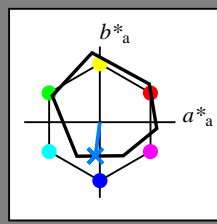


Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 262/360 = 0.72$

$H^*_- = G75B_-$

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	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):

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

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

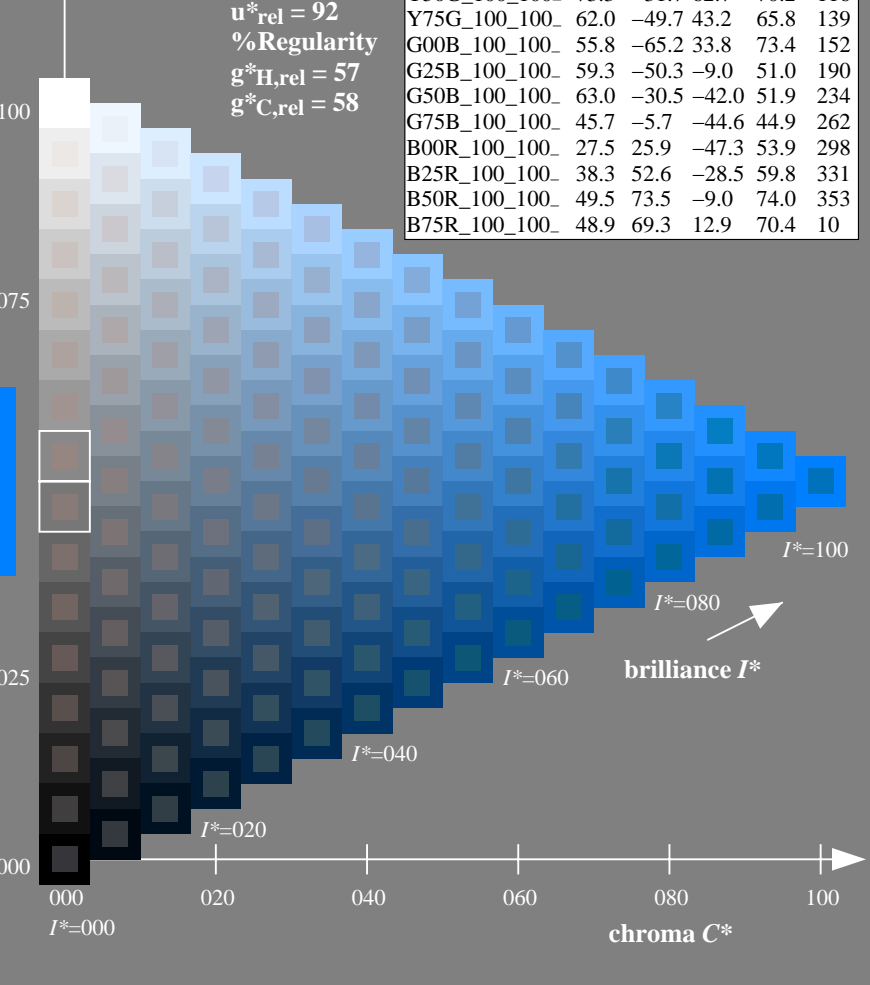
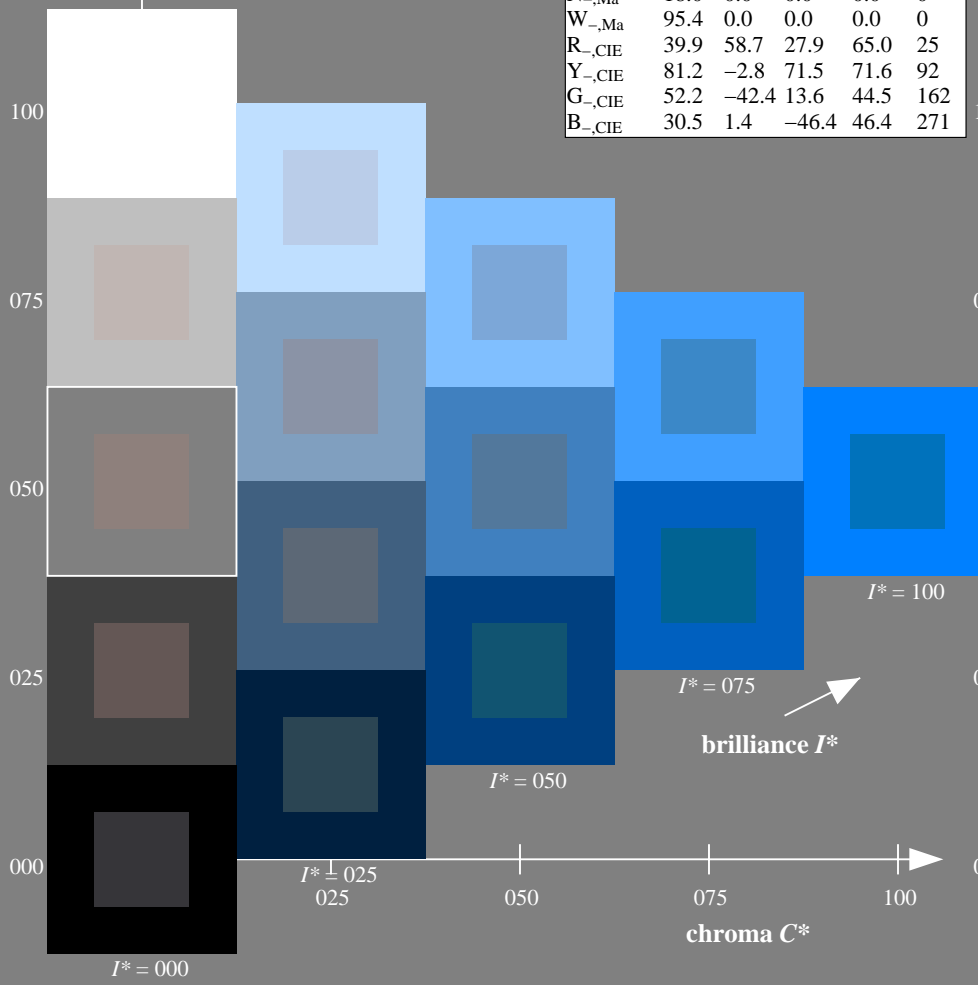
$rgbic^*_{-,Ma}$:

0.0 0.5 1.0 1.0 1.0

triangle lightness T^*
%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



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

TUB registration: 20150701-RE08/RE08LONA.TXT /PS
application for measurement of offset print output

