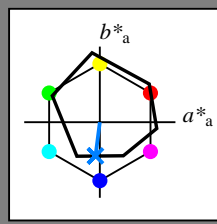


Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 262/360 = 0.72$

$H^*_ = G75B_$

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 <sub>-,Ma</sub>	47.9	65.3	50.5	82.6	37
Y <sub>-,Ma</sub>	90.3	-10.2	91.7	92.3	96
G <sub>-,Ma</sub>	50.9	-62.8	34.9	71.9	150
C <sub>-,Ma</sub>	58.6	-30.3	-45.0	54.2	236
B <sub>-,Ma</sub>	25.7	31.0	-44.4	54.2	305
M <sub>-,Ma</sub>	48.1	75.2	-8.3	75.7	353
N <sub>-,Ma</sub>	18.0	0.0	0.0	0.0	0
W <sub>-,Ma</sub>	95.4	0.0	0.0	0.0	0
R <sub>-,CIE</sub>	39.9	58.7	27.9	65.0	25
Y <sub>-,CIE</sub>	81.2	-2.8	71.5	71.6	92
G <sub>-,CIE</sub>	52.2	-42.4	13.6	44.5	162
B <sub>-,CIE</sub>	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\_

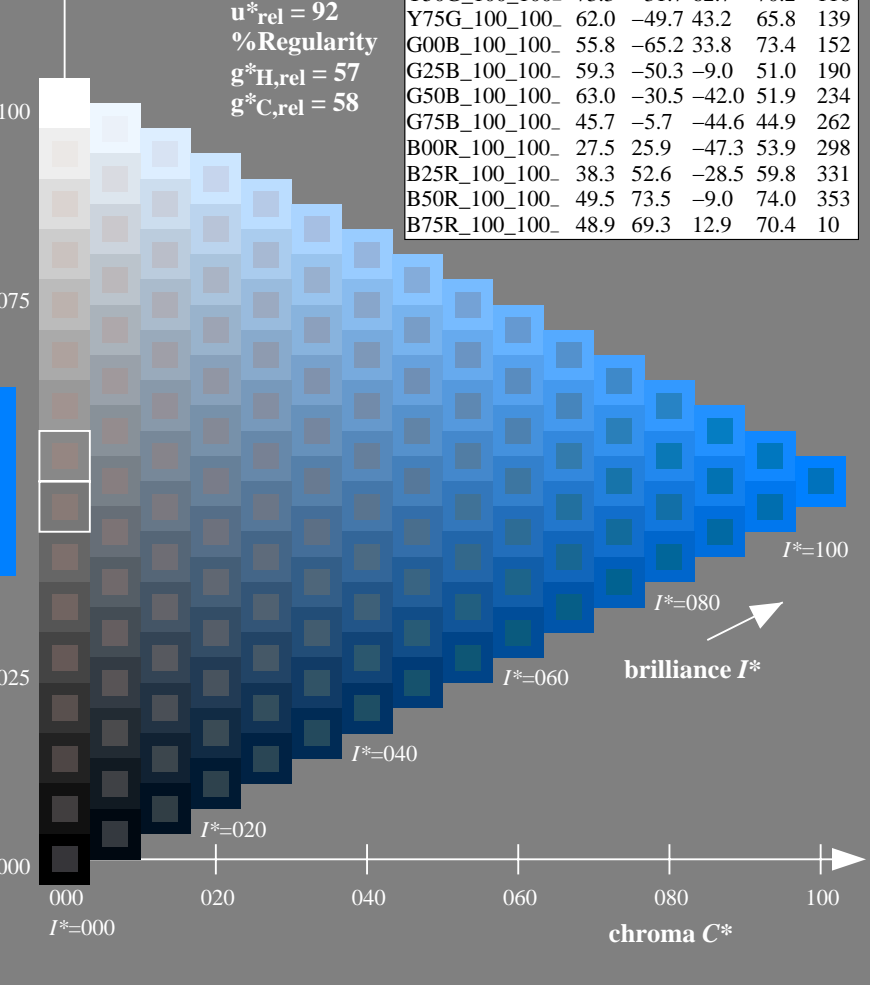
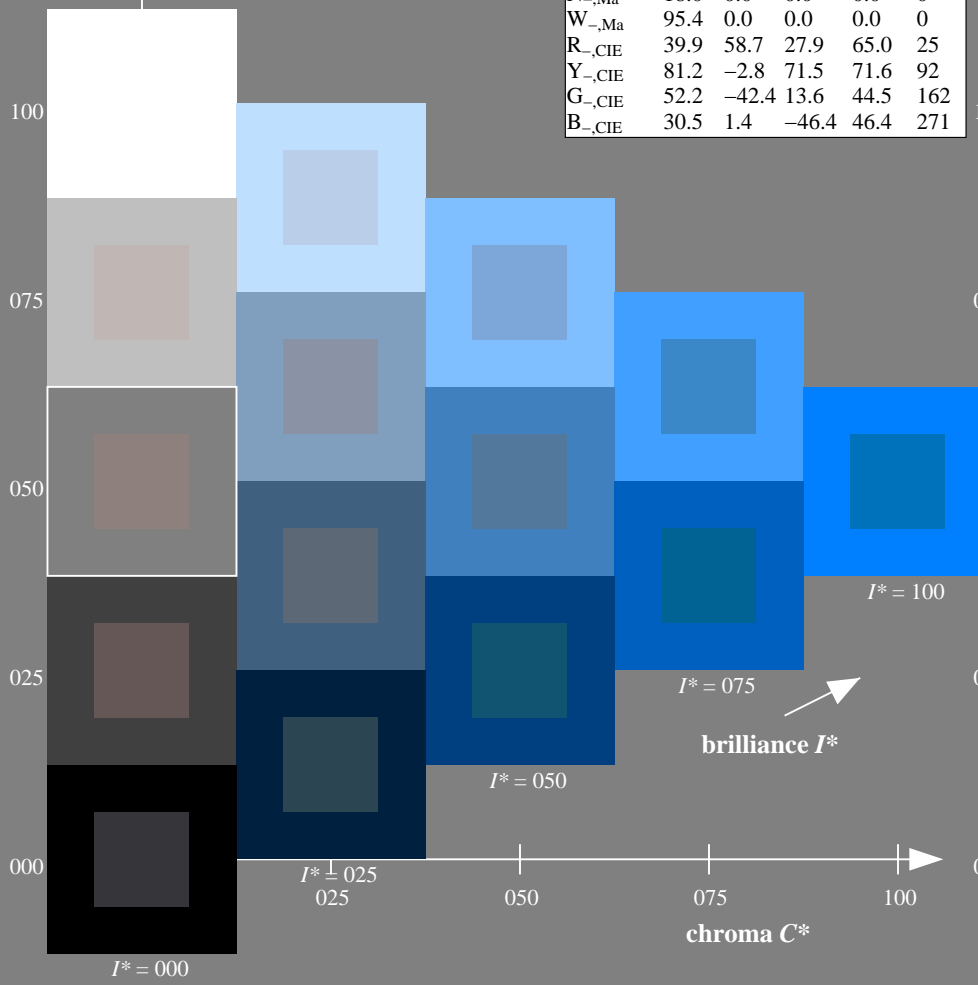
$rgbic^*_{-,Ma}$ :

0.0 0.5 1.0 1.0 1.0

triangle lightness  $T^*$

**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



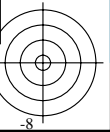
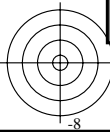
see similar files: <http://130.149.60.45/~farbmetrik/RE05/RE05.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE05/RE05L0FA.TXT /PS  
application for measurement of offset print output

TUB material: code=rh4ta

TUB-test chart RE05; hue code:  $H^*_ = G75B_$   
Test chart according to DIN 33872, 3D=1, de=1,  $cmk^*$

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



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

$H^*_e = G75B_e$

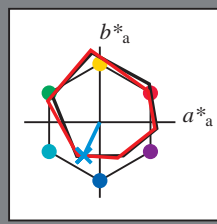
Data for any device (d) or elementary (e) colour:

$HIC^*_e$

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	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):

