

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 68/360 = 0.19$

$H^*_- = R50Y_-$

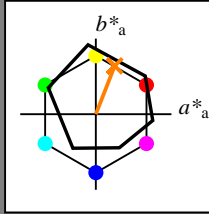
Data for any device (d) or elementary (e) colour:

HIC^*_-

hue text for the colours of this page:

$H^*_- = R50Y_-$

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):

$LabCh^*_{-,Ma}$: 68 25 63 68 68

$HIC^*_{-,Ma}$: R50Y_100_100_

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

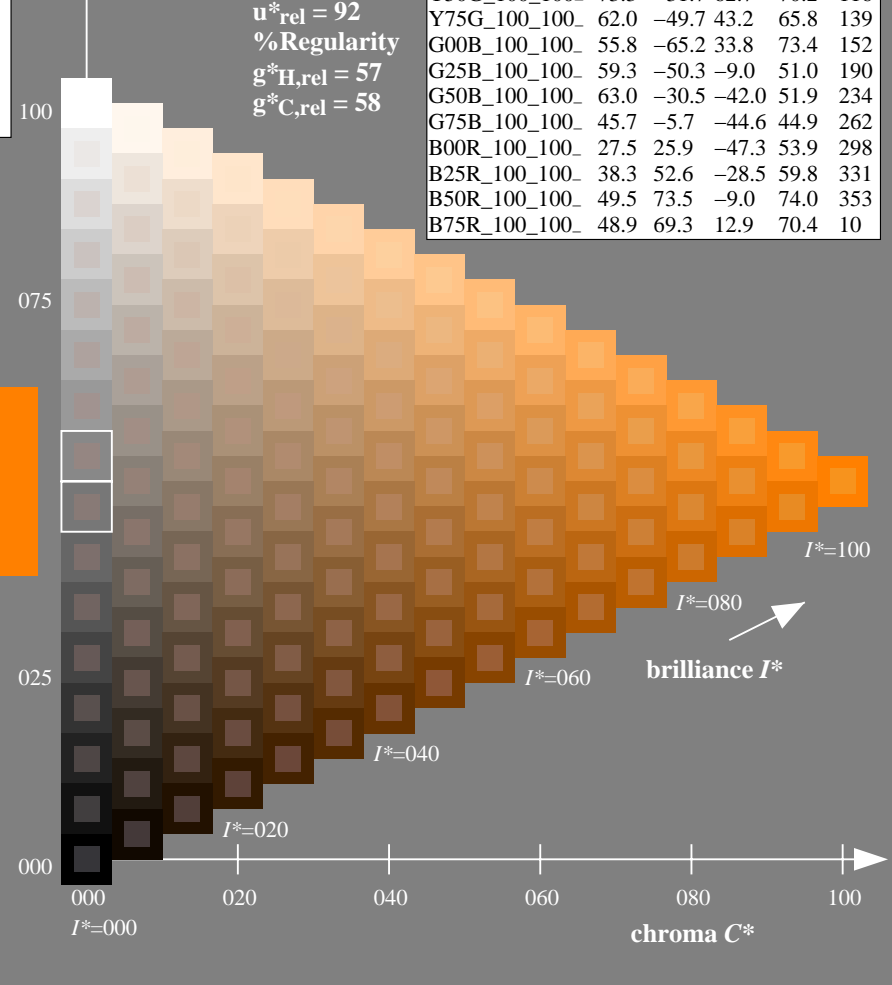
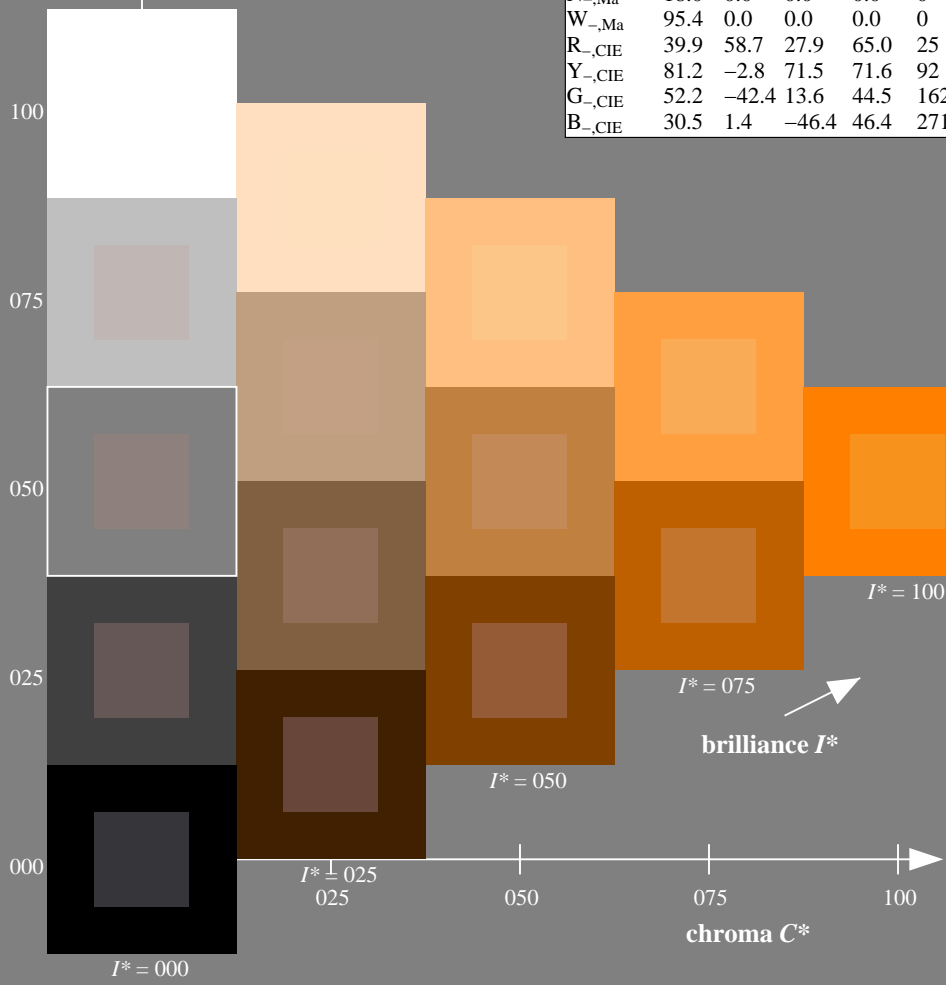
1.0 0.5 0.0 1.0 1.0

triangle lightness T^*

ORS20a; adapted (a) CIELAB data

H^*_-	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_	48.4	66.1	40.2	77.3	31
R25Y_100_100_	56.8	48.0	50.5	69.6	46
R50Y_100_100_	68.6	25.0	63.9	68.6	68
R75Y_100_100_	80.6	4.8	77.2	77.3	86
Y00G_100_100_	90.2	-9.6	88.2	88.7	96
Y25G_100_100_	83.2	-18.4	79.9	81.9	102
Y50G_100_100_	73.3	-31.7	62.7	70.2	116
Y75G_100_100_	62.0	-49.7	43.2	65.8	139
G00B_100_100_	55.8	-65.2	33.8	73.4	152
G25B_100_100_	59.3	-50.3	-9.0	51.0	190
G50B_100_100_	63.0	-30.5	-42.0	51.9	234
G75B_100_100_	45.7	-5.7	-44.6	44.9	262
B00R_100_100_	27.5	25.9	-47.3	53.9	298
B25R_100_100_	38.3	52.6	-28.5	59.8	331
B50R_100_100_	49.5	73.5	-9.0	74.0	353
B75R_100_100_	48.9	69.3	12.9	70.4	10

