> /PS
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE08/RE08L0FA.TXT /PS
 application for measurement of offset print output, separation $cmY0^*$ (CMY0)
 TUB material: code=rh4ta

1-113431-L0 RE080-73

TUB-test chart RE08; hue code: $H^*_e = G75B_e$
 Test chart according to DIN 33872, 3D=1, $de=1$, $cmY0^*$

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

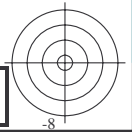
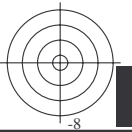
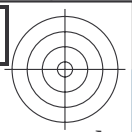
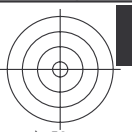
1-113431-F0

TUB registration: 20150701-RE08/RE08L0FA.TXT /.PS TUB material: code=rh4ta
application for measurement of offset print output, separation $cmY0^*$ (CMY0)

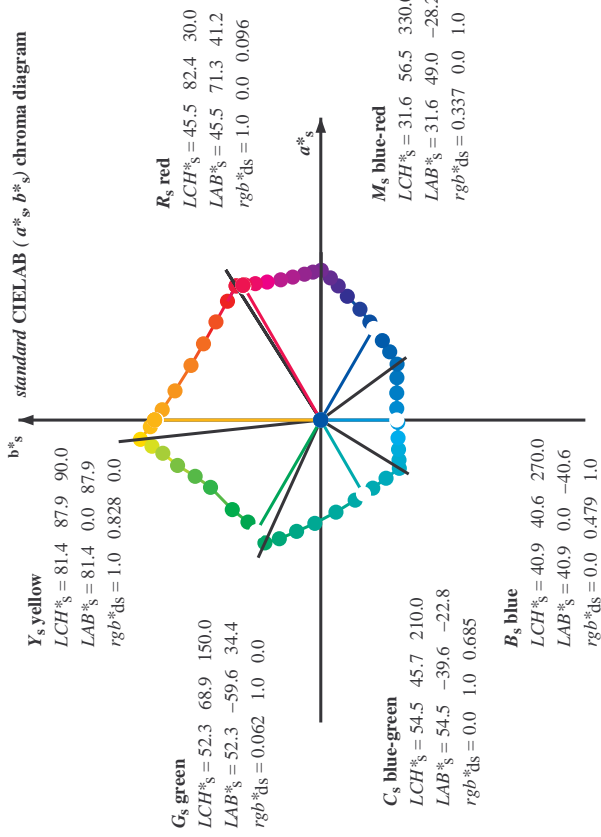
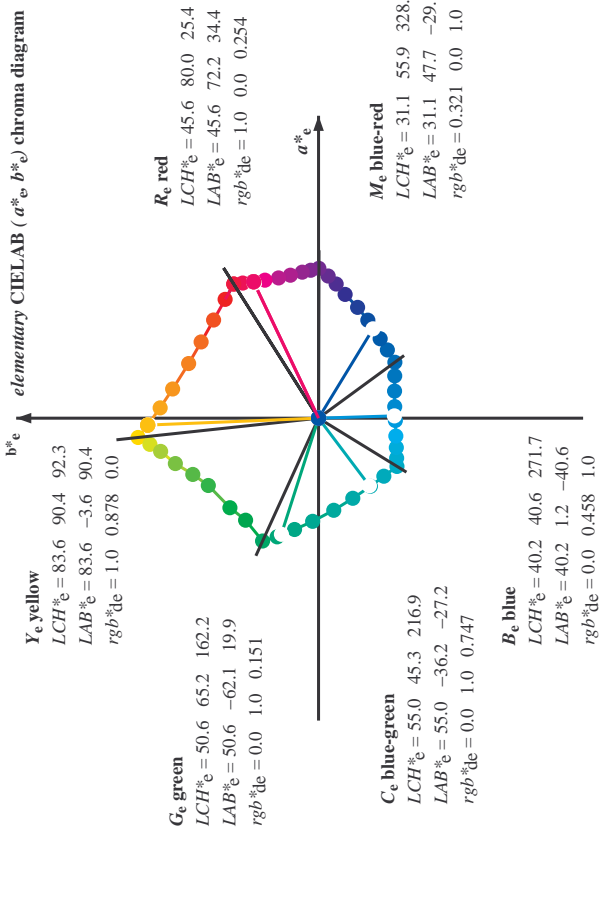
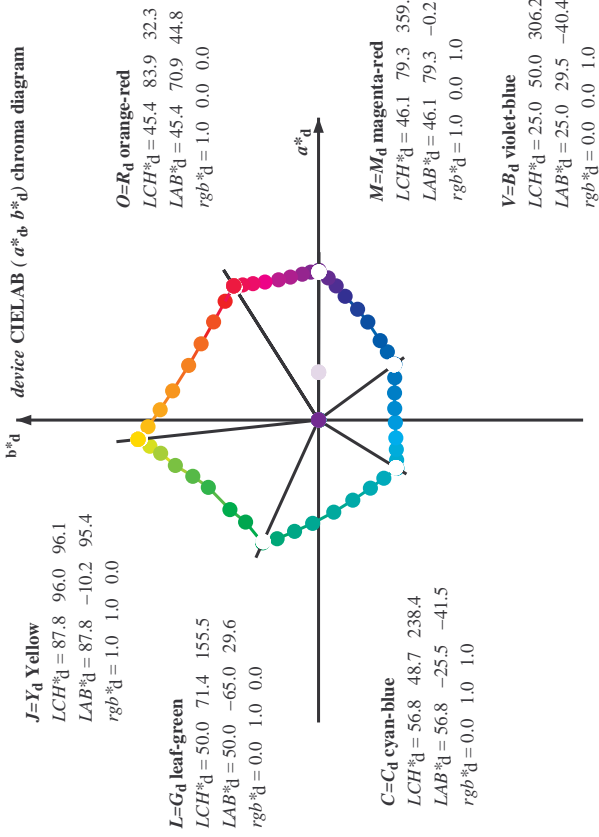
see similar files: <http://130.149.60.45/~farbmetrik/RE08/RE08L0FA.TXT>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