$LabCh^*_{e, Ma}: 52 -21 -44 48 244$

$HIC^*_{e, Ma}: G75B\_100\_100_e$

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

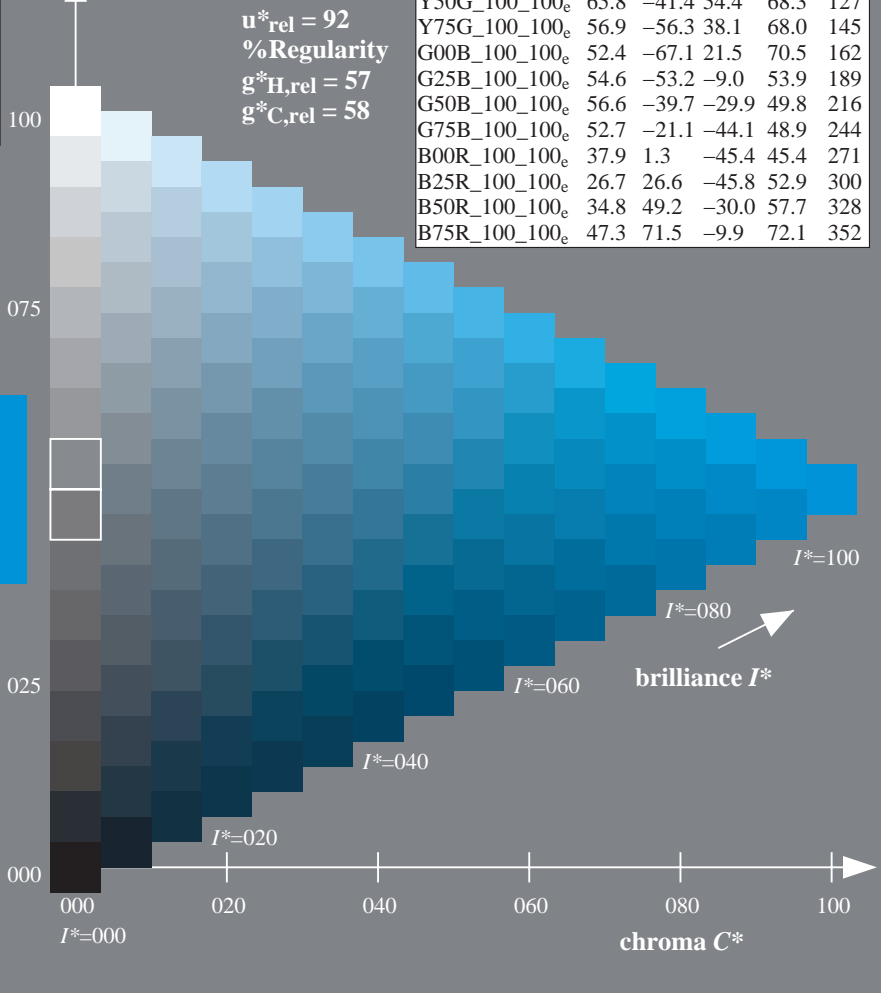
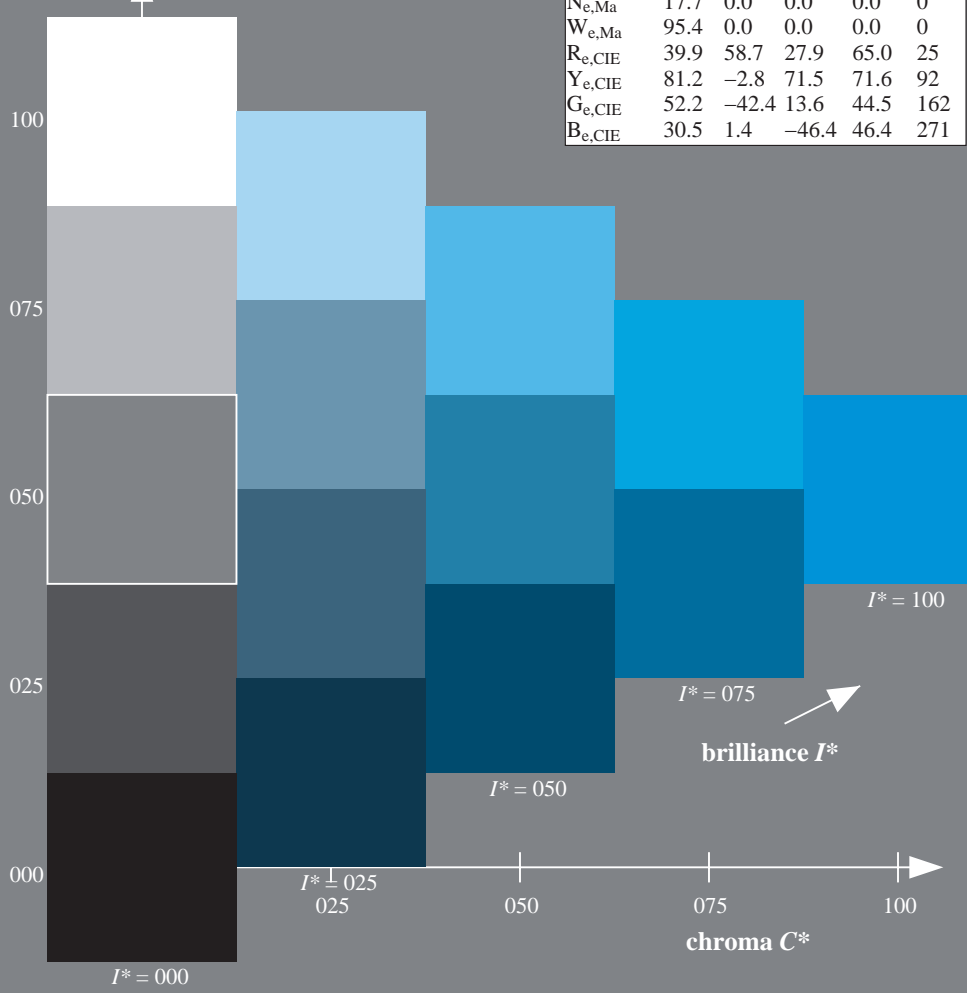
0.0 0.78 1.0 1.0 1.0

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	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



see similar files: http://130.149.60.45/~farbmetrik/RE05/RE05L0FA.TXT /.PS  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE05/RE05L0FA.TXT /.PS  
application for measurement of offset print output, separation cmyk6\* (CMYK)  
TUB material: code=rh4ta

1-113130-L0 RE050-73

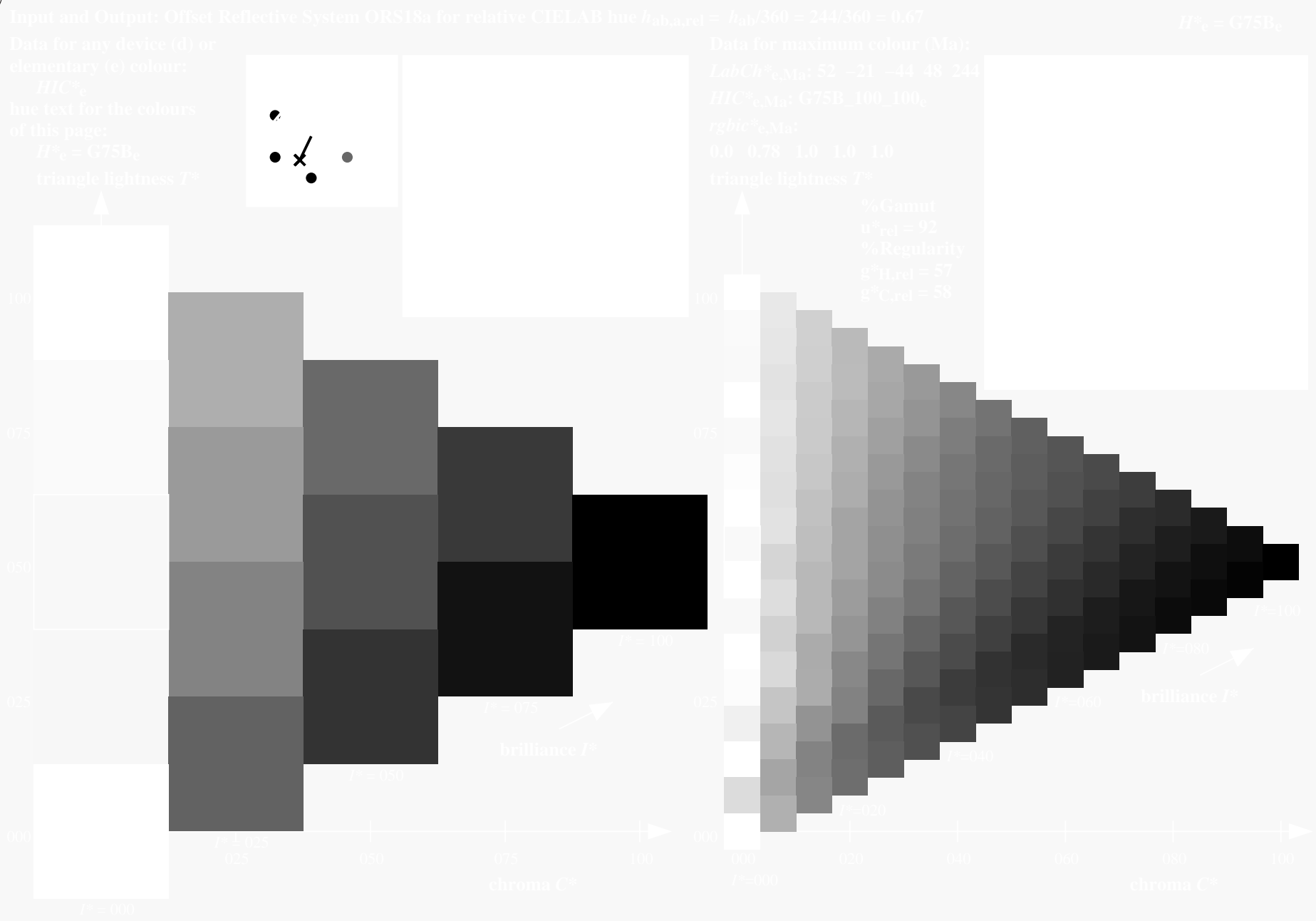
TUB-test chart RE05; hue code:  $H^*_e = G75B_e$   
Test chart according to DIN 33872, 3D=1, de=1,  $cmyk^*$