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



see similar files: <http://130.149.60.45/~farbmetrik/QE15/QE15.HTM>
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE15/QE15L0NA.TXT /PS
 application for measurement of offset print output

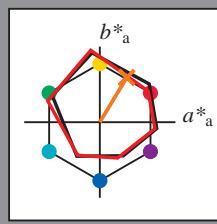
TUB material: code=rh4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 58/360 = 0.16$

$H^*_e = R50Y_e$

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

HIC^*_e
hue text for the colours of this page:
 $H^*_e = R50Y_e$
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):

$LabCh^*_{e, Ma}: 60 \ 35 \ 59 \ 68 \ 58$

$HIC^*_{e, Ma}: R50Y_100_100_e$

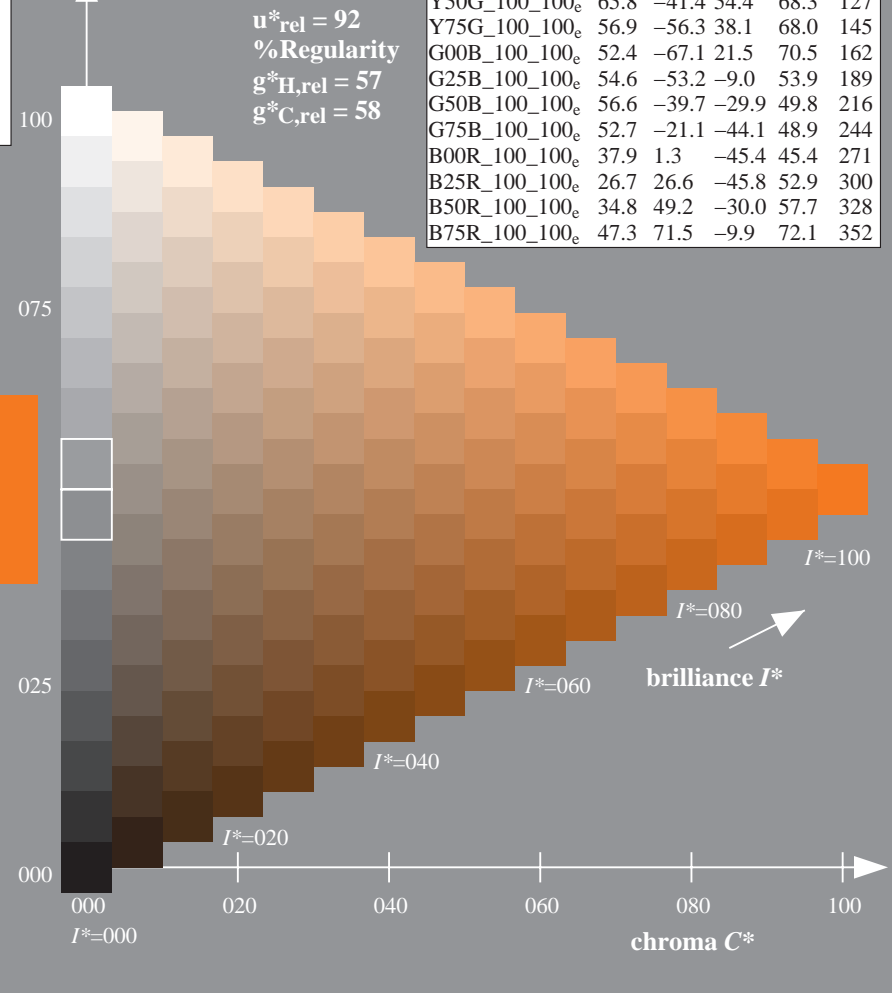
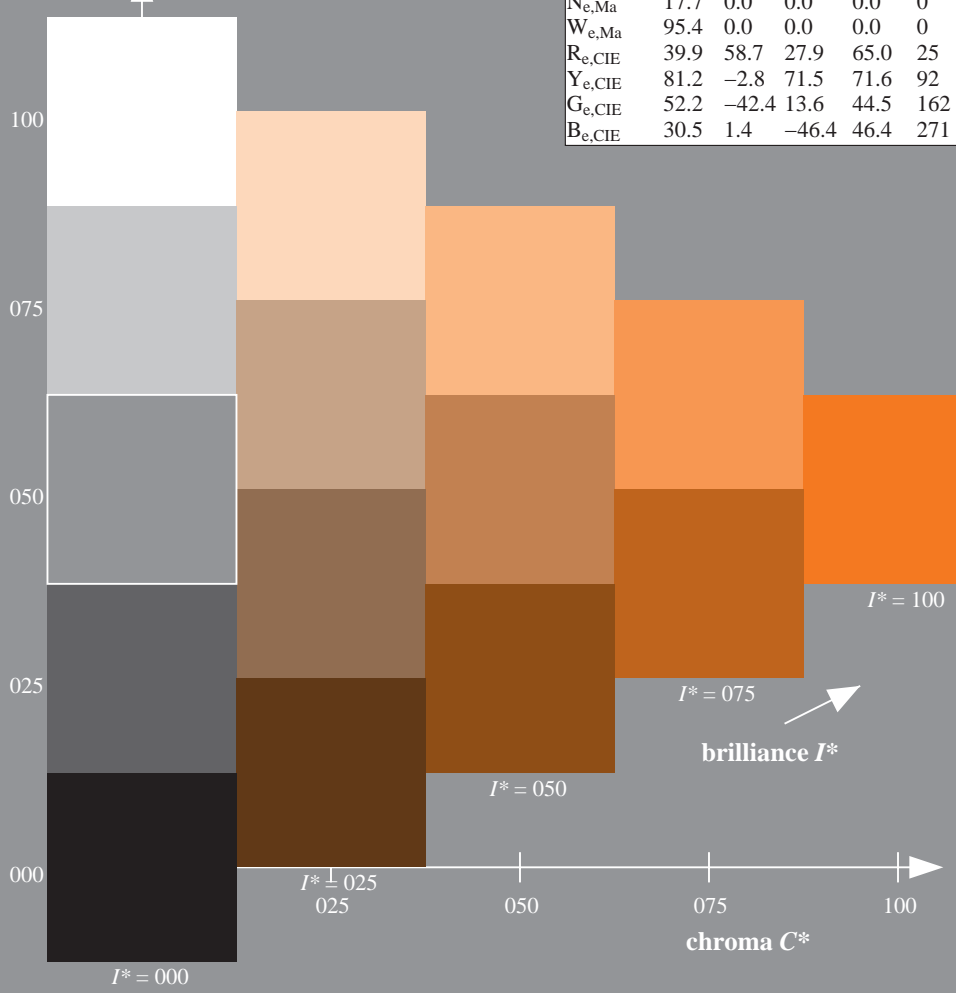
$rgbic^*_{e, Ma}: 1.0 \ 0.34 \ 0.0 \ 1.0 \ 1.0$