1-113531-L0 RE080-73
TUB-test chart RE08; hue code: $H_e^* = G75B_e$
Test chart according to DIN 33872, 3D=1, $de=1$, $cmY0^*$

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



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



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 $h_{ab,s}$ use for any device values rgb^*_s the equation:

$$h_{ab,s} = \arctan \left[\frac{r^*_s \cos(30) + g^*_s \sin(150)}{r^*_s \sin(30) + g^*_s \sin(150)} \right] + b^*_s \sin(270) \quad (1)$$
- For the 48 or 360 equally spaced standard hue angles $h_{ab,s}$ of the colours of maximum chroma use the seven hue angles of the 60 degree colours s : $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:

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

$$h_{360ab,si} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- For the 48 or 360 elementary hue angles $h_{ab,e}$ of the colours of maximum chroma use the seven hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:

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

$$h_{360ab,ej} = h_{ab,ej} + j [h_{ab,ej+1} - h_{ab,ej}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- 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.
- 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 cmy0*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; h_ab,d_s = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with columns for colorimetric data (h_ab,d, h_ab,e, h_ab,d_s, h_ab,e_s) and device colours (RYGBM). Rows include LAB* ddx361M, LAB* ddx48M, LAB* ddx64M, RGB* dds361M, LAB* dds361M (x=LabCh), LAB* dds361M (x=LabCh), and LAB* dds361M (x=LabCh).

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

Input: rgb/cmyk -> rgbde
Output: Offset standard print; separation cmy0*, D65, page 8/33

RE080-73 LAB*lab0, YN=0%, XY,Znw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*rw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