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

1-113130-F0

see similar files: <http://130.149.60.45/~farbmetrik/RE05/RE05L0FA.TXT>  
<http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

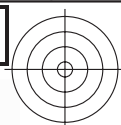
TUB registration: 20150701-RE05/RE05L0FA.TXT /.PS TUB material: code=rh4ta  
 application for measurement of offset print output, separation cmykn6\* (CMYK)



TUB-test chart RE05; hue code:  $H^*_e = G75B_e$   
 Test chart according to DIN 33872, 3D=1, de=1, cmyk\*

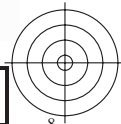
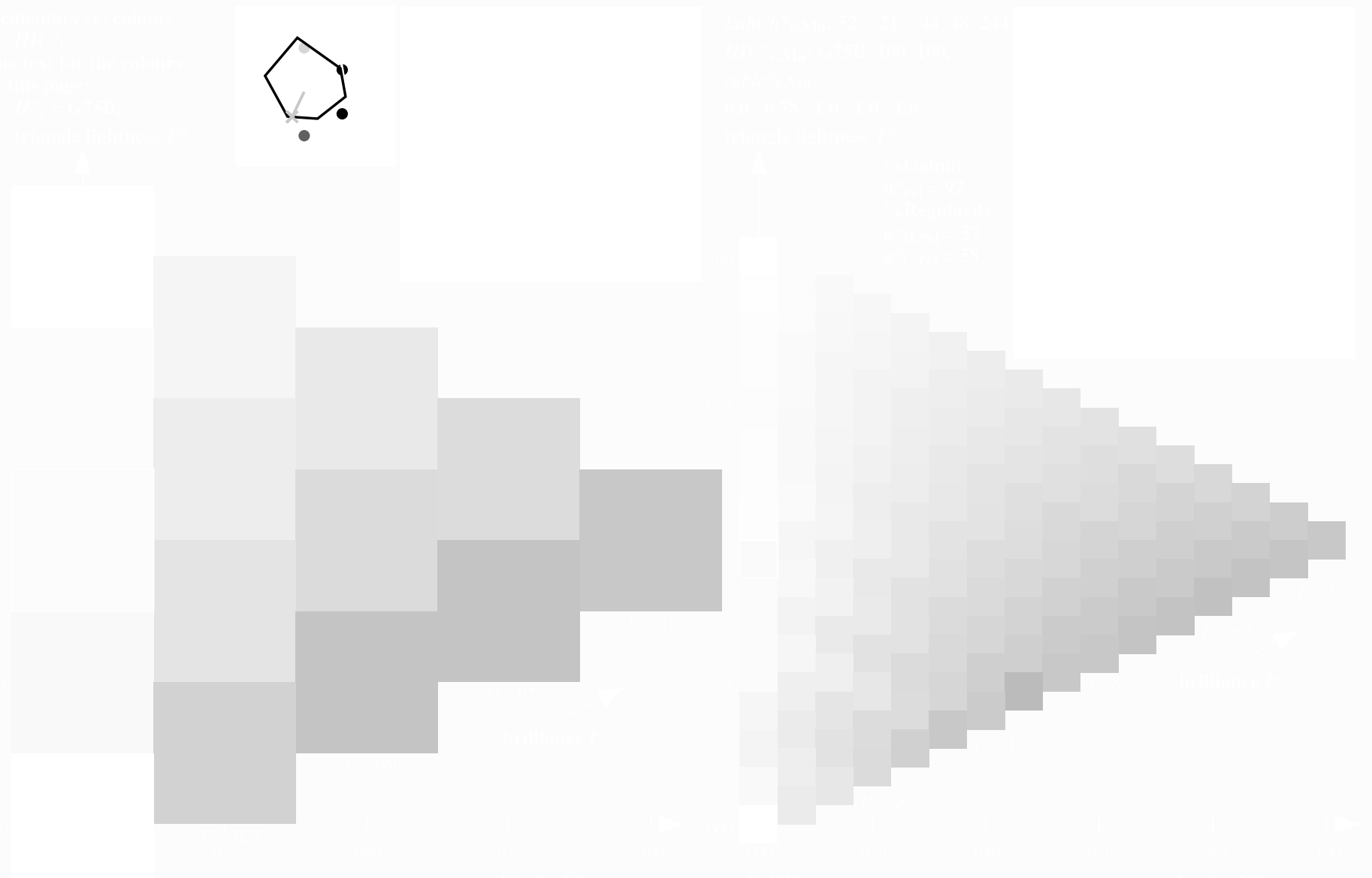
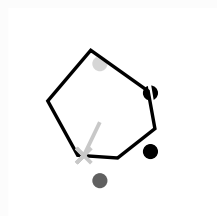
input:  $rgb/cmyk \rightarrow rgb_{de}$   
 output: 3D-linearization to  $cmyk^*_{de}$





see similar files: <http://130.149.60.45/~farbmetrik/RE05/RE05L0FA.TXT>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE05/RE05L0FA.TXT /.PS TUB material: code=rh4ta  
application for measurement of offset print output, separation cmyk6\* (CMYK)



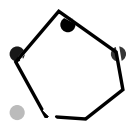
1-113330-L0 RE050-73

TUB-test chart RE05; hue code:  $H^*_e=G75B_e$   
Test chart according to DIN 33872, 3D=1,  $de=1$ , cmyk\*

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

1-113330-E0





1-113430-L0 RE050-73

TUB-test chart RE05; hue code:  $H^*_e=G75B_e$   
Test chart according to DIN 33872, 3D=1, de=1, cmyk\*

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



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

$H^*_e = G75B_e$

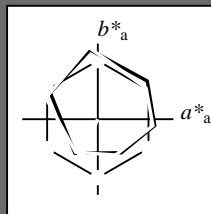
Data for any device (d) or elementary (e) colour:

$HIC^*_e$

hue text for the colours of this page:

$H^*_e = G75B_e$

triangle lightness  $T^*$



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R <sub>e, Ma</sub>	47.6	64.9	30.9	71.9	25
Y <sub>e, Ma</sub>	82.9	-3.5	87.8	87.9	92
G <sub>e, Ma</sub>	52.4	-67.1	21.5	70.5	162
C <sub>e, Ma</sub>	56.6	-39.7	-29.9	49.8	216
B <sub>e, Ma</sub>	37.9	1.3	-45.4	45.4	271
M <sub>e, Ma</sub>	34.8	49.2	-30.0	57.7	328
N <sub>e, Ma</sub>	17.7	0.0	0.0	0.0	0
W <sub>e, Ma</sub>	95.4	0.0	0.0	0.0	0
R <sub>e, CIE</sub>	39.9	58.7	27.9	65.0	25
Y <sub>e, CIE</sub>	81.2	-2.8	71.5	71.6	92
G <sub>e, CIE</sub>	52.2	-42.4	13.6	44.5	162
B <sub>e, CIE</sub>	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{e, Ma}: 52 \ -21 \ -44 \ 48 \ 244$