triangle lightness T^*

ORS20a; adapted (a) CIELAB data

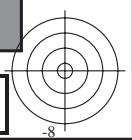
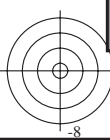
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	47.6	64.9	30.9	71.9	25
R25Y_100_100_e	51.5	54.2	47.2	71.9	41
R50Y_100_100_e	60.3	35.6	59.0	68.9	58
R75Y_100_100_e	70.4	17.0	72.2	74.1	76
Y00G_100_100_e	82.9	-3.5	87.8	87.9	92
Y25G_100_100_e	76.9	-25.5	75.9	80.1	108
Y50G_100_100_e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

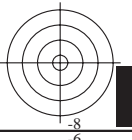
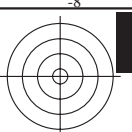
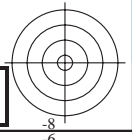
%Gamut
 $u^*_{rel} = 92$
%Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 58$



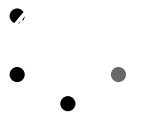
see similar files: http://130.149.60.45/~farbmetrik/QE15/QE15.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

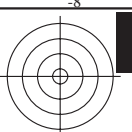
TUB registration: 20130201-QE15/QE15L0NA.TXT /PS
application for measurement of offset print output, separation cmykn6 (CMYK)
TUB material: code=rh4ta



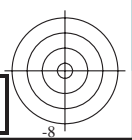
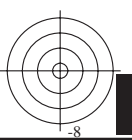
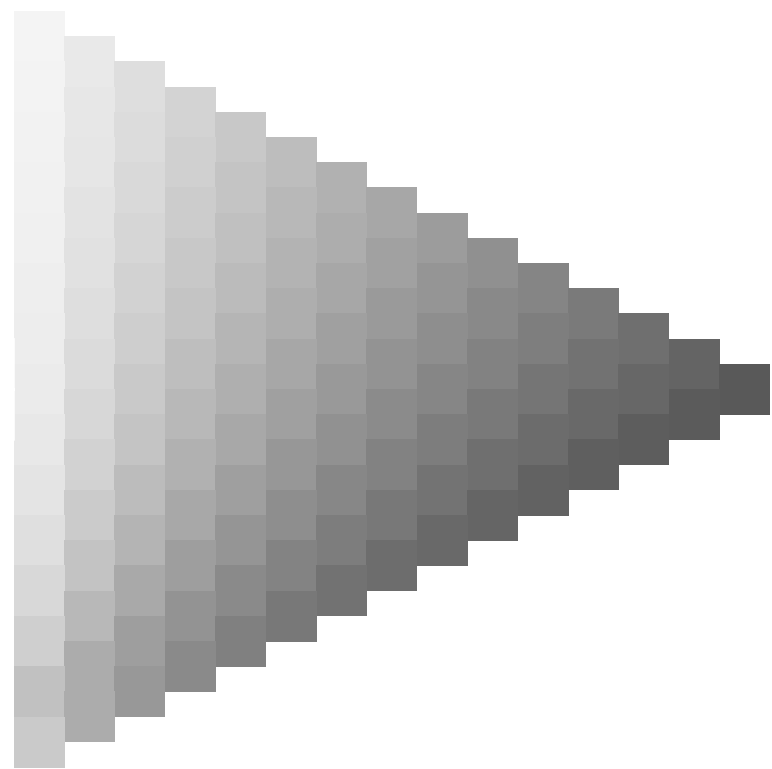
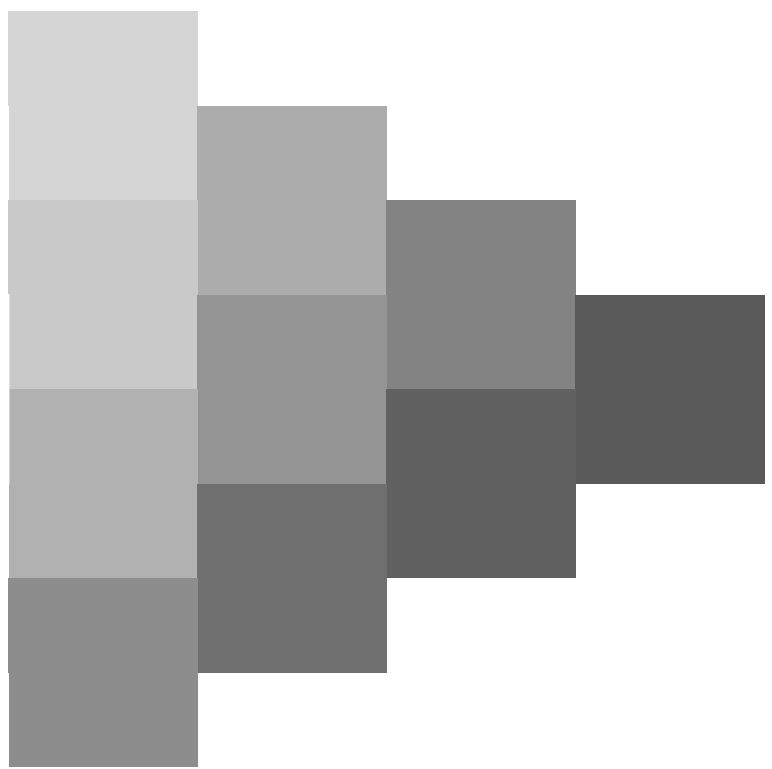
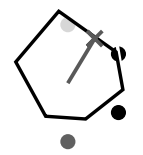


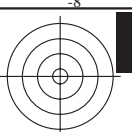
see similar files: <http://130.149.60.45/~farbmetrik/QE15/QE15.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