TUB material: code=rh4ta



TUB-test chart RE08; hue code: $H^*_- = G75B_-$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

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



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

$H^*_e = G75B_e$

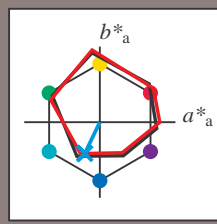
Data for any device (d) or elementary (e) colour:

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	0.0
We,Ma	95.6	0.0	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):

$LabCh^*_e, Ma: 53 -19 -41 45 244$

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

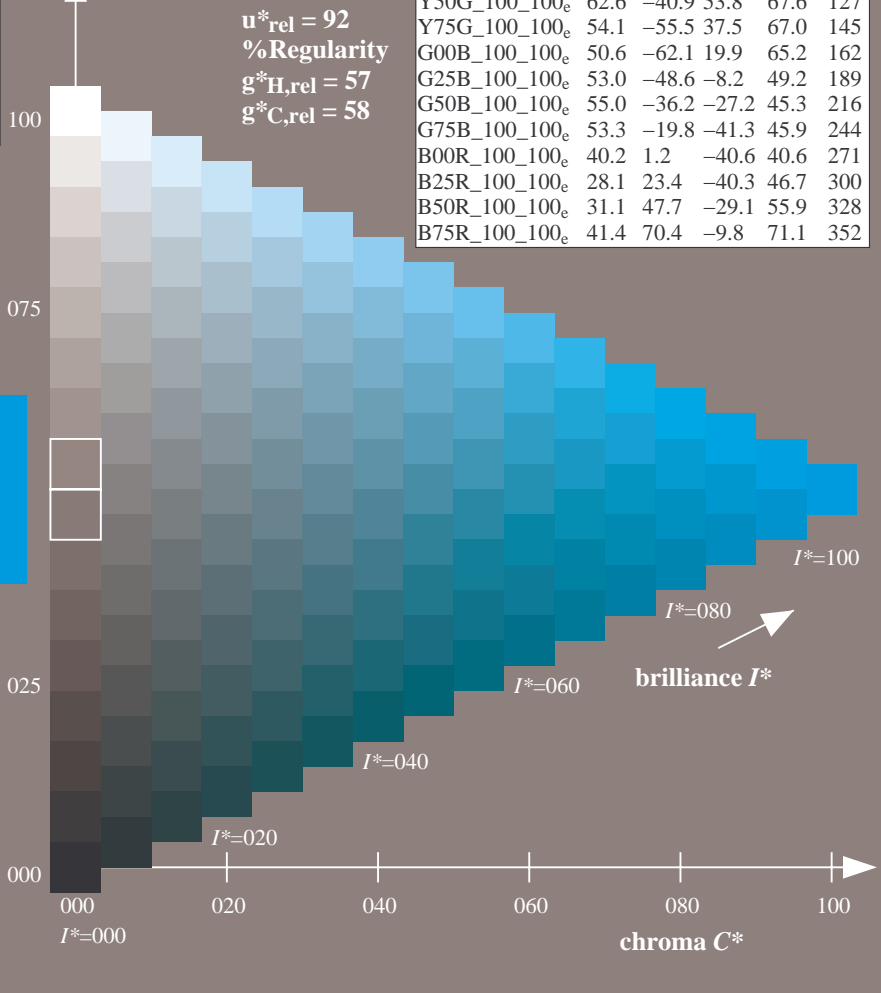
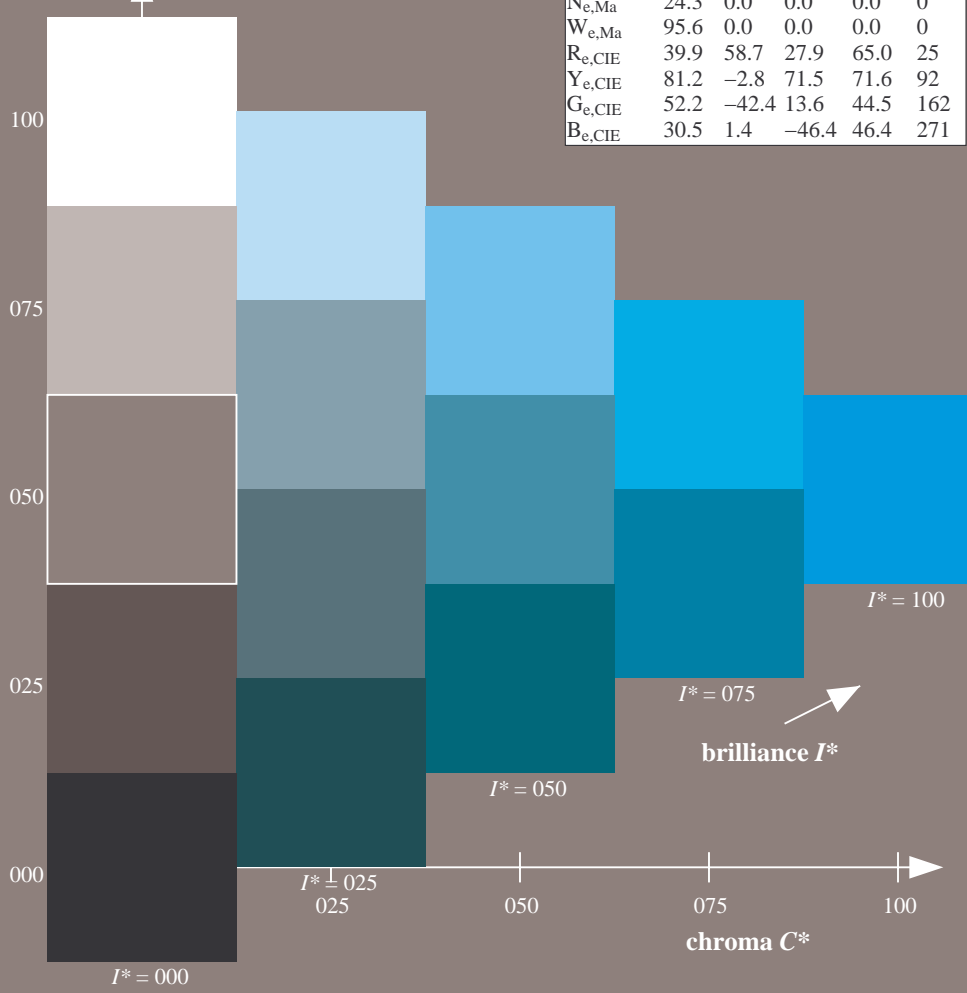
$rgbic^*_e, Ma:$