TUB-test chart RE08; hue code: H*_e=G75B_e
48 step hue circles; rgb-LabCh*tables

Data of Maximum color, M in colorimetric system Offset standard print; separation cmy0*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
 Six hue angles of the device colours RYGBM; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; 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}	$rgb^{*}_{ds361MI}$	$LAB^{*}_{dsx361MI}(x=LabCh)$	$rgb^{*}_{ds361MI}$	$LAB^{*}_{dsx361MI}(x=LabCh)$	$rgb^{*}_{ds361MI}$	$LAB^{*}_{dex361MI}(x=LabCh)$	$rgb^{*}_{dd361MI}$	$LAB^{*}_{dex361MI}(x=LabCh)$	$rgb^{*}_{dd361MI}$	rgb^{*}_{ds}	rgb^{*}_{ds}	rgb^{*}_{ds}																	
289	255	258	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289	0.0	0.25	1.0	0.0	0.613	1.0	46.1	-8.6	-40.8	41.9	258	0.0	0.25	1.0								
290	256	258	0.0	0.233	1.0	32.2	15.3	-40.3	43.1	290	0.0	0.641	1.0	47.0	-10.1	-40.9	42.2	256	0.0	0.233	1.0	0.0	0.603	1.0	45.7	-7.9	-40.9	41.7	258	0.0	0.233	1.0
292	257	259	0.0	0.216	1.0	31.7	16.4	-40.3	43.6	292	0.0	0.624	1.0	46.5	-9.3	-40.8	42.0	257	0.0	0.217	1.0	0.0	0.593	1.0	45.3	-7.2	-40.9	41.6	259	0.0	0.217	1.0
293	258	260	0.0	0.2	1.0	31.1	17.5	-40.4	44.0	293	0.0	0.613	1.0	46.1	-8.6	-40.8	41.9	259	0.0	0.2	1.0	0.0	0.583	1.0	44.9	-6.6	-40.9	41.5	260	0.0	0.2	1.0
294	259	261	0.0	0.183	1.0	30.6	18.5	-40.4	44.5	294	0.0	0.602	1.0	45.7	-7.9	-40.9	41.7	258	0.0	0.183	1.0	0.0	0.573	1.0	44.5	-5.9	-40.9	41.4	261	0.0	0.183	1.0
295	260	262	0.0	0.166	1.0	30.0	19.6	-40.4	44.9	295	0.0	0.591	1.0	45.3	-7.1	-40.9	41.6	260	0.0	0.166	1.0	0.0	0.562	1.0	44.1	-5.2	-40.9	41.3	262	0.0	0.166	1.0
297	261	263	0.0	0.15	1.0	29.5	20.7	-40.4	45.4	297	0.0	0.58	1.0	44.8	-6.4	-40.9	41.5	261	0.0	0.15	1.0	0.0	0.552	1.0	43.7	-4.5	-40.9	41.2	263	0.0	0.15	1.0
298	262	264	0.0	0.133	1.0	28.9	21.8	-40.3	45.8	298	0.0	0.569	1.0	44.4	-5.7	-40.9	41.4	262	0.0	0.133	1.0	0.0	0.542	1.0	43.4	-3.9	-40.8	41.1	264	0.0	0.133	1.0
299	263	265	0.0	0.116	1.0	28.4	22.8	-40.3	46.3	299	0.0	0.558	1.0	44.0	-4.9	-40.9	41.3	263	0.0	0.116	1.0	0.0	0.532	1.0	43.0	-3.2	-40.8	41.0	265	0.0	0.116	1.0
300	264	266	0.0	0.1	1.0	27.9	23.8	-40.4	46.9	300	0.0	0.547	1.0	43.5	-4.2	-40.8	41.1	264	0.0	0.1	1.0	0.0	0.522	1.0	42.6	-2.6	-40.7	40.9	266	0.0	0.1	1.0
301	265	267	0.0	0.083	1.0	27.4	24.7	-40.4	47.4	301	0.0	0.536	1.0	43.1	-3.5	-40.8	41.1	265	0.0	0.083	1.0	0.0	0.512	1.0	42.2	-1.9	-40.7	40.8	267	0.0	0.083	1.0