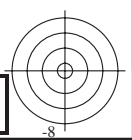
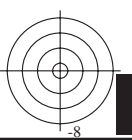
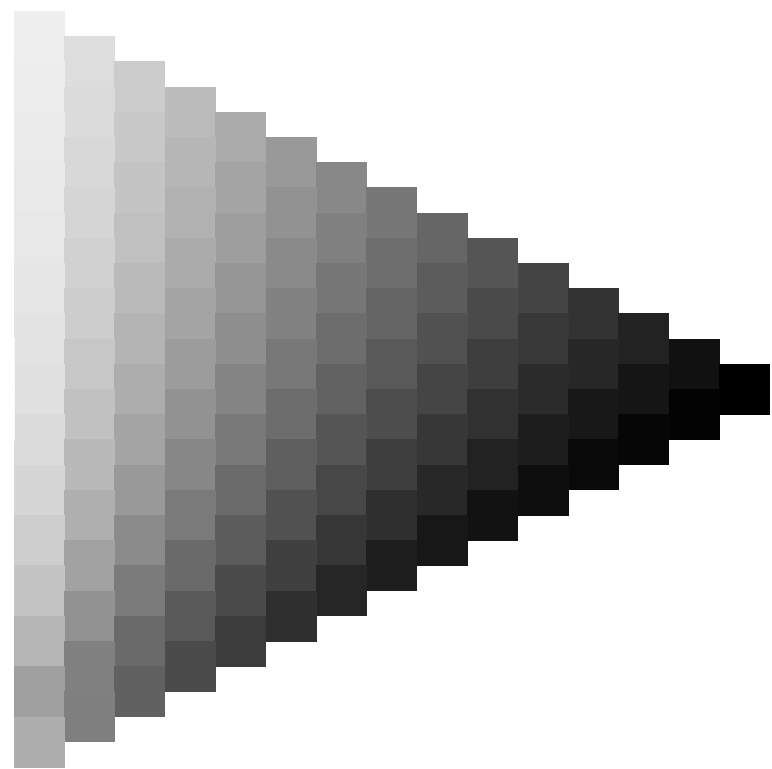
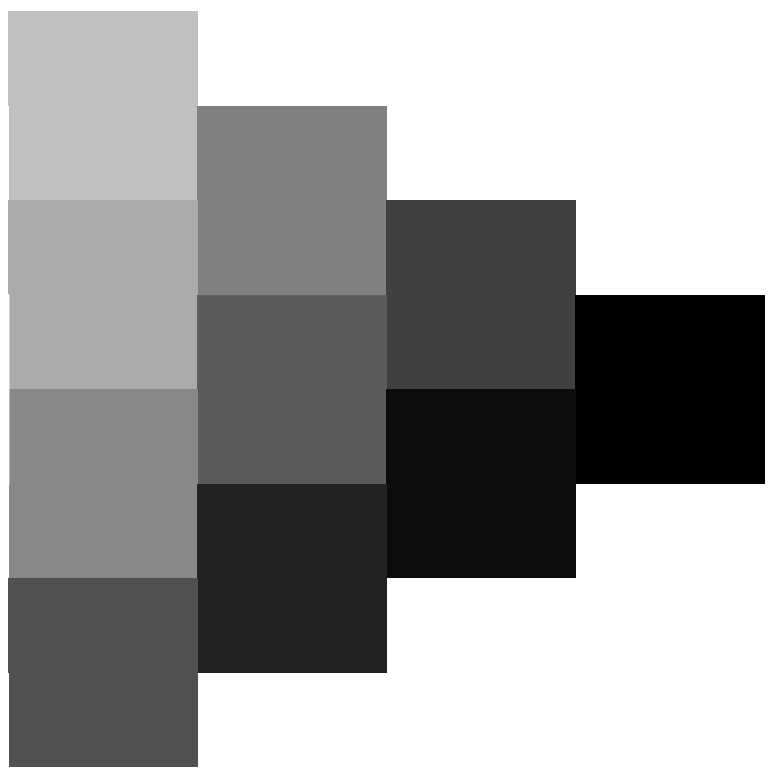
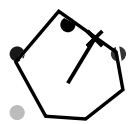


see similar files: <http://130.149.60.45/~farbmetrik/QE15/QE15.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>





see similar files: <http://130.149.60.45/~farbmetrik/QE15/QE15.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



1-013430-L0 QE150-71

TUB-test chart QE15; hue code: $H^*_e=R50Y_e$
Test chart according to DIN 33872, 3D=0, de=1, cmyk

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

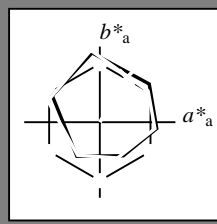
1-013430-F0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 58/360 = 0.16$

$H^*_e = R50Y_e$

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

HIC^*_e
hue text for the colours of this page:
 $H^*_e = R50Y_e$
triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e, Ma}$	47.6	64.9	30.9	71.9	25
$Y_{e, Ma}$	82.9	-3.5	87.8	87.9	92
$G_{e, Ma}$	52.4	-67.1	21.5	70.5	162
$C_{e, Ma}$	56.6	-39.7	-29.9	49.8	216
$B_{e, Ma}$	37.9	1.3	-45.4	45.4	271
$M_{e, Ma}$	34.8	49.2	-30.0	57.7	328
$N_{e, Ma}$	17.7	0.0	0.0	0.0	0
$W_{e, Ma}$	95.4	0.0	0.0	0.0	0
$R_{e, CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e, CIE}$	81.2	-2.8	71.5	71.6	92
$G_{e, CIE}$	52.2	-42.4	13.6	44.5	162
$B_{e, CIE}$	30.5	1.4	-46.4	46.4	271

Data for maximum colour (M_a):