$HIC^*_{e, Ma}: G75B\_100\_100_e$

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

0.0 0.78 1.0 1.0 1.0

triangle lightness  $T^*$

%Gamut

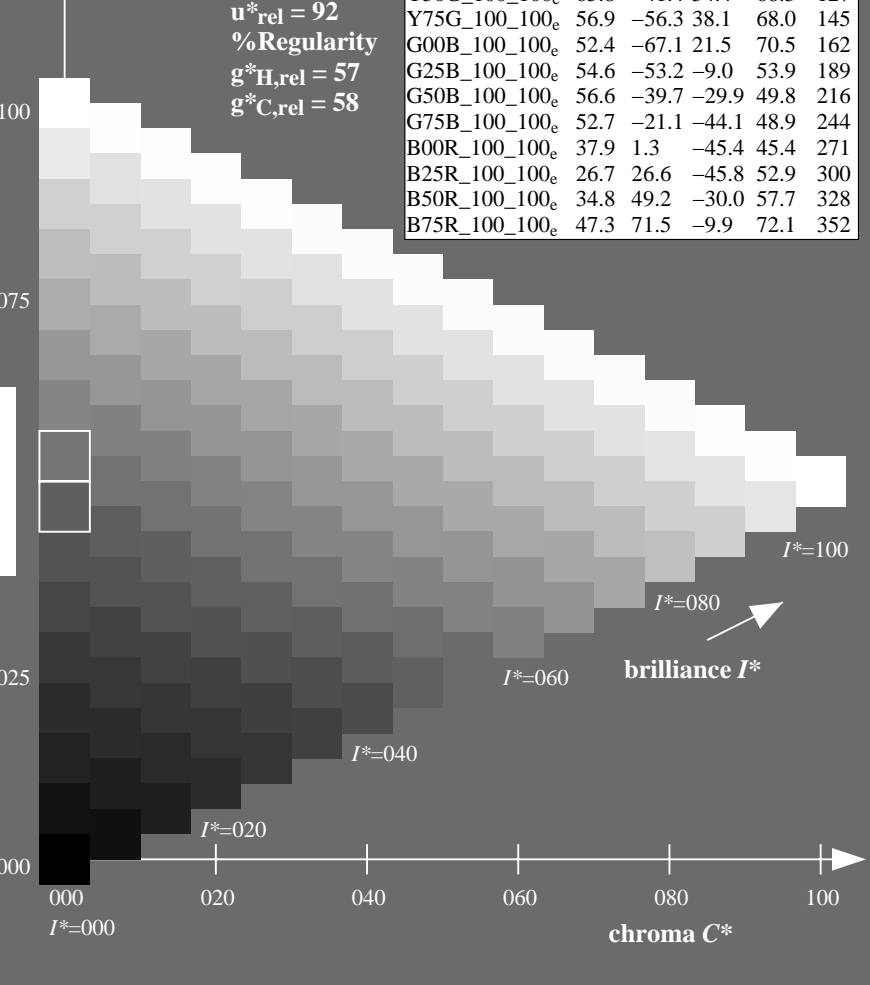
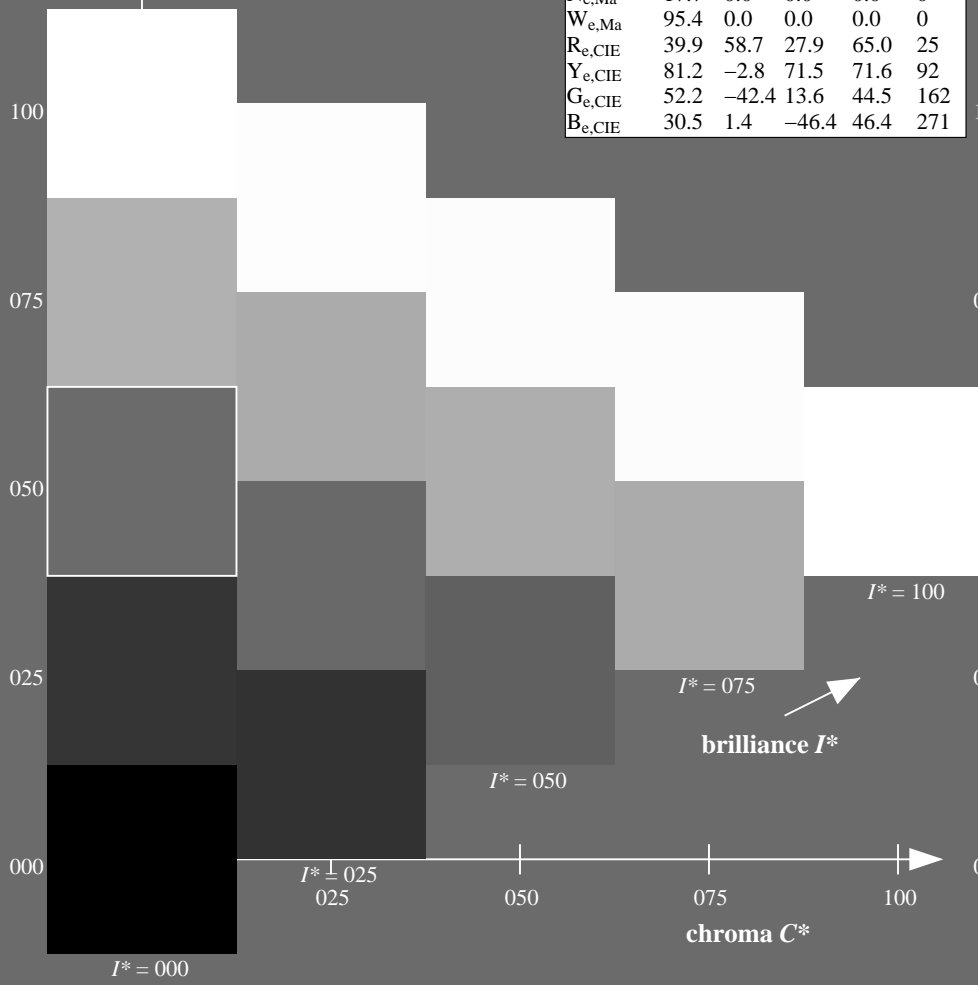
$u^*_{rel} = 92$

%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 <sub>e</sub>	47.6	64.9	30.9	71.9	25
R25Y_100_100 <sub>e</sub>	51.5	54.2	47.2	71.9	41
R50Y_100_100 <sub>e</sub>	60.3	35.6	59.0	68.9	58
R75Y_100_100 <sub>e</sub>	70.4	17.0	72.2	74.1	76
Y00G_100_100 <sub>e</sub>	82.9	-3.5	87.8	87.9	92
Y25G_100_100 <sub>e</sub>	76.9	-25.5	75.9	80.1	108
Y50G_100_100 <sub>e</sub>	65.8	-41.4	54.4	68.3	127
Y75G_100_100 <sub>e</sub>	56.9	-56.3	38.1	68.0	145
G00B_100_100 <sub>e</sub>	52.4	-67.1	21.5	70.5	162
G25B_100_100 <sub>e</sub>	54.6	-53.2	-9.0	53.9	189
G50B_100_100 <sub>e</sub>	56.6	-39.7	-29.9	49.8	216
G75B_100_100 <sub>e</sub>	52.7	-21.1	-44.1	48.9	244
B00R_100_100 <sub>e</sub>	37.9	1.3	-45.4	45.4	271
B25R_100_100 <sub>e</sub>	26.7	26.6	-45.8	52.9	300
B50R_100_100 <sub>e</sub>	34.8	49.2	-30.0	57.7	328
B75R_100_100 <sub>e</sub>	47.3	71.5	-9.9	72.1	352



see similar files: <http://130.149.60.45/~farbmetrik/RE05/RE05L0FA.TXT> /PS  
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE05/RE05L0FA.TXT /PS  
 application for measurement of offset print output, separation cmyk6\* (CMYK)  
 TUB material: code=rh4ta