302	266	268	0.0	0.066	1.0	26.9	25.7	-40.4	47.9	302	0.0	0.525	1.0	42.7	-2.8	-40.7	40.9	266	0.0	0.066	1.0	0.0	0.502	1.0	41.8	-1.3	-40.6	40.7	268	0.0	0.066	1.0
303	267	269	0.0	0.049	1.0	26.5	26.6	-40.5	48.4	303	0.0	0.514	1.0	42.3	-2.0	-40.7	40.8	267	0.0	0.049	1.0	0.0	0.491	1.0	41.4	-0.6	-40.6	40.7	269	0.0	0.049	1.0
304	268	269	0.0	0.033	1.0	26.0	27.6	-40.4	49.0	304	0.0	0.503	1.0	41.8	-1.3	-40.6	40.7	268	0.0	0.033	1.0	0.0	0.48	1.0	41.0	0.0	-40.6	40.7	269	0.0	0.033	1.0
305	269	270	0.0	0.016	1.0	25.5	28.6	-40.4	49.5	305	0.0	0.491	1.0	41.4	-0.6	-40.6	40.7	269	0.0	0.016	1.0	0.0	0.469	1.0	40.6	0.2	-40.6	40.7	270	0.0	0.016	1.0
306	270	271	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306	0.0	0.479	1.0	41.0	0.0	-40.6	40.7	270	0.0	0.0	1.0	0.0	0.458	1.0	40.3	1.6	-40.6	40.7	271	0.0	0.0	1.0
307	271	272	0.016	0.0	1.0	25.4	30.4	-39.9	50.2	307	0.0	0.467	1.0	40.6	0.7	-40.6	40.7	271	0.017	0.0	1.0	0.0	0.447	1.0	39.9	1.9	-40.5	40.7	272	0.017	0.0	1.0
308	272	273	0.033	0.0	1.0	25.8	31.3	-39.4	50.4	308	0.0	0.455	1.0	40.2	1.4	-40.6	40.7	272	0.033	0.0	1.0	0.0	0.435	1.0	39.5	2.6	-40.5	40.7	273	0.033	0.0	1.0
309	273	274	0.05	0.0	1.0	26.2	32.2	-38.9	50.5	309	0.0	0.443	1.0	39.7	2.1	-40.5	40.7	273	0.05	0.0	1.0	0.0	0.424	1.0	39.1	3.3	-40.5	40.7	274	0.05	0.0	1.0
310	274	275	0.066	0.0	1.0	26.5	33.1	-38.4	50.7	310	0.0	0.431	1.0	39.3	2.8	-40.5	40.7	274	0.066	0.0	1.0	0.0	0.413	1.0	38.7	3.9	-40.4	40.7	275	0.066	0.0	1.0
311	275	276	0.083	0.0	1.0	26.9	33.9	-37.8	50.8	311	0.0	0.419	1.0	38.9	3.5	-40.4	40.7	275	0.083	0.0	1.0	0.0	0.401	1.0	38.3	4.6	-40.3	40.7	276	0.083	0.0	1.0
313	276	277	0.1	0.0	1.0	27.3	34.8	-37.3	51.0	313	0.0	0.407	1.0	38.5	4.3	-40.4	40.7	276	0.1	0.0	1.0	0.0	0.39	1.0	37.9	5.3	-40.3	40.7	277	0.1	0.0	1.0
314	277	278	0.116	0.0	1.0	27.7	35.6	-36.7	51.1	314	0.0	0.395	1.0	38.1	5.0	-40.3	40.7	277	0.116	0.0	1.0	0.0	0.378	1.0	37.5	5.9	-40.2	40.7	278	0.116	0.0	1.0
315	278	279	0.133	0.0	1.0	27.9	36.4	-36.2	51.3	315	0.0	0.383	1.0	37.6	5.7	-40.2	40.7	278	0.133	0.0	1.0	0.0	0.367	1.0	37.1	6.6	-40.2	40.8	279	0.133	0.0	1.0
316	279	280	0.15	0.0	1.0	28.1	37.2	-35.7	51.6	316	0.0	0.371	1.0	37.2	6.4	-40.2	40.8	279	0.15	0.0	1.0	0.0	0.357	1.0	36.7	7.3	-40.2	41.0	280	0.15	0.0	1.0
317	280	281	0.166	0.0	1.0	28.2	38.0	-35.2	51.9	317	0.0	0.36	1.0	36.8	7.1	-40.2	41.0	280	0.166	0.0	1.0	0.0	0.346	1.0	36.3	8.0	-40.3	41.2	281	0.166	0.0	1.0