$LabCh^*_{e, Ma}$: 60 35 59 68 58

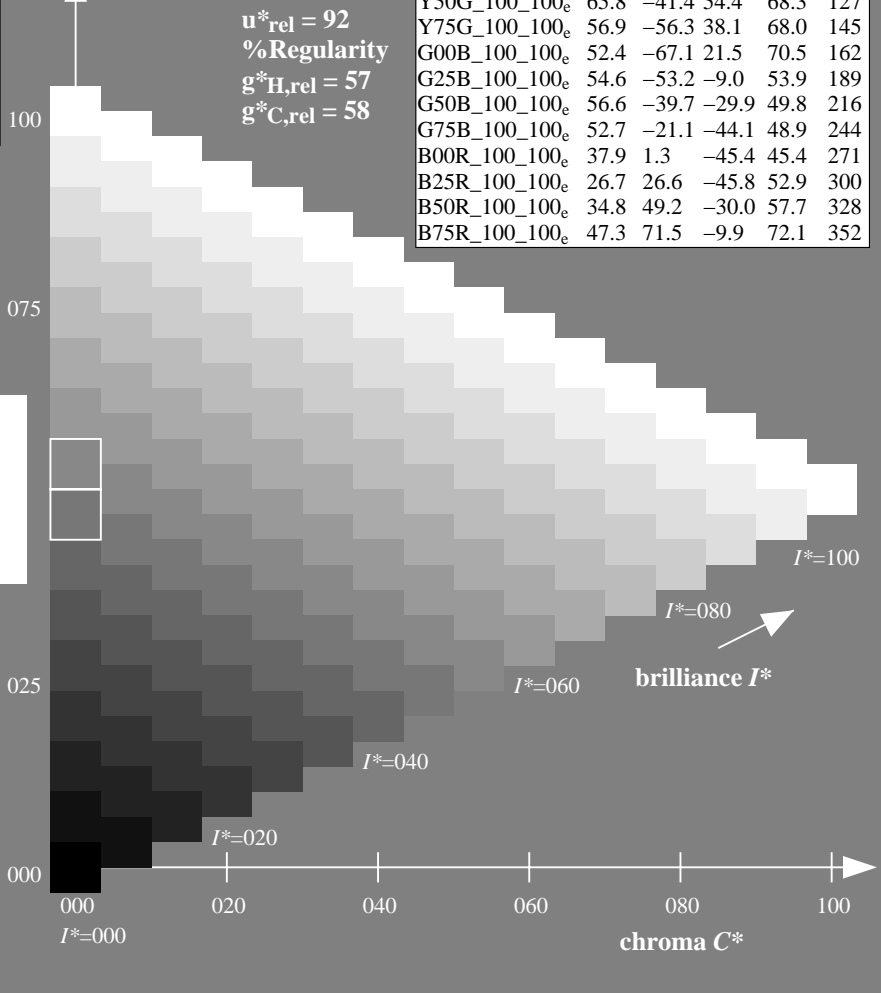
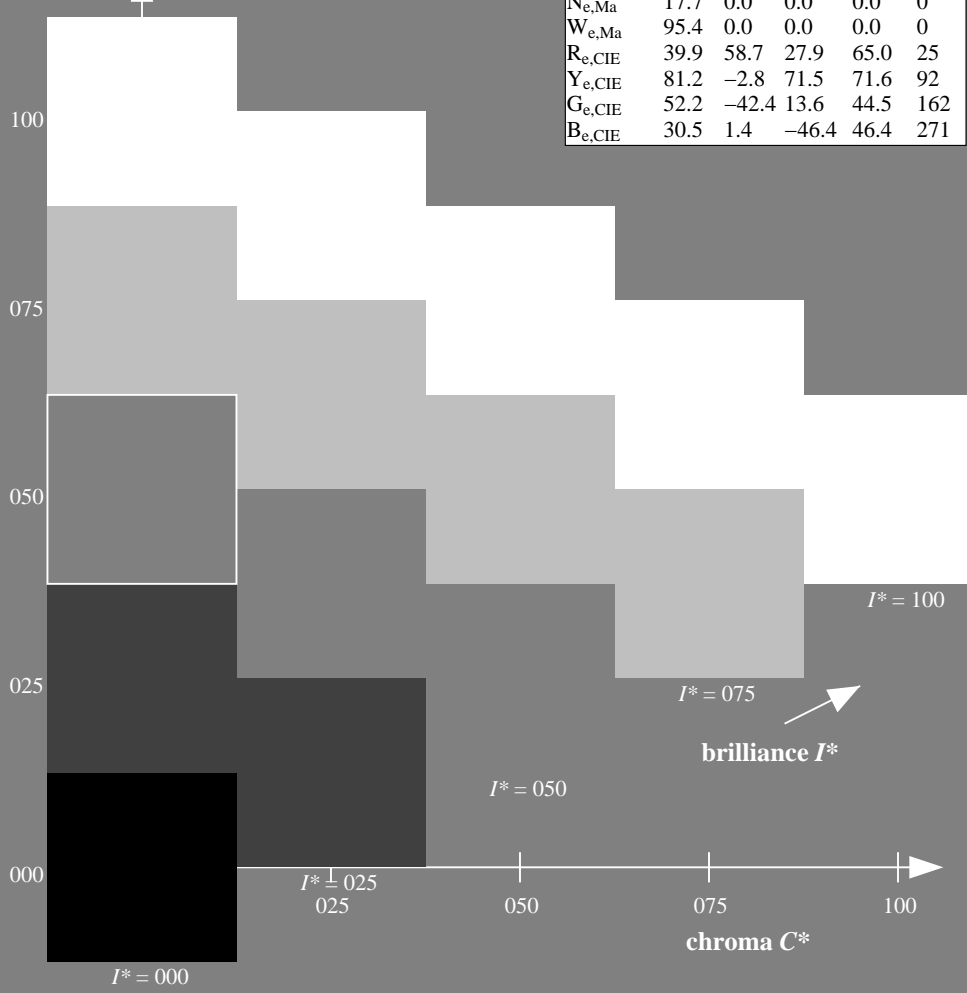
$HIC^*_{e, Ma}$: R50Y_100_100_e

$rgbic^*_{e, Ma}$: 1.0 0.34 0.0 1.0 1.0

triangle lightness T^*

ORS20a; adapted (a) CIELAB data

H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_{100_100_e}$	47.6	64.9	30.9	71.9	25
$R25Y_{100_100_e}$	51.5	54.2	47.2	71.9	41
$R50Y_{100_100_e}$	60.3	35.6	59.0	68.9	58
$R75Y_{100_100_e}$	70.4	17.0	72.2	74.1	76
$Y00G_{100_100_e}$	82.9	-3.5	87.8	87.9	92
$Y25G_{100_100_e}$	76.9	-25.5	75.9	80.1	108
$Y50G_{100_100_e}$	65.8	-41.4	54.4	68.3	127
$Y75G_{100_100_e}$	56.9	-56.3	38.1	68.0	145
$G00B_{100_100_e}$	52.4	-67.1	21.5	70.5	162
$G25B_{100_100_e}$	54.6	-53.2	-9.0	53.9	189
$G50B_{100_100_e}$	56.6	-39.7	-29.9	49.8	216
$G75B_{100_100_e}$	52.7	-21.1	-44.1	48.9	244
$B00R_{100_100_e}$	37.9	1.3	-45.4	45.4	271
$B25R_{100_100_e}$	26.7	26.6	-45.8	52.9	300
$B50R_{100_100_e}$	34.8	49.2	-30.0	57.7	328
$B75R_{100_100_e}$	47.3	71.5	-9.9	72.1	352



see similar files: http://130.149.60.45/~farbmetrik/QE15/QE15.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE15/QE15L0NA.TXT /PS
application for measurement of offset print output, separation cmykn6 (CMYK)
TUB material: code=rh4ta