0.0 0.84 1.0 1.0 1.0

triangle lightness T^*

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/RE08.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE08/RE08LONA.TXT /PS
application for measurement of offset print output, separation cmy0 (CMY0)
TUB material: code=rh4ta

1-013131-L0 RE080-71

TUB-test chart RE08; hue code: $H^*_e = G75B_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

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

1-013131-F0

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

$H^*_e = G75B_e$

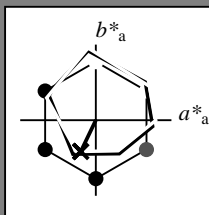
Data for any device (d) or elementary (e) colour:

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):

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

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

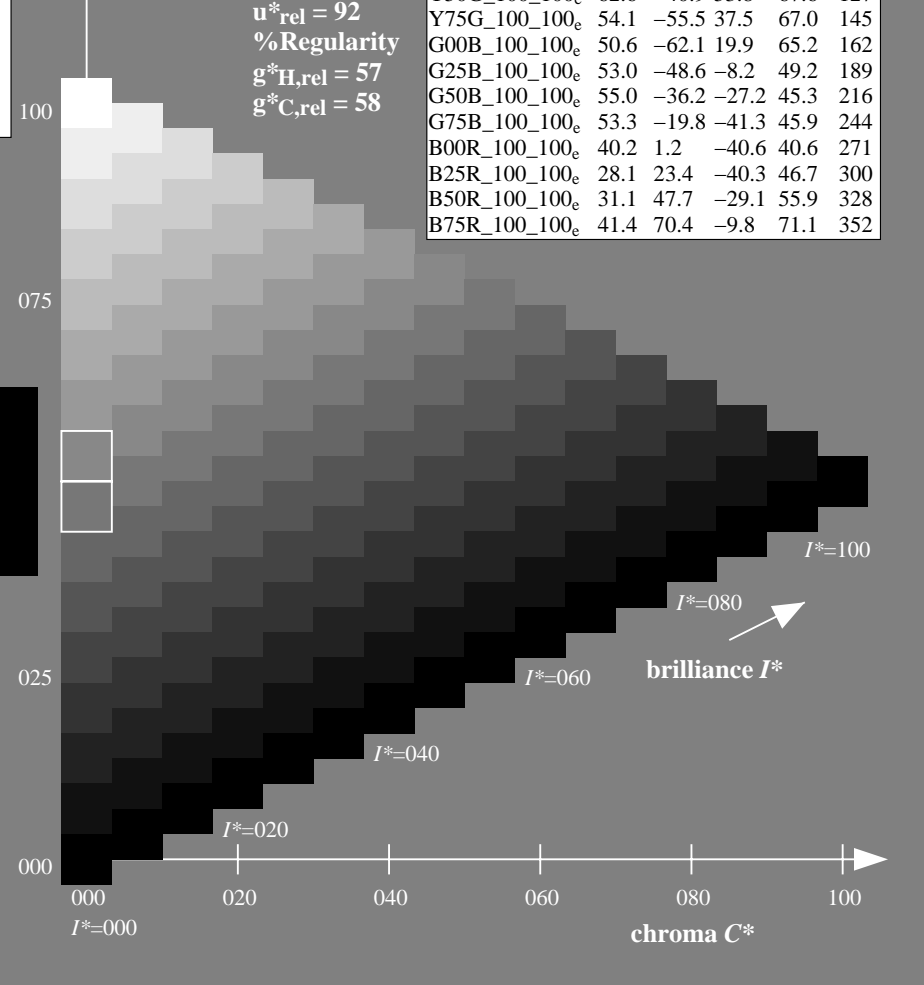
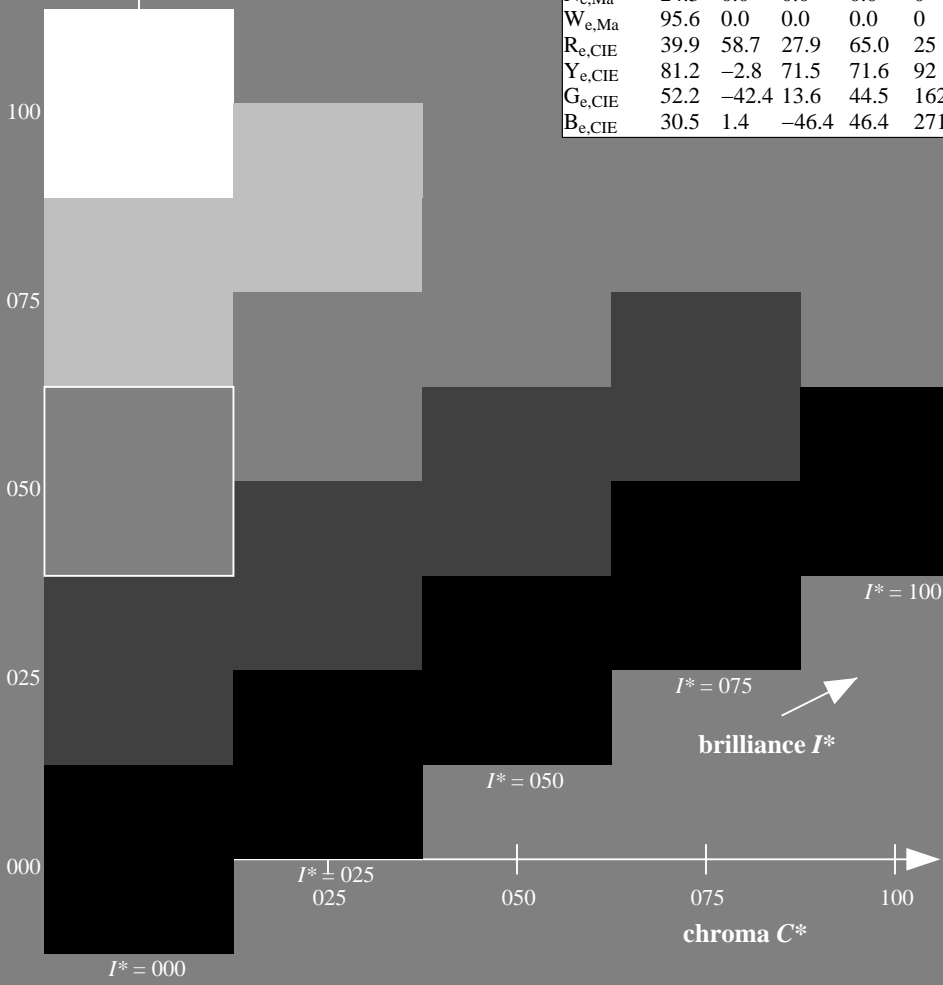
$rgbic^*_{e, Ma}$:

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/RE08LONA.TXT /PS
 technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE08/RE08LONA.TXT /PS
 application for measurement of offset print output, separation cmy0 (CMY0)
 TUB material: code=rh4ta

1-013231-L0 RE080-71

TUB-test chart RE08; hue code: $H^*_e = G75B_e$
 Test chart according to DIN 33872, 3D=0, de=1, cmy0

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

1-013231-F0

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

$H^*_e = G75B_e$

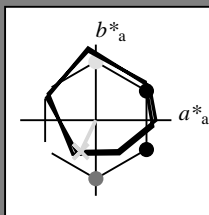
Data for any device (d) or elementary (e) colour:

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

$u^*_{rel} = 92$

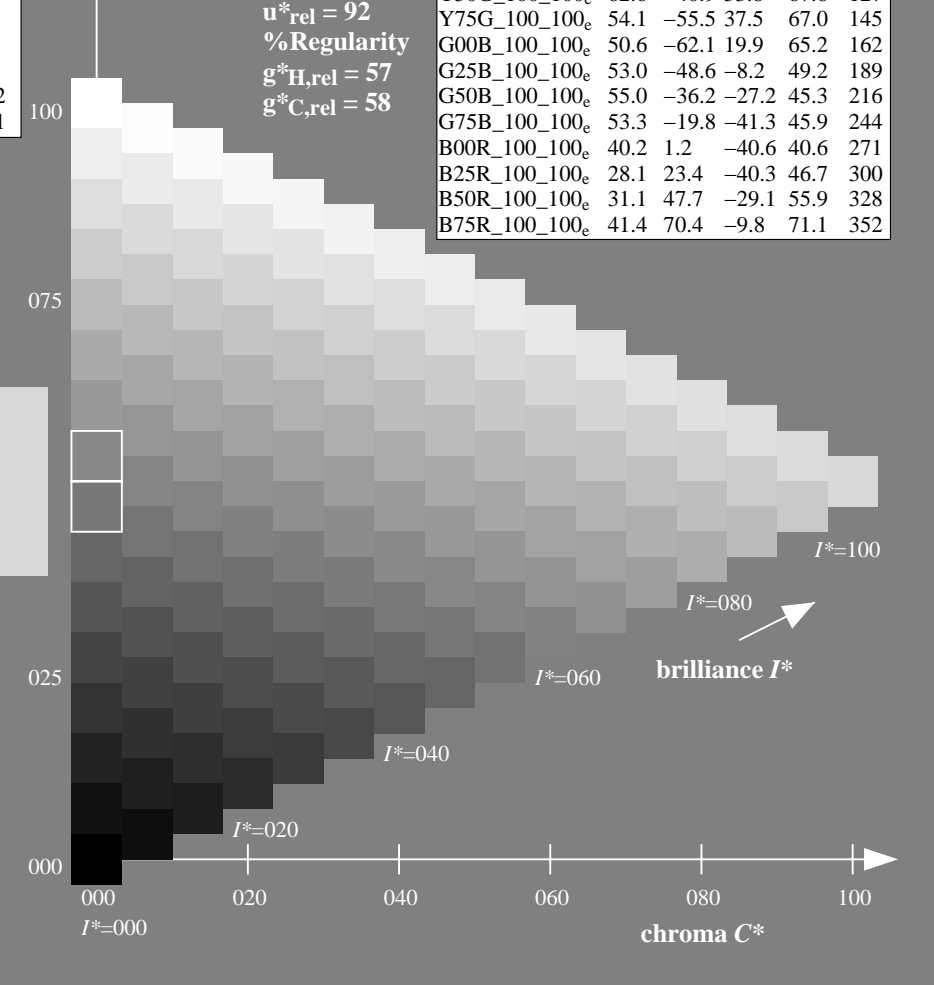
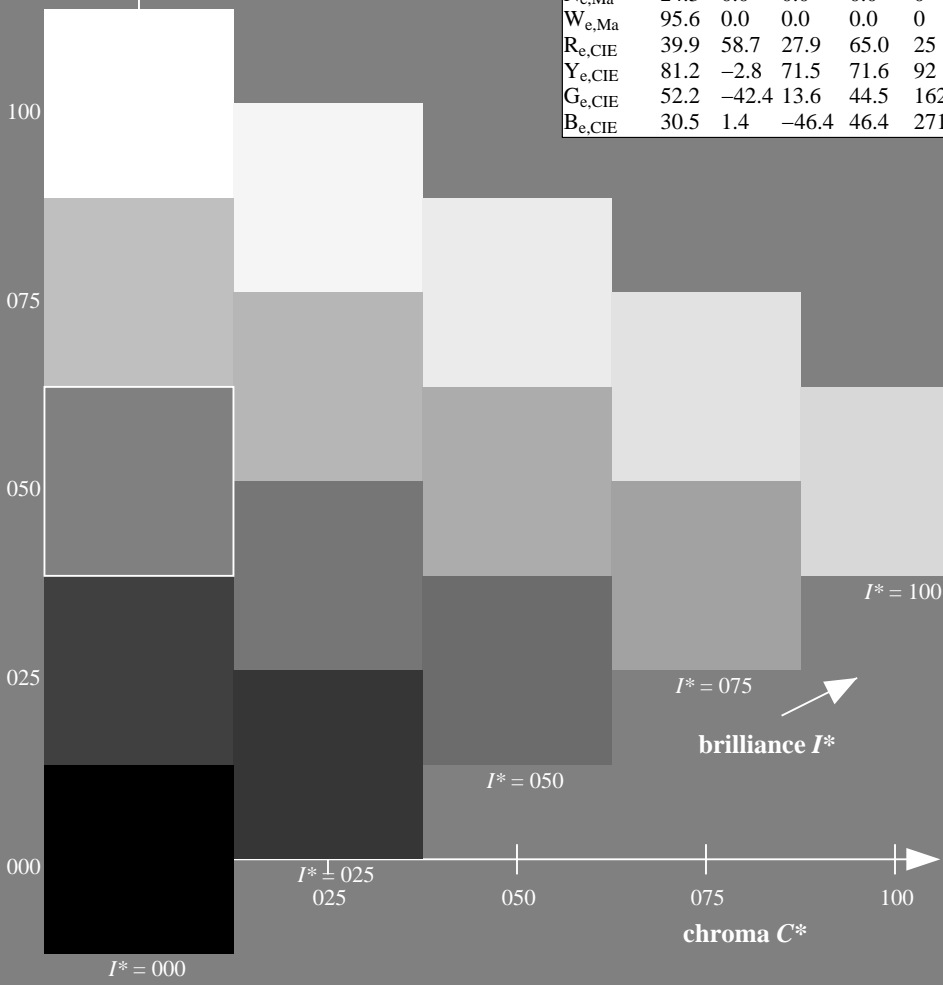
%Regularity