318	281	282	0.183	0.0	1.0	28.3	38.8	-34.7	52.1	318	0.0	0.348	1.0	36.4	7.8	-40.3	41.1	281	0.183	0.0	1.0	0.0	0.335	1.0	35.9	8.7	-40.3	41.3	282	0.183	0.0	1.0
319	282	283	0.2	0.0	1.0	28.5	39.6	-34.2	52.4	319	0.0	0.337	1.0	36.0	8.6	-40.3	41.3	282	0.2	0.0	1.0	0.0	0.324	1.0	35.5	9.4	-40.3	41.5	283	0.2	0.0	1.0
320	283	284	0.216	0.0	1.0	28.6	40.4	-33.7	52.6	320	0.0	0.326	1.0	35.6	9.3	-40.3	41.5	283	0.216	0.0	1.0	0.0	0.313	1.0	35.1	10.1	-40.3	41.7	284	0.216	0.0	1.0
321	284	285	0.233	0.0	1.0	28.7	41.2	-33.1	52.9	321	0.0	0.314	1.0	35.2	10.1	-40.3	41.7	284	0.233	0.0	1.0	0.0	0.303	1.0	34.8	10.8	-40.3	41.9	285	0.233	0.0	1.0
322	285	285	0.25	0.0	1.0	28.8	41.9	-32.5	53.1	322	0.0	0.303	1.0	34.8	10.8	-40.3	41.9	285	0.25	0.0	1.0	0.0	0.292	1.0	34.4	11.6	-40.3	42.0	285	0.25	0.0	1.0
323	286	286	0.266	0.0	1.0	29.4	43.3	-31.8	53.8	323	0.0	0.291	1.0	34.3	11.6	-40.3	42.0	286	0.266	0.0	1.0	0.0	0.281	1.0	34.0	12.3	-40.3	42.2	286	0.266	0.0	1.0
325	287	287	0.283	0.0	1.0	29.9	44.7	-31.1	54.4	325	0.0	0.28	1.0	33.9	12.3	-40.3	42.2	287	0.283	0.0	1.0	0.0	0.27	1.0	33.6	13.0	-40.2	42.4	287	0.283	0.0	1.0
326	288	288	0.3	0.0	1.0	30.4	46.0	-30.3	55.1	326	0.0	0.269	1.0	33.5	13.1	-40.2	42.4	288	0.3	0.0	1.0	0.0	0.26	1.0	33.2	13.7	-40.2	42.5	288	0.3	0.0	1.0
328	289	289	0.316	0.0	1.0	30.9	47.3	-29.4	55.7	328	0.0	0.257	1.0	33.1	13.9	-40.2	42.6	289	0.316	0.0	1.0	0.0	0.249	1.0	32.8	14.4	-40.1	42.7	289	0.316	0.0	1.0
329	290	290	0.333	0.0	1.0	31.4	48.6	-28.8	56.4	329	0.0	0.245	1.0	32.7	14.6	-40.1	42.8	290	0.333	0.0	1.0	0.0	0.236	1.0	32.4	15.2	-40.2	43.1	290	0.333	0.0	1.0
331	291	291	0.35	0.0	1.0	32.0	49.9	-27.5	57.0	331	0.0	0.232	1.0	32.2	15.5	-40.2	43.2	291	0.35	0.0	1.0	0.0	0.223	1.0	32.0	16.0	-40.3	43.4	291	0.35	0.0	1.0
332	292	292	0.366	0.0	1.0	32.5	51.2	-26.5	57.7	332	0.0	0.219	1.0	31.8	16.3	-40.2	43.6	292	0.366	0.0	1.0	0.0	0.211	1.0	31.5	16.8	-40.3	43.8	292	0.366	0.0	1.0
333	293	293	0.383	0.0	1.0	32.9	52.3	-25.7	58.3	333	0.0	0.205	1.0	31.4	17.2	-40.3	43.9	293	0.383	0.0	1.0	0.0	0.198	1.0	31.1	17.6	-40.3	44.1	293	0.383	0.0	1.0
334	294	294	0.4	0.0	1.0	33.3	53.2	-25.0	58.8	334	0.0	0.192	1.0	30.9	18.0	-40.3	44.3	294	0.4	0.0	1.0	0.0	0.186	1.0	30.7	18.4	-40.4	44.5	294	0.4	0.0	1.0
335	295	295	0.416	0.0	1.0	33.7	54.1	-24.4	59.4	335	0.0	0.179	1.0	30.5	18.9	-40.4	44.6	295	0.416	0.0	1.0	0.0										