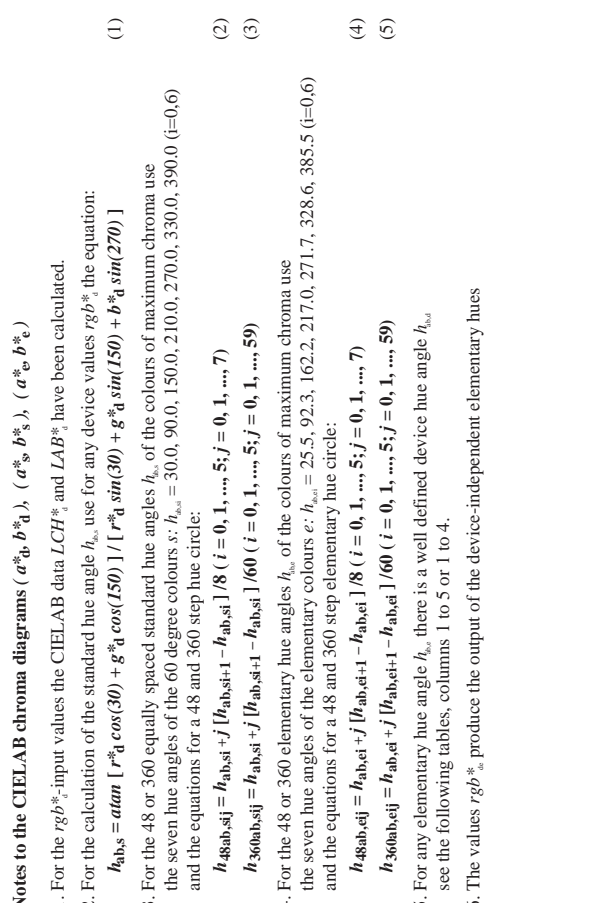
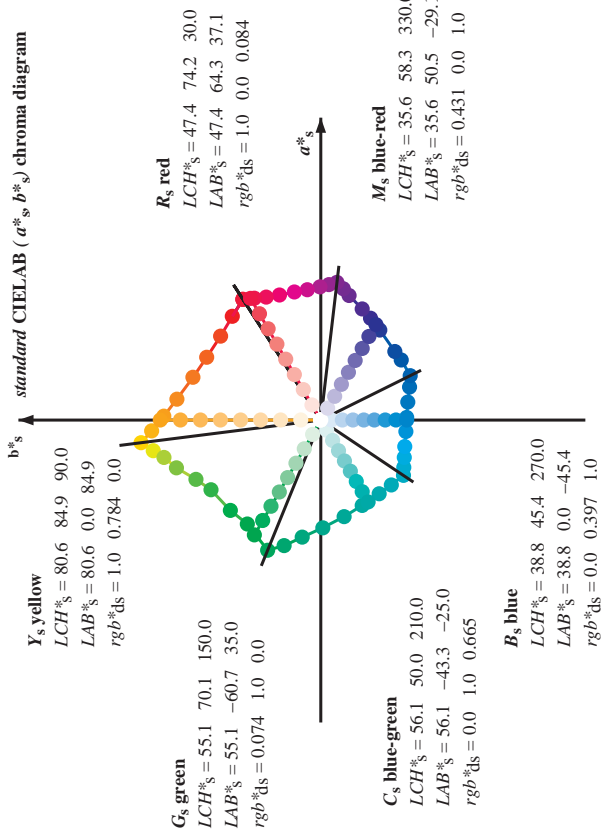
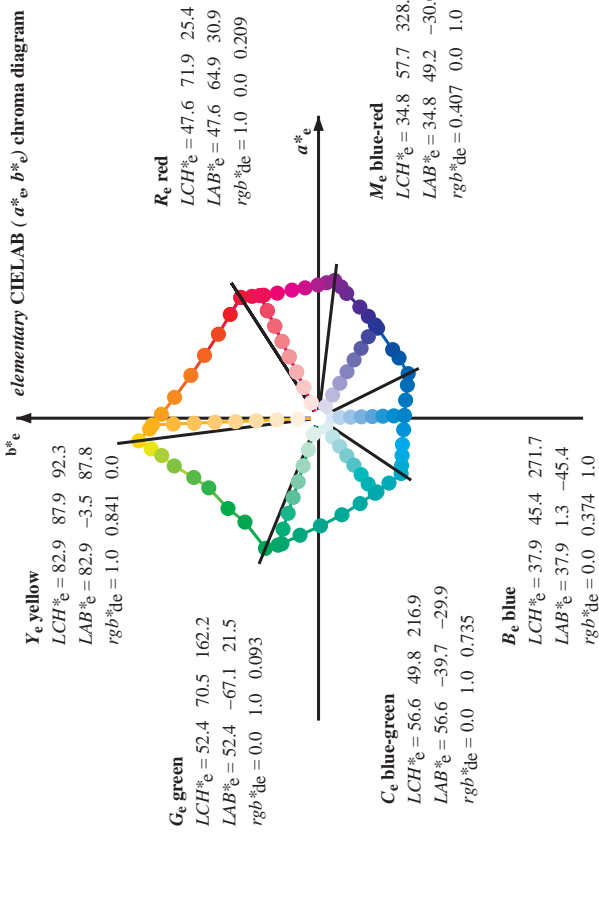
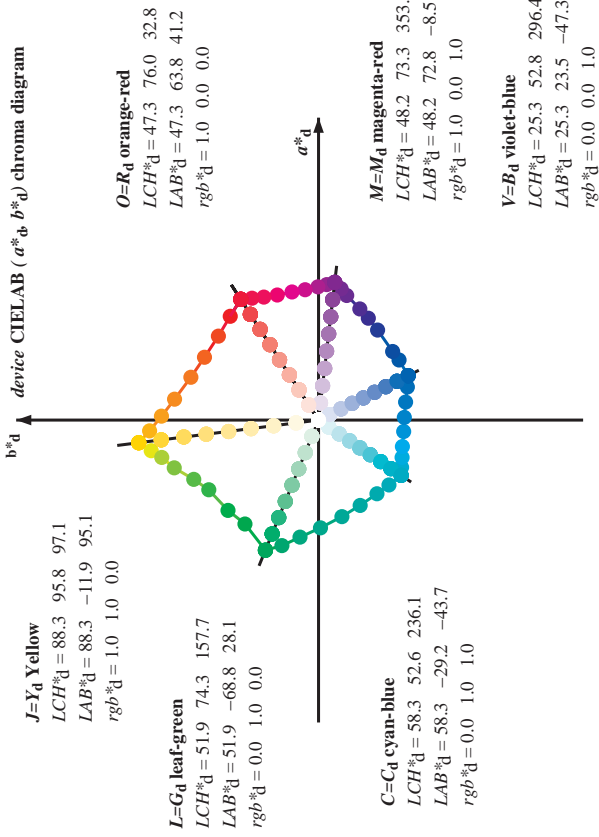
1-013530-L0 QE150-71

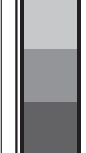
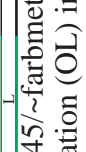
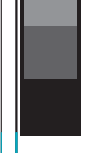
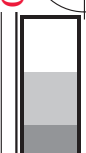
TUB-test chart QE15; hue code: $H^*_e=R50Y_e$
Test chart according to DIN 33872, 3D=0, de=1, cmyk