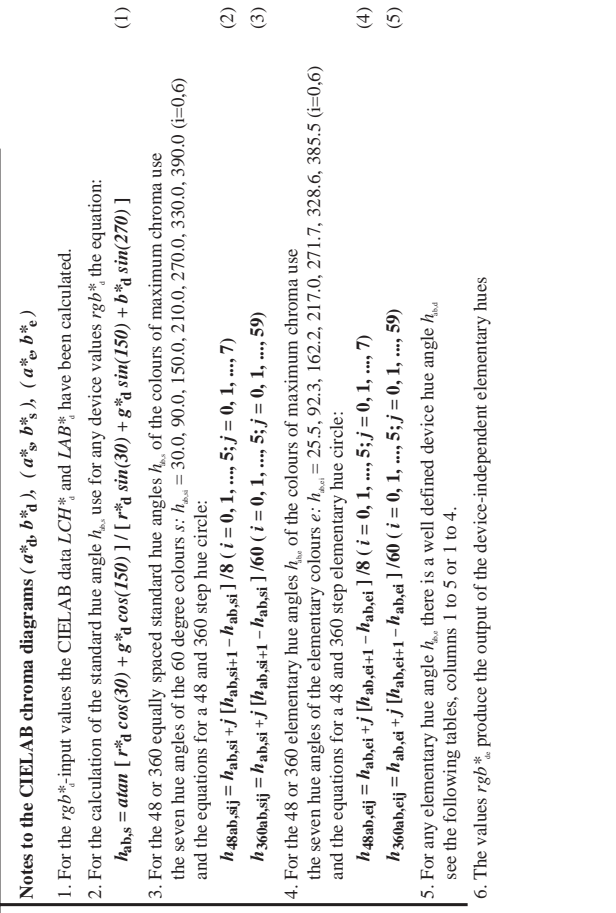
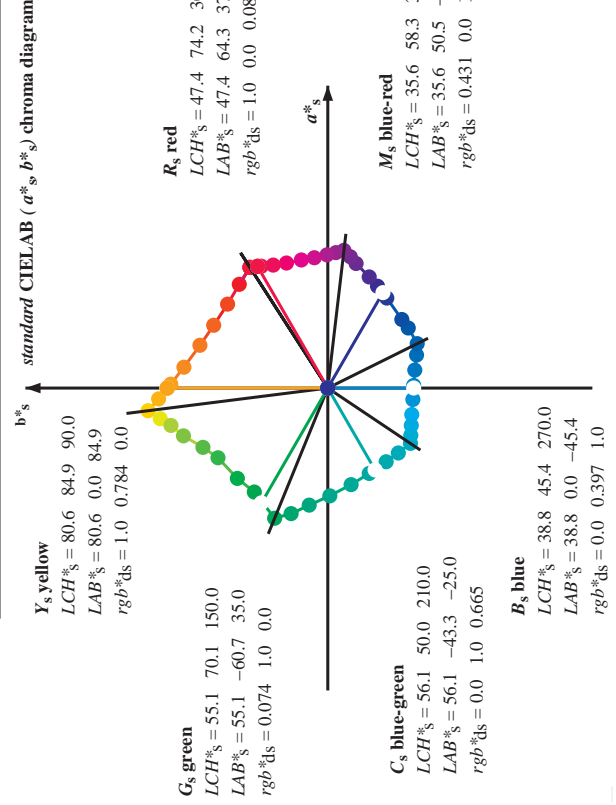
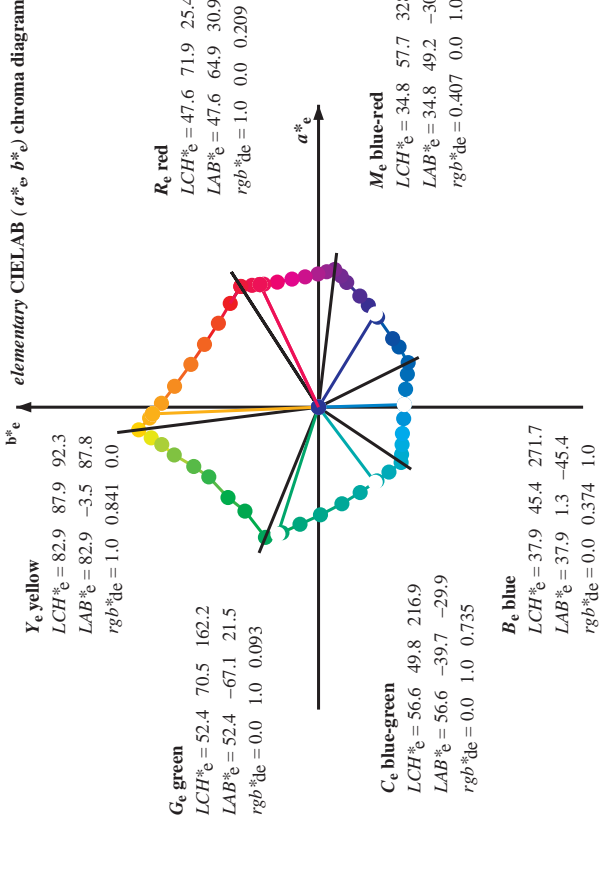
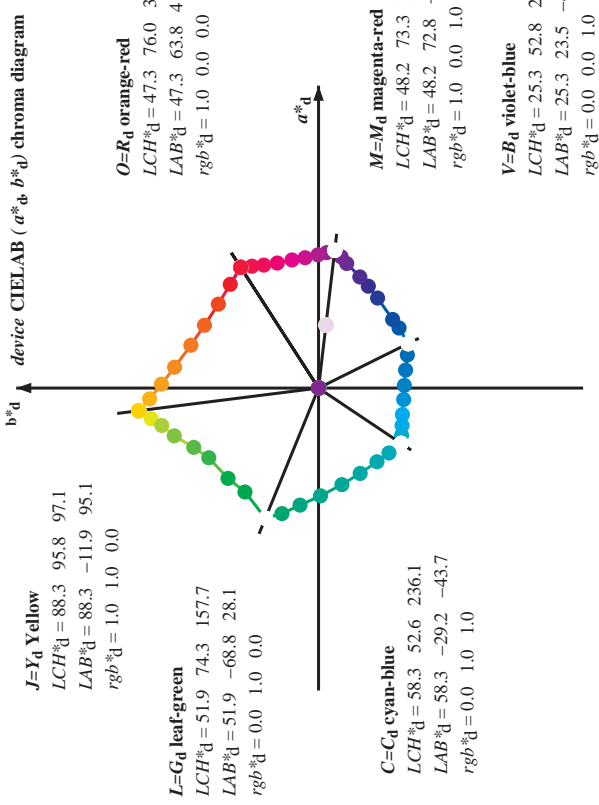
1-113530-L0 RE050-73

TUB-test chart RE05; hue code:  $H^*_e = G75B_e$   
 Test chart according to DIN 33872, 3D=1, de=1, cmyk\*

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

1-113530-F0

Data of Maximum color, M in colorimetric system Offset standard print; separation cmyk\* 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;  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$







Data of Maximum color, M in colorimetric system Offset standard print; separation cmyk\* 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;  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{ds}$	$rgb^*_{de}$	$LAB^*_{dx64M}$ (x=LabCh)	$rgb^*_{ds}$	$rgb^*_{de}$	$LAB^*_{dx36IM}$	$LAB^*_{dex36IM}$	
32.8	30.0	25.4	1.0	0.0	47.3	63.8	41.2	76.0	32.8	
40.4	37.5	33.8	1.0	0.125	51.2	54.9	46.7	72.1	40.4	
50.0	45.0	42.1	1.0	0.25	56.0	44.4	53.0	69.1	50.0	
61.1	52.5	50.5	1.0	0.375	61.4	33.2	60.3	68.8	61.1	
71.4	60.0	58.8	1.0	0.5	67.2	22.6	67.6	71.2	71.4	
81.7	67.5	67.2	1.0	0.625	73.6	11.0	76.1	76.9	81.7	
88.5	75.0	75.6	1.0	0.75	80.2	2.0	83.0	83.1	88.5	
93.6	82.5	83.9	1.0	0.875	84.2	-5.7	89.4	89.6	93.6	
97.1	90.0	92.3	1.0	1.0	88.3	-11.9	95.1	95.8	97.1	
100.3	97.5	101.0	1.0	0.875	1.0	0.0	85.8	-16.2	88.6	100.3
103.3	105.0	109.7	1.0	0.75	1.0	0.0	82.9	-19.7	83.0	103.3
108.3	112.5	118.5	1.0	0.625	1.0	0.0	77.0	-25.2	76.3	108.3
115.3	120.0	127.2	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115.3
122.4	127.5	136.0	0.375	1.0	0.0	68.9	-36.9	58.1	68.8	122.4
134.9	135.0	144.7	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134.9
144.6	142.5	153.4	0.125	1.0	0.0	57.4	-54.9	38.9	67.3	144.6
157.7	150.0	162.2	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157.7
163.7	157.5	169.0	0.0	1.0	0.125	52.5	-66.4	19.3	69.1	163.7
170.9	165.0	175.9	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170.9
181.0	172.5	182.7	0.0	1.0	0.375	54.1	-56.9	-1.0	56.9	181.0
193.5	180.0	189.6	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193.5
205.9	187.5	196.4	0.0	1.0	0.625	55.8	-45.1	-21.9	50.1	205.9
218.4	195.0	203.2	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218.4
227.3	202.5	210.1	0.0	1.0	0.875	57.5	-34.3	-37.2	50.6	227.3
236.1	210.0	216.9	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236.1
240.3	217.5	223.8	0.0	0.875	1.0	55.2	-25.0	-43.9	50.5	240.3
245.8	225.0	230.6	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245.8
252.5	232.5	237.5	0.0	0.625	1.0	47.7	-13.9	-44.4	46.5	252.5
262.3	240.0	244.3	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262.3
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	-45.4	45.4	271.7
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281.6
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	-46.9	50.1	290.3
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296.4
306.7	277.5	278.8	0.125	0.0	1.0	29.3	31.8	-42.6	53.1	306.7
312.7	285.0	285.9	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312.7
326.7	292.5	293.0	0.375	0.0	1.0	33.8	47.6	-31.2	56.9	326.7
333.9	300.0	300.1	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333.9
339.6	307.5	307.2	0.625	0.0	1.0	40.9	58.8	-21.8	62.7	339.6
347.2	315.0	314.3	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347.2
350.2	322.5	321.4	0.875	0.0	1.0	45.9	69.4	-11.9	70.5	350.2
353.3	330.0	328.6	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	353.3
356.5	337.5	335.7	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	356.5
360.3	345.0	342.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3
365.8	352.5	349.9	1.0	0.0	0.625	48.0	68.9	7.1	69.3	365.8
371.6	360.0	357.0	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371.6
378.2	367.5	364.1	1.0	0.0	0.375	47.7	66.1	21.8	69.6	378.2
383.9	375.0	371.2	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383.9
388.6	382.5	378.3	1.0	0.0	0.125	47.4	64.4	35.1	73.4	388.6
392.8	390.0	385.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392.8

Input:  $rgb/cmyk \rightarrow rgbde$   
Output: 3D-linearization to  $cmyk^*de$

Output: Offset standard print; separation cmyk\* D65, page 9/35



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,d = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with 12 columns: h\_ab,d, h\_ab,s, h\_ab,e, Lab\*\_ds361M, Lab\*\_dss361MI (x=LabCh), Lab\*\_dss361MI (x=LabCh), Lab\*\_ds361MI, Lab\*\_dss361MI (x=LabCh), Lab\*\_dss361MI, Lab\*\_ds361MI, Lab\*\_dss361MI (x=LabCh), Lab\*\_dss361MI. The table contains numerical data for 125 rows of color calibration.