Table with columns: nuf, HHC*F0e, R00Y_100_1000e, R25Y_100_1000e, R50Y_100_1000e, R75Y_100_1000e, Y00C_100_1000e, Y25C_100_1000e, Y50C_100_1000e, Y75C_100_1000e, G00B_100_1000e, G25B_100_1000e, G50B_100_1000e, G75B_100_1000e, B00M_100_1000e, B25R_100_1000e, B50R_100_1000e, B75R_100_1000e, R00Y_100_0500e, R25Y_100_0500e, R50Y_100_0500e, R75Y_100_0500e, Y00C_100_0500e, Y25C_100_0500e, Y50C_100_0500e, Y75C_100_0500e, G00B_100_0500e, G25B_100_0500e, G50B_100_0500e, G75B_100_0500e, B00M_100_0500e, B25R_100_0500e, B50R_100_0500e, B75R_100_0500e, NW_0000e, NW_0150e, NW_0250e, NW_0350e, NW_0450e, NW_0550e, NW_0650e, NW_0750e, NW_0850e, NW_1000e. Rows contain numerical data for each color and registration mark.

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

Mean color difference of this page: delta

TUB-test chart RE08; hue code: H*_e=G75Be colors and differences, ΔE*_*

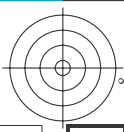
http://130.149.60.45/~farbmetrik/RE08/RE08L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization RE08/RE08L0FA.DAT in file (F), page 20/33

Table with 15 columns: #, H#C*File, rgb*File, LabC*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File. Rows 1-80.

Mean color difference of this page: delta

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

TUB-test chart RE08; hue code: H*_e=G75B_e
colors and differences, ΔE*_a*

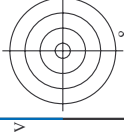


http://130.149.60.45/~farbmetrik/RE08/RE08LOFA.TXT /.PS; 3D-linearization F: 3D-linearization RE08/RE08LE30FA.DAT in file (F), page 21/33

Table with 16 columns: n, HHC*File, rgb*File, iet*File, ihs*File, iab*File, iab*File, iab*File, iab*File, iab*File, iab*File, iab*File, iab*File, iab*File, iab*File, iab*File. Rows 81-161.

Mean color difference of this page: delta

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



http://130.149.60.45/~farbmetrik/RE08/RE08LOFA.TXT /.PS; 3D-linearization F: 3D-linearization RE08/RE08LE30FA.DAT in file (F), page 22/33

Table with 24 columns: n, HHC*File, rgb*File, iet*File, Hsa*File, rgb*File, LabCIE*File, LabCIE*File, cmy0*sep*File, Hsa*File, Hsa*File, LabCIE*File, rgb*File, delta. Rows 162-242.

input: rgb/cmyk -> rgbdelta output: 3D-linearization to cmy0*delta

Table with 32 columns: n, HHC*File, rgb*File, icr*File, hsa*File, rgb*File, LabC0*File, LabC1*File, cmy0*sep, cmy0*File, LabC0*File, hsa*File, rgb*File, LabC0*File, LabC1*File, delta. Rows 243-323.

RE080-TN, Page 23/33-F Input: rgb/cmyk -> rgbde Output: 3D-linearization to cmy0*de Mean color difference of this page: delta

http://130.149.60.45/~farbmetrik/RE08/RE08L0FA.TXT /.PS; 3D-linearization F: 3D-linearization RE08/RE08L30FA.DAT in file (F), page 24/33

Table with 15 columns: n, HHC*File, rgb*File, iet*File, Hsa*File, rgb*File, LabC*File, cmy0*sep, File, LabC*File, Hsa*File, rgb*File, LabC*File, delta. Rows 324-404.