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

1-013530-F0

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



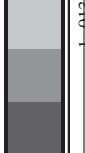
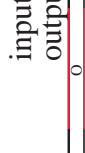
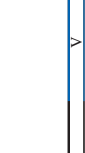
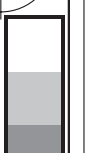


TUB registration: 20130201-QE15/QE15L0NA.TXT /.PS TUB material: code=rha4ta
 application for measurement of offset print output, separation cmyk6 (CMYK)

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*	rgb^*_{ds}	rgb^*_{de}	LAB^*_{d64M}	LAB^*_{d64M}	LAB^*_{d64M}	LAB^*_{d64M}	LAB^*_{d64M}	LAB^*_{d64M}
32.8	30.0	25.5	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	32.8
40.4	37.5	33.8	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4	40.4
50.0	45.0	42.1	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0	50.0
61.1	52.5	50.5	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1	61.1
71.4	60.0	58.8	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	71.4
81.7	67.5	67.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7	81.7
88.5	75.0	75.6	1.0	0.75	0.0	89.2	2.0	83.0	83.1	88.5	88.5
93.6	82.5	83.9	1.0	0.875	0.0	84.2	-5.7	89.4	89.6	93.6	93.6
97.1	90.0	92.3	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97.1	97.1
100.3	97.5	101.0	1.0	0.875	1.0	85.8	-16.2	88.6	90.0	100.3	100.3
103.3	105.0	109.7	1.0	0.75	1.0	82.9	-19.7	83.0	85.3	103.3	103.3
108.3	112.5	118.5	1.0	0.625	1.0	77.0	-25.2	76.3	80.4	108.3	108.3
115.3	120.0	127.2	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115.3	115.3
122.4	127.5	136.0	0.375	1.0	0.0	68.9	-36.9	58.1	68.8	122.4	122.4
134.9	135.0	144.7	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134.9	134.9
144.6	142.5	153.4	0.125	1.0	0.0	57.4	-54.9	38.9	67.3	144.6	144.6
157.7	150.0	162.2	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157.7	157.7
163.7	157.5	169.0	0.0	1.0	0.125	52.5	-66.4	19.3	69.1	163.7	163.7
170.9	165.0	175.9	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170.9	170.9
181.0	172.5	182.7	0.0	1.0	0.375	54.1	-56.9	-1.0	56.9	181.0	181.0
193.5	180.0	189.6	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193.5	193.5
205.9	187.5	196.4	0.0	1.0	0.625	55.8	-45.1	-21.9	50.1	205.9	205.9
218.4	195.0	203.2	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218.4	218.4
227.3	202.5	210.1	0.0	1.0	0.875	57.5	-34.3	-37.2	50.6	227.3	227.3
236.1	210.0	216.9	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236.1	236.1
240.3	217.5	223.8	0.0	0.875	1.0	55.2	-25.0	-43.9	50.5	240.3	240.3
245.8	225.0	230.6	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245.8	245.8
252.5	232.5	237.5	0.0	0.625	1.0	47.7	-13.9	-44.4	46.5	252.5	252.5
262.3	240.0	244.3	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262.3	262.3
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	-45.4	45.4	271.7	271.7
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281.6	281.6
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	-46.9	50.1	290.3	290.3
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296.4	296.4
306.7	277.5	278.8	0.125	0.0	1.0	29.3	31.8	-42.6	53.1	306.7	306.7
312.7	285.0	285.9	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312.7	312.7
326.7	292.5	293.0	0.375	0.0	1.0	33.8	47.6	-31.2	56.9	326.7	326.7
333.9	300.0	300.1	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333.9	333.9
339.6	307.5	307.2	0.625	0.0	1.0	40.9	58.8	-21.8	62.7	339.6	339.6
347.2	315.0	314.3	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347.2	347.2
350.2	322.5	321.4	0.875	0.0	1.0	45.9	69.4	-11.9	70.5	350.2	350.2
353.3	330.0	328.6	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	353.3	353.3
356.5	337.5	335.7	1.0	0.0	0.875	48.2	71.6	-4.3	71.7	356.5	356.5
360.3	345.0	342.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3	360.3
365.8	352.5	349.9	1.0	0.0	0.625	48.0	68.9	7.1	69.3	365.8	365.8
371.6	360.0	357.0	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371.6	371.6
378.2	367.5	364.1	1.0	0.0	0.375	47.7	66.1	21.8	69.6	378.2	378.2
383.9	375.0	371.2	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383.9	383.9
388.6	382.5	378.3	1.0	0.0	0.125	47.4	64.4	35.1	73.4	388.6	388.6
392.8	390.0	385.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392.8	392.8

see similar files: <http://130.149.60.45/~farbmetrik/QE15/QE15.HTM>
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



Output: Offset standard print; separation cmyk6*; D65, page 9/35
 input: *rgb/cmyk* -> *rgb*
 output: transfer to *cmyk*

QE1501L

QE1501L

http://130.149.60.45/~farbmetrik/QE15/QE15L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 14/33

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

Table with 13 columns: h_ab,d, h_ab,s, h_ab,e, rgb*_ds361MI, LAB*_ds361MI, C_d, rgb*_dd361MI, LAB*_dd361MI, x=LabCh, rgb*_de361MI, LAB*_de361MI, dex361MI (x=LabCh), rgb*_dd361MI, LAB*_dd361MI, rgb*_ds, rgb*_de, rgb*_dd. The table contains 288 rows of numerical data.

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

LAB*at0, YN=0%, XYZnw=2,4,2,5,2,6,85,1,88,8,104,3, LAB*rw=17,7,0,0,0,95,5,0,0,0,0

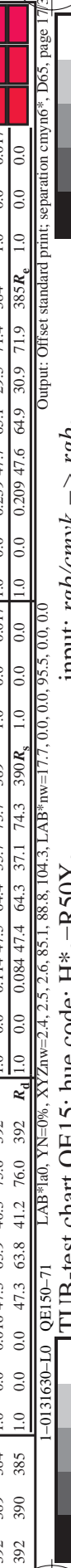
LAB*at0, YN=0%, XYZnw=2,4,2,5,2,6,85,1,88,8,104,3, LAB*rw=17,7,0,0,0,95,5,0,0,0,0

TUB-test chart QE15; hue code: H*_e=R50Y_e
48 step hue circles; rgb-LabCh*tables

LAB*at0, YN=0%, XYZnw=2,4,2,5,2,6,85,1,88,8,104,3, LAB*rw=17,7,0,0,0,95,5,0,0,0,0

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

LAB*at0, YN=0%, XYZnw=2,4,2,5,2,6,85,1,88,8,104,3, LAB*rw=17,7,0,0,0,95,5,0,0,0,0



http://130.149.60.45/~farbmetrik/QE15/QE15L0NA.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 cmyk6*: D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
 Six hue angles of the device colours RYGBM; h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGBM; h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