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

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

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/RE08LONA.TXT> /PS
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE08/RE08LONA.TXT /PS
 application for measurement of offset print output, separation cmy0 (CMY0)
 TUB material: code=rh4ta

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

$H^*_e = G75B_e$

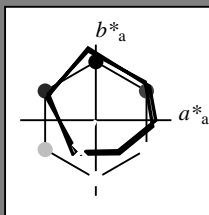
Data for any device (d) or elementary (e) colour:

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

$u^*_{rel} = 92$

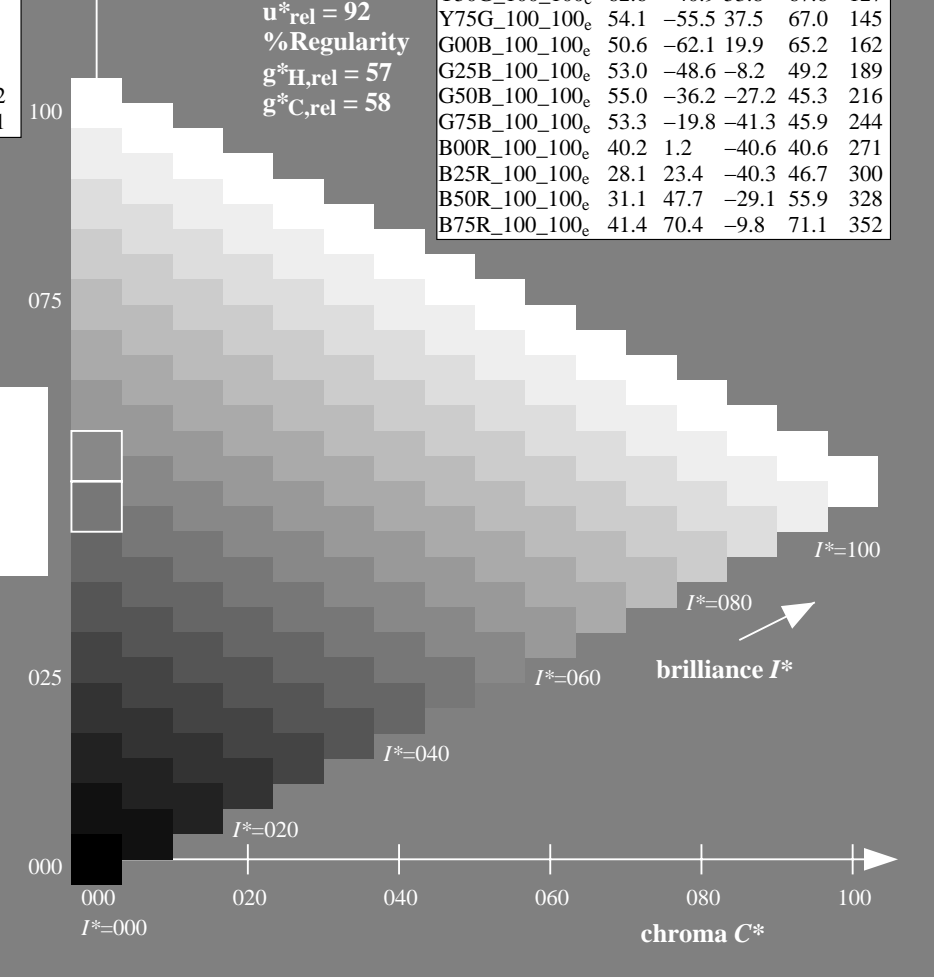
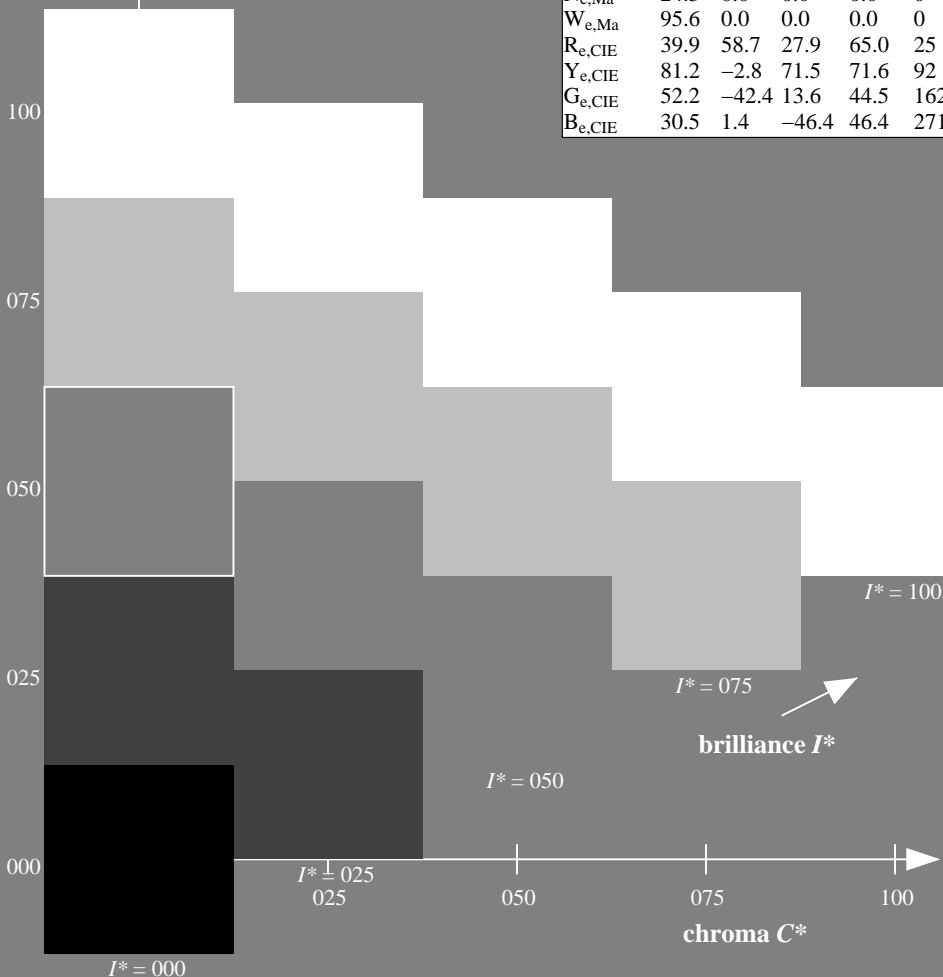
%Regularity