Mean color difference of this page: delta

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

http://130.149.60.45/~farbmetrik/RE08/RE08L0FA.TXT /.PS; 3D-linearization F: 3D-linearization RE08/RE08L30FA.DAT in file (F), page 25/33

Table with 15 columns: n, HHC*File, rgb*File, iet*File, Hsa*File, rgp*File, LabCM*File, cmy0*sep*File, cmyp*sep*File, LabCM*File, Hsa*File, rgp*File, LabCM*File, delta. Rows 405-485.

Mean color difference of this page: 216.9

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

TUB-test chart RE08; hue code: H*_e=G75Be colors and differences, ΔE*_a*

http://130.149.60.45/~farbmetrik/RE08/RE08L0FA.TXT /.PS; 3D-linearization F: 3D-linearization RE08/RE08L0FA.DAT in file (F), page 26/33

Table with 20 columns: n, HHC*File, rgb*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File, LabCH*File. Rows include color codes like R00Y, R35Y, R50Y, etc.

Mean color difference of this page: delta

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

TUB-test chart RE08; hue code: H*e=G75Be colors and differences, ΔE*

Table with columns: n, HHC*File, rgb_Role, icr_File, Hsa_Fate, rgpb*File, LabCM*File, cmy0*_sep,File, LabCM*File, Hsa_Fate, rgpb*File, LabCM*File, LabCM*File, delta. The table contains 647 rows of data representing color calibration points.

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

TUB-test chart RE08; hue code: H*_e=G75Be
colors and differences, ΔE*
RE080-TN, Page 27/33-F

http://130.149.60.45/~farbmetrik/RE08/RE08L0FA.TXT /.PS; 3D-linearization F: 3D-linearization RE08/RE08L30FA.DAT in file (F), page 29/33

Table with 15 columns: n, H#C*File, rpb*File, icr*File, hsa*File, rpb*File, LabC0*File, cmy0*sep,File, cmyp*sep,File, LabC0*File, hsa*File, rpb*File, LabC0*File, delta. Rows include color names like NV_1000c, G50B_100.025a, etc.

Mean color difference of this page:

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

RE080-TN, Page 29/33-F

TUB-test chart RE08; hue code: H*_e=G75Be colors and differences, ΔE*_a

http://130.149.60.45/~farbmetrik/RE08/RE08L0FA.TXT /.PS; 3D-linearization F: 3D-linearization RE08/RE08L30FA.DAT in file (F), page 30/33

Table with 15 columns: n, HHC*File, rpb*File, icr*File, hsa*File, rpb*File, LabC0*File, cmy0*sep*File, hsa*File, rpb*File, LabC0*File, LabC0*File, LabC0*File, LabC0*File, delta. Rows include color names like NV, BOOR, YOCG, etc.

Mean color difference of this page:

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

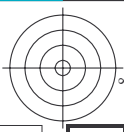
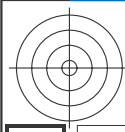
RE080-TN, Page 30/33-F

TUB-test chart RE08; hue code: H*_e=G75Be colors and differences, ΔE*_a*

Table with 15 columns: n, HHC*File, rpb_Rate, icr_File, Hrs_File, rpb*File, LabC*File, cmy0*_sepRate, cmy0*_sepRate, rpb*File, Hrs_File, LabC*File, delta, LabC*File, rpb*File, Hrs_File. Rows include color names like 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971.

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

TUB-test chart RE08; hue code: H*_e=G75Be
colors and differences, ΔE*
Mean color difference of this page: delta



http://130.149.60.45/~farbmetrik/RE08/RE08L0FA.TXT /.PS; 3D-linearization F: 3D-linearization RE08/RE08LE30FA.DAT in file (F), page 32/33

Table with 15 columns: n, HC*File, rgb*File, icr*File, Hsa*File, rgb*File, LabC*File, LabCH*File, cmy0*sep, cmy0*File, Hsa*File, rgb*File, LabCH*File, LabCH*File, delta. Rows 972-1052.

Mean color difference of this page:

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

TUB-test chart RE08; hue code: H*_e=G75B_e colors and differences, ΔE*_*