I=1131030-L0 RE050-73 LAB\*ta0, 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 RE05; hue code: H\_e=G75Be 48 step hue circles; rgb-LabCh\*tables

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

Output: Offset standard print; separation cmyk6\*; D65, page 11/36











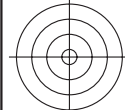












http://130.149.60.45/~farbmetrik/RE05/RE05L0FA.TXT /.PS; 3D-linearization  
F: 3D-linearization RE05/RE05LE30FA.DAT in file (F), page 21/33

Table with 20 columns: n, HHC\*File, rgb\_Role, icr\_File, Hsa\_Rate, rgb\*File, LabCk\*File, 3.8, 8.9, 25.4, cmyk\*sep\_Rate, 0.393, 0.484, 0.435, 0.217, 328.6, Hsa\*File, rrgb\*File, LabCk\*File, 378, 0.407, 0.0, 0.209, 476, 64.9, 25.4. The table contains a large amount of numerical data for color calibration.

Mean color difference of this page: delta

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

RE050-TN, Page 21/33-F

TUB-test chart RE05; hue code: H\*e=G75Be  
colors and differences, ΔE\*





http://130.149.60.45/~farbmetrik/RE05/RE05L0FA.TXT /.PS; 3D-linearization  
F: 3D-linearization RE05/RE05LE30FA.DAT in file (F), page 23/33

Table with 32 columns: n, HHC\*File, rpb\*File, icr\*File, hsa\*File, rpb\*File, LabCH\*File, cmyk\*sep, cmyk\*sep, rpb\*File, hsa\*File, LabCH\*File, delta. Rows 243-323.

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

TUB-test chart RE05; hue code: H\*e=G75Be  
colors and differences, ΔE\*





http://130.149.60.45/~farbmetrik/RE05/RE05L0FA.TXT /.PS; 3D-linearization  
F: 3D-linearization RE05/RE05LE30FA.DAT in file (F), page 25/33

Table with columns: n, HHC\*File, rgb\*File, icr\*File, hsa\*File, rgb\*File, LabCM\*File, cmyk\*sep, cmyk\*File, hsa\*File, rgb\*File, LabCM\*File, delta. Rows list various color patches and their corresponding values in different color spaces.

Mean color difference of this page:  
input: rgb/cmyk -> rgbd  
output: 3D-linearization to cmyk\*de

Table with 18 columns: n, HHC\*File, rpb\_Role, icr\_File, Hsa\_Fate, rpb\*File, LabCM\*File, cmyk\*sep\_Role, cmyp\*sep\_Role, LabCM\*File, Hsa\_Fate, rpb\*File, LabCM\*File, delta. The table contains registration data for various color channels and separations.

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

Table with 15 columns: n, HHC\*, RGB\*, CMYK\*, Lab\*, L\*a\*b\*, L\*u\*v\*, H\*s\*B\*, rgb\*, cmyn\*, Lab\*, L\*a\*b\*, L\*u\*v\*, delta. It contains color calibration data for various color bars.

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

TUB-test chart RE05; hue code: H\*\_e=G75Be colors and differences, ΔE\*<sup>ab</sup>

Table with 10 columns: n, HHC\*File, rpb\_Ete, icr\_Ete, Hsa\_Eate, rpb\*File, LabCM\*File, cmyk\*\_sep, Ete, Hsa\*File, rpb\*File, LabCM\*File, delta. It contains registration and color calibration data for various color patches.

http://130.149.60.45/~farbmetrik/RE05/RE05L0FA.TXT /.PS; 3D-linearization F: 3D-linearization RE05/RE05LE30FA.DAT in file (F), page 28/33

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

TUB-test chart RE05; hue code: H\*\_e=G75Be colors and differences, ΔE\*<sup>\*</sup>

http://130.149.60.45/~farbmetrik/RE05/RE05L0FA.TXT /.PS; 3D-linearization F: 3D-linearization RE05/RE05LE30FA.DAT in file (F), page 29/33

Table with 15 columns: n, H#C\*File, rpb\*File, icr\*File, hsa\*File, rpb\*File, LabC\*File, cmyk\*sep, rpb\*File, hsa\*File, LabC\*File, delta. Rows include color names like NV\_1000e, G50B\_100.025e, etc.

Mean color difference of this page:

input: rgb/cmyk -> rgbdelta output: 3D-linearization to cmyk\*de

RE050-7N, Page 29/33-F

TUB-test chart RE05; hue code: H\*\_e=G75Be colors and differences, ΔE\*<sub>ab</sub>

TUB registration: 20150701-RE05/RE05L0FA.TXT /.PS  
application for measurement of offset print output, separation cmyk6\* (CMYK)

TUB material: code=rha4ta



Table with 27 columns: n, H#C\*File, H#M\*File, H#B\*File, LabC\*File, LabM\*File, LabB\*File, H#s\*File, H#m\*File, H#b\*File, cmyn\*sep, cmym\*sep, cmyb\*sep, H#s\*File, H#m\*File, H#b\*File, LabC\*File, LabM\*File, LabB\*File, H#s\*File, H#m\*File, H#b\*File, cmyn\*sep, cmym\*sep, cmyb\*sep, LabC\*File, LabM\*File, LabB\*File. Rows contain numerical data for various color patches.

Mean color difference of this page:

delta

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



<http://130.149.60.45/~farbmetrik/RE05/RE05L0FA.TXT> /.PS; 3D-linearization  
F: 3D-linearization RE05/RE05LE30FA.DAT in file (F), page 32/33