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

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

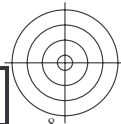
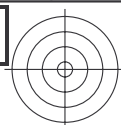
ORS20a; adapted (a) CIELAB data

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



TUB registration: 20150701-RE08/RE08L0NA.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/RE08.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



1-013531-L0 RE080-71

TUB-test chart RE08; hue code: $H^*_e=G75B_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

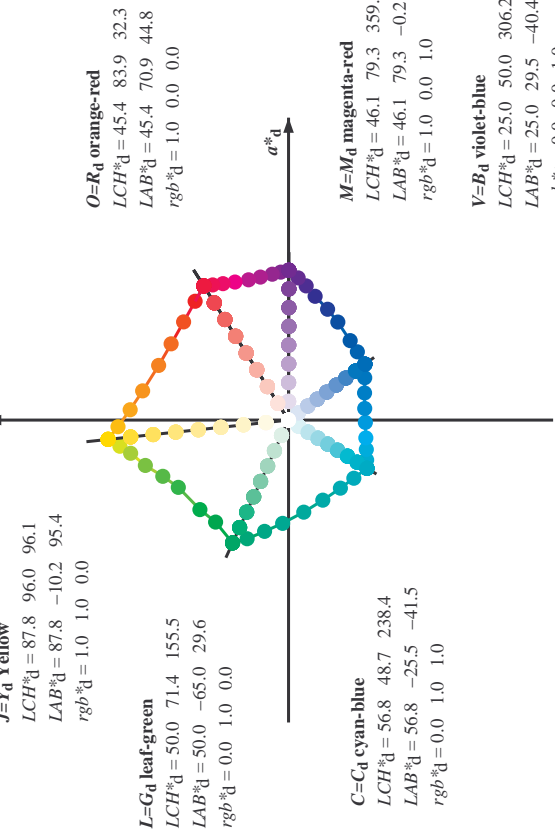
input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

1-013531=F0

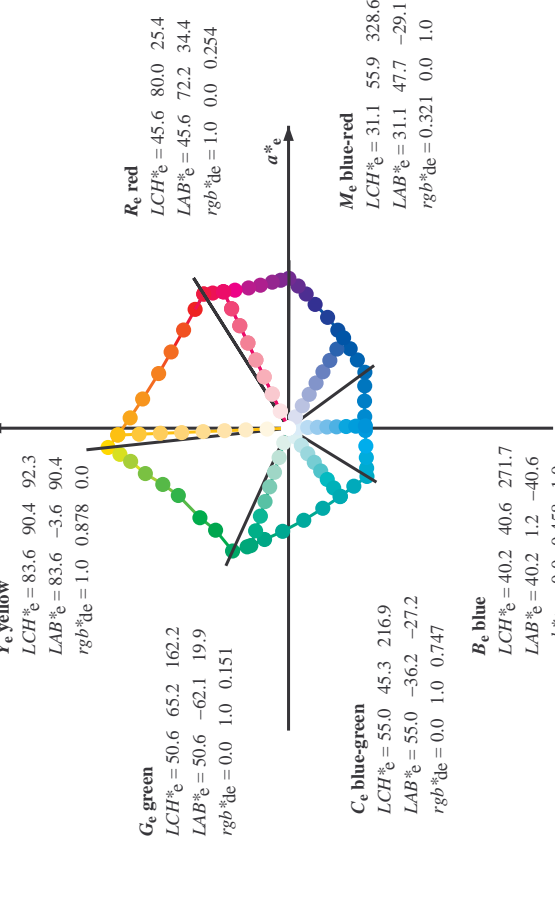


Data of Maximum color, M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours RYGBM_d: $h_{ab,d} = 32.3, 96.1, 155.5,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

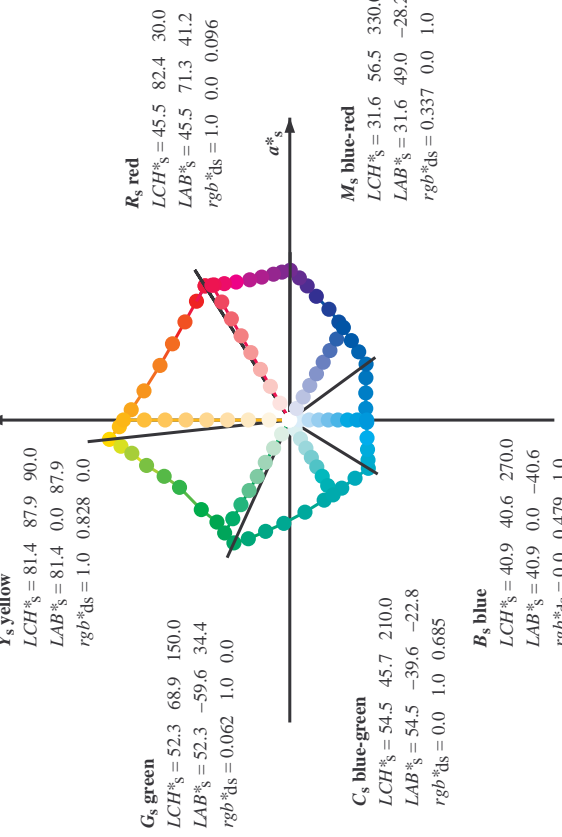
J=Y_d Yellow
device CIELAB (a^*_d, b^*_d) chroma diagram



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

$$h_{ab,s} = \arctan \left[r^*_s \cos(30) + g^*_s \cos(150) \right] / \left[r^*_s \sin(30) + g^*_s \sin(150) \right] + b^*_s \sin(270) \quad (1)$$
- For the 48 or 360 equally spaced standard hue angles $h_{ab,i}$ 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:

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

$$h_{360ab,ij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- For the 48 or 360 elementary hue angles $h_{ab,i}$ 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:

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

$$h_{360ab,ej} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- 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: $h_{ab,d,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
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: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Table with 10 columns: h_ab,d, h_ab,s, h_ab,e, rg^b^*, dg^b^*, dg^b^*_d, dg^b^*_s, dg^b^*_e, LAB^* dxs36IM, LAB^* dex36IM. The table contains numerical data for various color standards and device colors, including hue angles and colorimetric coordinates.