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

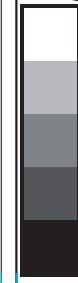
n	HC*File	rgb*File	iet*File	hsa*File	rgb*File	LabCM*File	cmyk*sep*File	delta	hsa*File	rgb*File	LabCM*File	LabCM*File
972	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4
973	NW_012de	0.125	0.125	0.125	0.125	17.7	0.037	0.041	360	1.0	1.0	95.4
974	NW_025de	0.25	0.25	0.25	0.25	37.1	0.031	0.021	360	1.0	1.0	95.4
975	NW_037de	0.375	0.375	0.375	0.375	46.8	0.034	0.018	360	1.0	1.0	95.4
976	NW_050de	0.5	0.5	0.5	0.5	56.5	0.026	0.01	360	1.0	1.0	95.4
977	NW_062de	0.625	0.625	0.625	0.625	66.3	0.022	0.001	360	1.0	1.0	95.4
978	NW_075de	0.75	0.75	0.75	0.75	76.0	0.018	0.006	360	1.0	1.0	95.4
979	NW_087de	0.875	0.875	0.875	0.875	85.7	0.009	0.002	360	1.0	1.0	95.4
980	NW_100de	1.0	1.0	1.0	1.0	95.4	0.023	0.007	360	1.0	1.0	95.4
981	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4
982	NW_012de	0.125	0.125	0.125	0.125	17.7	0.037	0.041	360	1.0	1.0	95.4
983	NW_025de	0.25	0.25	0.25	0.25	37.1	0.031	0.021	360	1.0	1.0	95.4
984	NW_037de	0.375	0.375	0.375	0.375	46.8	0.034	0.018	360	1.0	1.0	95.4
985	NW_050de	0.5	0.5	0.5	0.5	56.5	0.026	0.01	360	1.0	1.0	95.4
986	NW_062de	0.625	0.625	0.625	0.625	66.3	0.022	0.001	360	1.0	1.0	95.4
987	NW_075de	0.75	0.75	0.75	0.75	76.0	0.018	0.009	360	1.0	1.0	95.4
988	NW_087de	0.875	0.875	0.875	0.875	85.7	0.009	0.002	360	1.0	1.0	95.4
989	NW_100de	1.0	1.0	1.0	1.0	95.4	0.023	0.007	360	1.0	1.0	95.4
990	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4
991	NW_012de	0.125	0.125	0.125	0.125	17.7	0.037	0.041	360	1.0	1.0	95.4
992	NW_025de	0.25	0.25	0.25	0.25	37.1	0.031	0.021	360	1.0	1.0	95.4
993	NW_037de	0.375	0.375	0.375	0.375	46.8	0.034	0.018	360	1.0	1.0	95.4
994	NW_050de	0.5	0.5	0.5	0.5	56.5	0.026	0.01	360	1.0	1.0	95.4
995	NW_062de	0.625	0.625	0.625	0.625	66.3	0.022	0.001	360	1.0	1.0	95.4
996	NW_075de	0.75	0.75	0.75	0.75	76.0	0.018	0.009	360	1.0	1.0	95.4
997	NW_087de	0.875	0.875	0.875	0.875	85.7	0.009	0.002	360	1.0	1.0	95.4
998	NW_100de	1.0	1.0	1.0	1.0	95.4	0.023	0.007	360	1.0	1.0	95.4
999	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4
1000	NW_012de	0.125	0.125	0.125	0.125	17.7	0.037	0.041	360	1.0	1.0	95.4
1001	NW_025de	0.25	0.25	0.25	0.25	37.1	0.031	0.021	360	1.0	1.0	95.4
1002	NW_037de	0.375	0.375	0.375	0.375	46.8	0.034	0.018	360	1.0	1.0	95.4
1003	NW_050de	0.5	0.5	0.5	0.5	56.5	0.026	0.01	360	1.0	1.0	95.4
1004	NW_062de	0.625	0.625	0.625	0.625	66.3	0.022	0.001	360	1.0	1.0	95.4
1005	NW_075de	0.75	0.75	0.75	0.75	76.0	0.018	0.009	360	1.0	1.0	95.4
1006	NW_087de	0.875	0.875	0.875	0.875	85.7	0.009	0.002	360	1.0	1.0	95.4
1007	NW_100de	1.0	1.0	1.0	1.0	95.4	0.023	0.007	360	1.0	1.0	95.4
1008	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4
1009	NW_012de	0.125	0.125	0.125	0.125	17.7	0.037	0.041	360	1.0	1.0	95.4
1010	NW_025de	0.25	0.25	0.25	0.25	37.1	0.031	0.021	360	1.0	1.0	95.4
1011	NW_037de	0.375	0.375	0.375	0.375	46.8	0.034	0.018	360	1.0	1.0	95.4
1012	NW_050de	0.5	0.5	0.5	0.5	56.5	0.026	0.01	360	1.0	1.0	95.4
1013	NW_062de	0.625	0.625	0.625	0.625	66.3	0.022	0.001	360	1.0	1.0	95.4
1014	NW_075de	0.75	0.75	0.75	0.75	76.0	0.018	0.009	360	1.0	1.0	95.4
1015	NW_087de	0.875	0.875	0.875	0.875	85.7	0.009	0.002	360	1.0	1.0	95.4
1016	NW_100de	1.0	1.0	1.0	1.0	95.4	0.023	0.007	360	1.0	1.0	95.4
1017	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4
1018	NW_012de	0.125	0.125	0.125	0.125	17.7	0.037	0.041	360	1.0	1.0	95.4
1019	NW_025de	0.25	0.25	0.25	0.25	37.1	0.031	0.021	360	1.0	1.0	95.4
1020	NW_037de	0.375	0.375	0.375	0.375	46.8	0.034	0.018	360	1.0	1.0	95.4
1021	NW_050de	0.5	0.5	0.5	0.5	56.5	0.026	0.01	360	1.0	1.0	95.4
1022	NW_062de	0.625	0.625	0.625	0.625	66.3	0.022	0.001	360	1.0	1.0	95.4
1023	NW_075de	0.75	0.75	0.75	0.75	76.0	0.018	0.009	360	1.0	1.0	95.4
1024	NW_087de	0.875	0.875	0.875	0.875	85.7	0.009	0.002	360	1.0	1.0	95.4
1025	NW_100de	1.0	1.0	1.0	1.0	95.4	0.023	0.007	360	1.0	1.0	95.4
1026	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4
1027	NW_012de	0.125	0.125	0.125	0.125	17.7	0.037	0.041	360	1.0	1.0	95.4
1028	NW_025de	0.25	0.25	0.25	0.25	37.1	0.031	0.021	360	1.0	1.0	95.4
1029	NW_037de	0.375	0.375	0.375	0.375	46.8	0.034	0.018	360	1.0	1.0	95.4
1030	NW_050de	0.5	0.5	0.5	0.5	56.5	0.026	0.01	360	1.0	1.0	95.4
1031	NW_062de	0.625	0.625	0.625	0.625	66.3	0.022	0.001	360	1.0	1.0	95.4
1032	NW_075de	0.75	0.75	0.75	0.75	76.0	0.018	0.009	360	1.0	1.0	95.4
1033	NW_087de	0.875	0.875	0.875	0.875	85.7	0.009	0.002	360	1.0	1.0	95.4
1034	NW_100de	1.0	1.0	1.0	1.0	95.4	0.023	0.007	360	1.0	1.0	95.4
1035	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4
1036	NW_012de	0.125	0.125	0.125	0.125	17.7	0.037	0.041	360	1.0	1.0	95.4
1037	NW_025de	0.25	0.25	0.25	0.25	37.1	0.031	0.021	360	1.0	1.0	95.4
1038	NW_037de	0.375	0.375	0.375	0.375	46.8	0.034	0.018	360	1.0	1.0	95.4
1039	NW_050de	0.5	0.5	0.5	0.5	56.5	0.026	0.01	360	1.0	1.0	95.4
1040	NW_062de	0.625	0.625	0.625	0.625	66.3	0.022	0.001	360	1.0	1.0	95.4
1041	NW_075de	0.75	0.75	0.75	0.75	76.0	0.018	0.009	360	1.0	1.0	95.4
1042	NW_087de	0.875	0.875	0.875	0.875	85.7	0.009	0.002	360	1.0	1.0	95.4
1043	NW_100de	1.0	1.0	1.0	1.0	95.4	0.023	0.007	360	1.0	1.0	95.4
1044	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4
1045	NW_012de	0.125	0.125	0.125	0.125	17.7	0.037	0.041	360	1.0	1.0	95.4
1046	NW_025de	0.25	0.25	0.25	0.25	37.1	0.031	0.021	360	1.0	1.0	95.4
1047	NW_037de	0.375	0.375	0.375	0.375	46.8	0.034	0.018	360	1.0	1.0	95.4
1048	NW_050de	0.5	0.5	0.5	0.5	56.5	0.026	0.01	360	1.0	1.0	95.4
1049	NW_062de	0.625	0.625	0.625	0.625	66.3	0.022	0.001	360	1.0	1.0	95.4
1050	NW_075de	0.75	0.75	0.75	0.75	76.0	0.018	0.009	360	1.0	1.0	95.4
1051	NW_087de	0.875	0.875	0.875	0.875	85.7	0.009	0.002	360	1.0	1.0	95.4
1052	NW_100de	1.0	1.0	1.0	1.0	95.4	0.023	0.007	360	1.0	1.0	95.4

Mean color difference of this page: delta

RE050-TN, Page 32/33-F

TUB-test chart RE05; hue code: H\*<sub>e</sub>=G75B<sub>e</sub>  
colors and differences, ΔE\*<sub>a</sub>\*





http://130.149.60.45/~farbmetrik/RE05/RE05L0FA.TXT /.PS; 3D-linearization  
 F: 3D-linearization RE05/RE05LE30FA.DAT in file (F), page 33/33