LAB^* dxs36IM LAB^* dex36IM
32.3 38.1 46.8 56.9 67.1 78.6 86.2 96.1 98.8 101.8 107.6 114.0 121.4 135.3 144.4 155.5 160.7 167.7 176.7 189.3 203.2 217.2 228.3 238.4 242.9 249.3 256.9 268.2 278.6 289.6 299.0 306.2 314.7 322.1 333.3 340.5 347.9 352.5 356.1 359.8 363.0 366.4 371.1 375.9 381.2 385.6 389.3 392.3

Technical information block on the right side of the page, including a color calibration chart with 48 step hue circles, a registration mark, and contact information for PS-BAM.de.

Technical information block on the left side of the page, including a registration mark, a color calibration chart, and contact information for PS-BAM.de.



http://130.149.60.45/~farbmetrik/RE08/RE08L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/33

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 RYGBM_d: h_{ab,d} = 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

Table with 16 columns: h_{ab,d}, h_{ab,s}, h_{ab,e}, rg b*_d, rg b*_s, rg b*_e, LAB*_d, LAB*_s, LAB*_e, Y_d, Y_s, Y_e, rg b*_d361MI, rg b*_s361MI, rg b*_e361MI, LAB*_d361MI (x=LabCh), LAB*_s361MI (x=LabCh), LAB*_e361MI (x=LabCh), rg b*_d361MI, rg b*_s361MI, rg b*_e361MI. The table contains 124 rows of color data with varying values for each parameter.

Input: rgb/cmyk -> rgbe
Output: transfer to cmy0e
I-0131031-L0 RE080-71 LAB*_{a0}, Y_N=0%, XY_{Znw}=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*_{nw}=24.4, 0.0, 0.0, 95.6, 0.0, 0.0
TUB-test chart RE08; hue code: H*_e=G75Be
48 step hue circles; rg b-LabCh*tables
Output: Offset standard print; separation cmy0*, D65, page 1/33



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 RYGBM; i: h_ab,ds = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with columns for device colors (h_ab,d, h_ab,s, h_ab,e, h_ab,i, h_ab,m, h_ab,o, h_ab,u, h_ab,v, h_ab,w, h_ab,x, h_ab,y, h_ab,z), Lab* (L*, a*, b*), and RGB* (r, g, b) values for 60 standard colors. Includes sub-headers for Lab* (ds361MI, dd361MI, dx361MI, de361MI) and RGB* (ds361MI, dd361MI, dx361MI, de361MI).

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

Table with 33 columns: Device color, Lab parameters, Hue angles, and separation colors. Rows include color names like '167', '168', '169', etc., and corresponding Lab values and hue angles.

Registration marks (crosshair and circles) and a vertical bar on the right edge.

Registration marks (crosshair and circles) and a vertical bar on the left edge.

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;

Table with 15 columns: h_{ab,d}, h_{ab,s}, h_{ab,e}, LAB*_{ds361MI} (x=LabCh), LAB*_{ds361MI}, LAB*_{ds361MI} (x=LabCh), LAB*_{ds361MI}, LAB*_{ds361MI} (x=LabCh), LAB*_{ds361MI}, LAB*_{ds361MI}, LAB*_{ds361MI} (x=LabCh), LAB*_{ds361MI}, LAB*_{ds361MI}, LAB*_{ds361MI} (x=LabCh), LAB*_{ds361MI}. Rows 238-289.

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

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

Output: Offset standard print; separation cmy0; D65, page 14/33

http://130.149.60.45/~farbmetrik/RE08/RE08L0NA.TXT /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 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;

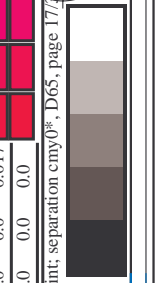
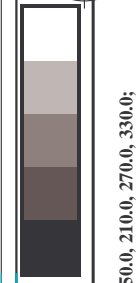
Table with 15 columns: h_ab,d, h_ab,s, h_ab,e, rgb%_dd361M, LAB*_dcs361MI, LAB*_dcs361MI (x=LabCh), rgb%_dd361MI, LAB*_dex361MI (x=LabCh), rgb%_dd361MI, LAB*_dex361MI (x=LabCh), rgb%_dd361MI, LAB*_dex361MI (x=LabCh), rgb%_dd361MI, LAB*_dex361MI (x=LabCh), rgb%_dd361MI, LAB*_dex361MI (x=LabCh). Rows 340-366.

I=0131531=L0 RE080-71 LAB*ta0, 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

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

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

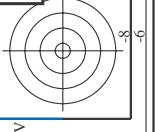
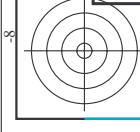


http://130.149.60.45/~farbmetrik/RE08/RE08L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 17/33

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

Table with columns for color codes (e.g., h_ab,d, h_ab,s, L*a*b*) and corresponding numerical values for each of the 392 color patches.

LAB*da0, YN=0%, XY Znw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=2.4, 0.0, 0.0, 95.6, 0.0, 0.0



TUB-test chart RE08; hue code: H*_e=G75B_e input: rgb/cmyk -> rgbe output: transfer to cmy0_e

Output: Offset standard print; separation cmy0*, D65, page 17/33

http://130.149.60.45/~farbmetrik/RE08/RE08LONA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/33

Table with 80 columns (numbered 1-80) and 100 rows (numbered 1-100). Columns include color names (e.g., HVC, rpb, icr, hsb, rpb, Lab, DPF, Ham, rpb, Lab, DPF, Ham, rpb, Lab) and numerical values. A 'Mean color difference' column is at the bottom right.

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

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

RE080-TN; Page 20/33-F I=101931-F0 I=101931-F0

http://130.149.60.45/~farbmetrik/RE08/RE08LONA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 21/33

Table with 16 columns: n, HHC*Fe, rgB*Fe, iet*Fe, HsL*Fe, rgB*Fe, LabCH*Fe, LabCH*Fe, rgB*Fe, LabCH*Fe, DF*Fe, HsM*Fe, rgB*Fe, LabCH*Fe, LabCH*Fe. Rows 81-161.

Mean color difference of this page: delta E* = 12.0

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

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

http://130.149.60.45/~farbmetrik/RE08/RE08LONA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 22/33

Table with 24 columns: n, HHC*Fe, rpb*Fe, icr*Fe, Hs_Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe, LabCH*Fe, DF*Fe, HaMe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe. Rows include color names like ROOY, B50R, B34R, etc.

Mean color difference of this page: delta E* = 13.7

TUB-test chart RE08; hue code: H*e=G75Be colors and differences, ΔE* input: rgb/cmyk -> rgbe output: transfer to cmy0e

http://130.149.60.45/~farbmetrik/RE08/RE08LONA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/33

Table with 15 columns: n, HHC*Fe, rpb*Fe, icr*Fe, Hs_Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, DF*Fe, Hs_Me, LabCH*Me, rpb*Me, LabCH*Me, delta_E* = 15.7. Rows 324-404.

Mean color difference of this page:

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

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

http://130.149.60.45/~farbmetrik/RE08/RE08LONA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 25/33

Table with 15 columns: n, HHC*Fe, rgb*Fe, icr*Fe, Hs*Fe, rgb*Fe, LabCh*Fe, LabCh*Fe, LabCh*Fe, LabCh*Fe, DF*Fe, Hs*Fe, LabCh*Fe, rgb*Fe, LabCh*Fe. Rows 405-485.

Mean color difference of this page: delta E* = 15.9

TUB-test chart RE08; hue code: H*e=G75Be colors and differences, ΔE* input: rgb/cmyk -> rgb output: transfer to cmy0e

http://130.149.60.45/~farbmetrik/RE08/RE08LONA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 26/33

Table with 15 columns: n, HHC*Fe, rpb*Fe, icr*Fe, Hs*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, DF*Fe, Hs*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe. Rows include color names like R00Y, R35Y, R50Y, etc.

Mean color difference of this page:

delta E* = 14.5

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

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

http://130.149.60.45/~farbmatrik/RE08/RE08L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 27/33

Table with 15 columns: n, HHC*Fe, rpb*Fe, icr*Fe, Hs*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, DF*Fe, Hs*Fe, LabCH*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe. Rows 567-647.

Mean color difference of this page: delta E* = 13.8

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

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

RE080-TN; Page 27/33-F

I-0132631-F0

http://130.149.60.45/~farbmetrik/RE08/RE08L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/33

Table with 16 columns: n, HHC*Fe, rpb*Fe, icr*Fe, Hs*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe, DF*Fe, Hs*Me, LabCH*Me, rpb*Me, LabCH*Me, DF*Me. Rows include color codes like R00Y, R38Y, etc.

RE080-TN; Page 28/33-F

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

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

delta E* = 15.7

Mean color difference of this page:



http://130.149.60.45/~farbmetrik/RE08/RE08L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 29/33

Table with columns: n, H#C*Fe, rpb*Fe, icr*Fe, Hs*Fe, rpb*Fe, LabC*H*Fe, LabCH*Fe, rpb*Fe, LabCH*Fe, DF*Fe, Hs*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe. Rows represent various color patches and their corresponding colorimetric values.

Mean color difference of this page: delta E* = 9.5

TUB-test chart RE08; hue code: H*e=G75Be colors and differences, ΔE* input: rgb/cmyk -> rge output: transfer to cmy0e

http://130.149.60.45/~farbmetrik/RE08/RE08LONA.TXT /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, H#S, Fe, LabCh*Fe, LabCh*Fe, H#S, Fe, LabCh*Fe, LabCh*Fe, H#S, Fe, LabCh*Fe, LabCh*Fe, H#S, Fe, LabCh*Fe, LabCh*Fe, H#S, Fe, LabCh*Fe, LabCh*Fe. Rows 810-890.

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

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

RE080-TN, Page 30/33-F

I=1032931-F0

Mean color difference of this page: delta E* = 12.1

http://130.149.60.45/~farbmetrik/RE08/RE08L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 31/33

Table with 15 columns: n, H#C*Fe, rpb*Fe, icr*Fe, hsa*Fe, rpb*Fe, LabC*Fe, LabCh*Fe, DF*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, LabC*Fe, LabCh*Fe, LabC*Fe. Rows include color names like NW_100k, B50R_100.025k, etc.

Mean color difference of this page: delta E* = 15.4

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

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

http://130.149.60.45/~farbmetrik/RE08/RE08LONA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 32/33

Table with 15 columns: n, H* C* M*, r* g* b*, i* e* r*, i* s* a*, r* g* b*, Lab C* M* L*, Lab C* M* L*, r* g* b*, D* F* e*, H* a* M* e, r* g* b*, Lab C* M* L*, Lab C* M* L*. Rows 972-1052.

Mean color difference of this page: delta E*90 = 9.2

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

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



http://130.149.60.45/~farbmetrik/RE08/RE08L0NA.TXT /PS; transfer output
 N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33

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

n	H* C* Fc	rgb* Fe	Lab C* H* Fe	Lab C* H* Fe	Lab C* H* Fe	Lab C* H* Fe	Lab C* H* Fe	DF* Fe	Hs* Fe	rgb* Fe	Lab C* H* Fe	Lab C* H* Fe	Lab C* H* Fe	DF* Fe	Hs* Fe	rgb* Fe	Lab C* H* Fe	Lab C* H* Fe	Lab C* H* Fe	DF* Fe	Hs* Fe	rgb* Fe	Lab C* H* Fe	Lab C* H* Fe
1053	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866
1054	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933
1055	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1056	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1057	NW_006e	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066
1058	NW_013e	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133
1059	NW_020e	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1060	NW_026e	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266
1061	NW_033e	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333
1062	NW_040e	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
1063	NW_046e	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466
1064	NW_053e	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533
1065	NW_060e	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
1066	NW_066e	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666
1067	NW_073e	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734
1068	NW_080e	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
1069	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866
1070	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933
1071	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1072	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1073	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1074	ROY_100_100e	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0
1075	GY00_100_100e	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
1076	Y000_100_100e	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0
1077	B000_100_100e	0.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
1078	B000_100_100e	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
1079	B500_100_100e	1.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0

Mean color difference of this page: $\Delta E^*_{90} = 10.3$