n	HC*File	rgb*File	icT*File	hsa*File	rgb*File	LabC*File	cmym*sep*File	delta	cmym*sep*File	rgb*File	LabC*File	hsa*File	rgb*File	LabC*File	cmym*sep*File	delta
1053	NW_086de	0.866	0.866	0.866	0.866	85.0	0.007	0.179	0.007	1.0	95.4	360	1.0	95.4	0.007	0.0
1054	NW_093de	0.933	0.933	0.933	0.933	90.2	0.005	0.084	0.005	1.0	95.4	360	1.0	95.4	0.005	0.0
1055	NW_100de	1.0	1.0	1.0	1.0	17.7	0.0	1.0	0.0	1.0	95.4	360	1.0	95.4	0.0	0.0
1056	NW_006de	0.066	0.066	0.066	0.066	22.8	0.139	0.933	0.139	1.0	95.4	360	1.0	95.4	0.139	0.0
1057	NW_013de	0.133	0.133	0.133	0.133	28.0	0.043	0.871	0.043	1.0	95.4	360	1.0	95.4	0.043	0.0
1058	NW_020de	0.2	0.2	0.2	0.2	33.2	0.015	0.825	0.015	1.0	95.4	360	1.0	95.4	0.015	0.0
1059	NW_026de	0.266	0.266	0.266	0.266	38.3	0.013	0.781	0.013	1.0	95.4	360	1.0	95.4	0.013	0.0
1060	NW_033de	0.333	0.333	0.333	0.333	43.6	0.016	0.731	0.016	1.0	95.4	360	1.0	95.4	0.016	0.0
1061	NW_040de	0.4	0.4	0.4	0.4	48.8	0.019	0.628	0.019	1.0	95.4	360	1.0	95.4	0.019	0.0
1062	NW_046de	0.466	0.466	0.466	0.466	53.9	0.021	0.541	0.021	1.0	95.4	360	1.0	95.4	0.021	0.0
1063	NW_053de	0.533	0.533	0.533	0.533	59.1	0.006	0.478	0.006	1.0	95.4	360	1.0	95.4	0.006	0.0
1064	NW_059de	0.566	0.566	0.566	0.566	64.3	0.005	0.405	0.005	1.0	95.4	360	1.0	95.4	0.005	0.0
1065	NW_066de	0.6	0.6	0.6	0.6	69.5	0.021	0.322	0.021	1.0	95.4	360	1.0	95.4	0.021	0.0
1066	NW_073de	0.734	0.734	0.734	0.734	74.7	0.007	0.26	0.007	1.0	95.4	360	1.0	95.4	0.007	0.0
1067	NW_080de	0.8	0.8	0.8	0.8	79.9	0.007	0.179	0.007	1.0	95.4	360	1.0	95.4	0.007	0.0
1068	NW_086de	0.866	0.866	0.866	0.866	85.0	0.005	0.084	0.005	1.0	95.4	360	1.0	95.4	0.005	0.0
1069	NW_093de	0.933	0.933	0.933	0.933	90.2	0.002	0.024	0.002	1.0	95.4	360	1.0	95.4	0.002	0.0
1070	NW_100de	1.0	1.0	1.0	1.0	17.7	0.0	1.0	0.0	1.0	95.4	360	1.0	95.4	0.0	0.0
1071	NW_006de	0.066	0.066	0.066	0.066	22.8	0.139	0.933	0.139	1.0	95.4	360	1.0	95.4	0.139	0.0
1072	NW_013de	0.133	0.133	0.133	0.133	28.0	0.043	0.871	0.043	1.0	95.4	360	1.0	95.4	0.043	0.0
1073	NW_020de	0.2	0.2	0.2	0.2	33.2	0.015	0.825	0.015	1.0	95.4	360	1.0	95.4	0.015	0.0
1074	NW_026de	0.266	0.266	0.266	0.266	38.3	0.013	0.781	0.013	1.0	95.4	360	1.0	95.4	0.013	0.0
1075	NW_033de	0.333	0.333	0.333	0.333	43.6	0.016	0.731	0.016	1.0	95.4	360	1.0	95.4	0.016	0.0
1076	NW_040de	0.4	0.4	0.4	0.4	48.8	0.019	0.628	0.019	1.0	95.4	360	1.0	95.4	0.019	0.0
1077	NW_046de	0.466	0.466	0.466	0.466	53.9	0.021	0.541	0.021	1.0	95.4	360	1.0	95.4	0.021	0.0
1078	NW_053de	0.533	0.533	0.533	0.533	59.1	0.006	0.478	0.006	1.0	95.4	360	1.0	95.4	0.006	0.0
1079	NW_059de	0.566	0.566	0.566	0.566	64.3	0.005	0.405	0.005	1.0	95.4	360	1.0	95.4	0.005	0.0
1080	NW_066de	0.6	0.6	0.6	0.6	69.5	0.021	0.322	0.021	1.0	95.4	360	1.0	95.4	0.021	0.0
1081	NW_073de	0.734	0.734	0.734	0.734	74.7	0.007	0.26	0.007	1.0	95.4	360	1.0	95.4	0.007	0.0
1082	NW_080de	0.8	0.8	0.8	0.8	79.9	0.007	0.179	0.007	1.0	95.4	360	1.0	95.4	0.007	0.0
1083	NW_086de	0.866	0.866	0.866	0.866	85.0	0.005	0.084	0.005	1.0	95.4	360	1.0	95.4	0.005	0.0
1084	NW_093de	0.933	0.933	0.933	0.933	90.2	0.002	0.024	0.002	1.0	95.4	360	1.0	95.4	0.002	0.0
1085	NW_100de	1.0	1.0	1.0	1.0	17.7	0.0	1.0	0.0	1.0	95.4	360	1.0	95.4	0.0	0.0
1086	NW_006de	0.066	0.066	0.066	0.066	22.8	0.139	0.933	0.139	1.0	95.4	360	1.0	95.4	0.139	0.0
1087	NW_013de	0.133	0.133	0.133	0.133	28.0	0.043	0.871	0.043	1.0	95.4	360	1.0	95.4	0.043	0.0
1088	NW_020de	0.2	0.2	0.2	0.2	33.2	0.015	0.825	0.015	1.0	95.4	360	1.0	95.4	0.015	0.0
1089	NW_026de	0.266	0.266	0.266	0.266	38.3	0.013	0.781	0.013	1.0	95.4	360	1.0	95.4	0.013	0.0
1090	NW_033de	0.333	0.333	0.333	0.333	43.6	0.016	0.731	0.016	1.0	95.4	360	1.0	95.4	0.016	0.0
1091	NW_040de	0.4	0.4	0.4	0.4	48.8	0.019	0.628	0.019	1.0	95.4	360	1.0	95.4	0.019	0.0
1092	NW_046de	0.466	0.466	0.466	0.466	53.9	0.021	0.541	0.021	1.0	95.4	360	1.0	95.4	0.021	0.0
1093	NW_053de	0.533	0.533	0.533	0.533	59.1	0.006	0.478	0.006	1.0	95.4	360	1.0	95.4	0.006	0.0
1094	NW_059de	0.566	0.566	0.566	0.566	64.3	0.005	0.405	0.005	1.0	95.4	360	1.0	95.4	0.005	0.0
1095	NW_066de	0.6	0.6	0.6	0.6	69.5	0.021	0.322	0.021	1.0	95.4	360	1.0	95.4	0.021	0.0
1096	NW_073de	0.734	0.734	0.734	0.734	74.7	0.007	0.26	0.007	1.0	95.4	360	1.0	95.4	0.007	0.0
1097	NW_080de	0.8	0.8	0.8	0.8	79.9	0.007	0.179	0.007	1.0	95.4	360	1.0	95.4	0.007	0.0
1098	NW_086de	0.866	0.866	0.866	0.866	85.0	0.005	0.084	0.005	1.0	95.4	360	1.0	95.4	0.005	0.0
1099	NW_093de	0.933	0.933	0.933	0.933	90.2	0.002	0.024	0.002	1.0	95.4	360	1.0	95.4	0.002	0.0
1100	NW_100de	1.0	1.0	1.0	1.0	17.7	0.0	1.0	0.0	1.0	95.4	360	1.0	95.4	0.0	0.0
1101	NW_006de	0.066	0.066	0.066	0.066	22.8	0.139	0.933	0.139	1.0	95.4	360	1.0	95.4	0.139	0.0
1102	NW_013de	0.133	0.133	0.133	0.133	28.0	0.043	0.871	0.043	1.0	95.4	360	1.0	95.4	0.043	0.0
1103	NW_020de	0.2	0.2	0.2	0.2	33.2	0.015	0.825	0.015	1.0	95.4	360	1.0	95.4	0.015	0.0
1104	NW_026de	0.266	0.266	0.266	0.266	38.3	0.013	0.781	0.013	1.0	95.4	360	1.0	95.4	0.013	0.0
1105	NW_033de	0.333	0.333	0.333	0.333	43.6	0.016	0.731	0.016	1.0	95.4	360	1.0	95.4	0.016	0.0
1106	NW_040de	0.4	0.4	0.4	0.4	48.8	0.019	0.628	0.019	1.0	95.4	360	1.0	95.4	0.019	0.0
1107	NW_046de	0.466	0.466	0.466	0.466	53.9	0.021	0.541	0.021	1.0	95.4	360	1.0	95.4	0.021	0.0
1108	NW_053de	0.533	0.533	0.533	0.533	59.1	0.006	0.478	0.006	1.0	95.4	360	1.0	95.4	0.006	0.0
1109	NW_059de	0.566	0.566	0.566	0.566	64.3	0.005	0.405	0.005	1.0	95.4	360	1.0	95.4	0.005	0.0
1110	NW_066de	0.6	0.6	0.6	0.6	69.5	0.021	0.322	0.021	1.0	95.4	360	1.0	95.4	0.021	0.0
1111	NW_073de	0.734	0.734	0.734	0.734	74.7	0.007	0.26	0.007	1.0	95.4	360	1.0	95.4	0.007	0.0
1112	NW_080de	0.8	0.8	0.8	0.8	79.9	0.007	0.179	0.007	1.0	95.4	360	1.0	95.4	0.007	0.0
1113	NW_086de	0.866	0.866	0.866	0.866	85.0	0.005	0.084	0.005	1.0	95.4	360	1.0	95.4	0.005	0.0
1114	NW_093de	0.933	0.933	0.933	0.933	90.2	0.002	0.024	0.002	1.0	95.4	360	1.0	95.4	0.002	0.0
1115	NW_100de	1.0	1.0	1.0	1.0	17.7	0.0	1.0	0.0	1.0	95.4	360	1.0	95.4	0.0	0.0
1116	NW_006de	0.066	0.066	0.066	0.066	22.8	0.139	0.933	0.139	1.0	95.4	360	1.0	95.4	0.139	0.0
1117	NW_013de	0.133	0.133	0.133	0.133	28.0	0.043	0.871	0.043	1.0	95.4	360	1.0	95.4	0.043	0.0
1118	NW_020de	0.2	0.2	0.2	0.2	33.2	0.015	0.825	0.015	1.0	95.4	360	1.0	95.4	0.015	0.0
1119	NW_026de	0.266	0.266	0.266	0.266	38.3	0.013	0.781	0.013	1.0	95.4	360	1.0	95.4	0.013	0.0
1120	NW_033de	0.333	0.333	0.333	0.333	43.6	0.016	0.731	0.016	1.0	95.4	360	1.0	95.4	0.016	0.0
1121	NW_040de	0.4	0.4	0.4	0.4	48.8	0.019	0.628	0.019	1.0	95.4	360	1.0	95.4	0.019	0.0
1122	NW_046de	0.466	0.466	0.466	0.466	53.9	0.021	0.541	0.021	1.0	95.4	360	1.0	95.4	0.021	0.0
1123	NW_053de	0.533	0.533	0.533	0.533	59.1	0.006	0.478	0.006	1.0	95.4	360	1.0	95.4	0.006	0.0
1124	NW_059de	0.566	0.566	0.566	0.566	64.3	0.005	0.405	0.005	1.0	95.4	360	1.0	95.4	0.005	0.0
1125	NW_066de	0.6	0.6	0.6	0.6	69.5	0.021	0.322	0.021	1.0	95.4	360	1.0	95.4	0.021	0.0
1126	NW_073de	0.734	0.734	0.734	0.734	74.7	0.007	0.26	0.007	1.						