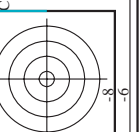
h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* _{ds}	rgb* _{ds361MI}	LAB* _{ds} 361MI (x=LabCh)	rgb* _{dd361MI}	LAB* _{dd} 361MI (x=LabCh)	rgb* _{de361MI}	LAB* _{de} 361MI (x=LabCh)	rgb* _{dd361MI}	LAB* _{de} 361MI (x=LabCh)	rgb* _{ds}	rgb* _{ds361MI}	LAB* _{ds}	rgb* _{dd361MI}	LAB* _{dd}	rgb* _{de361MI}	LAB* _{de}														
360	345	342	1.0	0.0	0.75	48.1	70.4	3.1	70.0	362	0.713	0.0	1.0	42.5	64.0	-17.0	66.2	345	1.0	0.0	0.75	0.678	0.0	1.0	41.9	61.9	-19.0	64.8	342	1.0	0.0	0.75
361	346	343	1.0	0.0	0.733	48.1	70.3	1.3	70.3	361	0.73	0.0	1.0	42.8	64.9	-16.1	66.9	346	1.0	0.0	0.733	0.693	0.0	1.0	42.2	62.8	-18.2	65.4	343	1.0	0.0	0.733
361	347	344	1.0	0.0	0.716	48.1	70.1	2.2	70.1	361	0.746	0.0	1.0	43.1	65.8	-15.1	67.5	347	1.0	0.0	0.717	0.709	0.0	1.0	42.4	63.7	-17.3	66.0	344	1.0	0.0	0.717
362	348	345	1.0	0.0	0.7	48.1	69.9	3.1	70.0	362	0.782	0.0	1.0	43.9	66.9	-14.1	68.4	348	1.0	0.0	0.7	0.724	0.0	1.0	42.7	64.6	-16.4	66.6	345	1.0	0.0	0.7
363	349	346	1.0	0.0	0.683	48.1	69.7	4.0	69.8	363	0.823	0.0	1.0	44.8	68.0	-13.1	69.3	349	1.0	0.0	0.683	0.74	0.0	1.0	43.0	65.4	-15.5	67.3	346	1.0	0.0	0.683
364	350	347	1.0	0.0	0.666	48.0	69.5	4.9	69.7	364	0.864	0.0	1.0	45.7	69.2	-12.1	70.3	350	1.0	0.0	0.667	0.764	0.0	1.0	43.4	66.4	-14.5	68.0	347	1.0	0.0	0.667
364	351	348	1.0	0.0	0.65	48.0	69.3	5.7	69.5	364	0.905	0.0	1.0	46.5	70.3	-11.0	71.2	351	1.0	0.0	0.65	0.803	0.0	1.0	44.3	67.5	-13.6	68.9	348	1.0	0.0	0.65
365	352	349	1.0	0.0	0.633	48.0	69.0	6.6	69.3	365	0.946	0.0	1.0	47.3	71.4	-9.9	72.1	352	1.0	0.0	0.633	0.842	0.0	1.0	45.2	68.6	-12.7	69.8	349	1.0	0.0	0.633
366	353	350	1.0	0.0	0.616	48.0	68.8	7.5	69.2	366	0.988	0.0	1.0	48.0	72.5	-8.8	73.1	353	1.0	0.0	0.617	0.881	0.0	1.0	46.1	69.7	-11.7	70.6	350	1.0	0.0	0.617
367	354	351	1.0	0.0	0.6	47.9	68.7	8.5	69.2	367	1.0	0.0	0.973	48.3	72.6	-7.5	73.0	354	1.0	0.0	0.6	0.92	0.0	1.0	46.8	70.7	-10.7	71.5	351	1.0	0.0	0.6
367	355	352	1.0	0.0	0.583	47.9	68.6	9.4	69.2	367	1.0	0.0	0.935	48.3	72.3	-6.9	72.5	355	1.0	0.0	0.583	0.959	0.0	1.0	47.5	71.8	-9.6	72.4	352	1.0	0.0	0.583
368	356	353	1.0	0.0	0.566	47.9	68.4	10.3	69.2	368	1.0	0.0	0.896	48.3	71.9	-4.9	72.1	356	1.0	0.0	0.567	0.998	0.0	1.0	48.2	72.8	-8.5	73.3	353	1.0	0.0	0.567
369	357	354	1.0	0.0	0.55	47.8	68.2	11.2	69.2	369	1.0	0.0	0.86	48.3	71.5	-3.6	71.6	357	1.0	0.0	0.55	1.0	0.0	0.965	48.3	72.6	-7.3	72.9	354	1.0	0.0	0.55
370	358	355	1.0	0.0	0.533	47.8	68.1	12.1	69.1	370	1.0	0.0	0.827	48.2	71.2	-2.4	71.3	358	1.0	0.0	0.533	1.0	0.0	0.929	48.3	72.2	-6.0	72.5	355	1.0	0.0	0.533
370	359	356	1.0	0.0	0.516	47.7	67.9	13.1	69.1	370	1.0	0.0	0.794	48.2	70.9	-1.1	70.9	359	1.0	0.0	0.517	1.0	0.0	0.892	48.3	71.8	-4.8	72.0	356	1.0	0.0	0.517
371	360	357	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371	1.0	0.0	0.761	48.2	70.6	0.0	70.6	360	1.0	0.0	0.5	0.949	0.0	1.0	47.3	71.5	-9.9	72.2	352	1.0	0.0	0.5
372	361	353	1.0	0.0	0.483	47.7	67.5	15.0	69.2	372	1.0	0.0	0.735	48.1	70.3	1.2	70.3	361	1.0	0.0	0.483	0.995	0.0	1.0	48.2	72.7	-8.6	73.2	353	1.0	0.0	0.483
373	362	354	1.0	0.0	0.466	47.7	67.3	16.1	69.2	373	1.0	0.0	0.712	48.1	70.1	2.4	70.1	362	1.0	0.0	0.467	1.0	0.0	0.962	48.3	72.5	-7.2	72.9	354	1.0	0.0	0.467
374	363	355	1.0	0.0	0.45	47.7	67.2	17.1	69.3	374	1.0	0.0	0.69	48.1	69.8	3.7	69.9	363	1.0	0.0	0.45	1.0	0.0	0.919	48.3	72.1	-5.7	72.3	355	1.0	0.0	0.45
375	364	356	1.0	0.0	0.433	47.7	67.0	18.2	69.4	375	1.0	0.0	0.667	48.1	69.5	4.9	69.7	364	1.0	0.0	0.433	1.0	0.0	0.876	48.3	71.7	-4.3	71.8	356	1.0	0.0	0.433
376	365	357	1.0	0.0	0.416	47.7	66.7	19.2	69.5	376	1.0	0.0	0.645	48.1	69.2	6.1	69.5	365	1.0	0.0	0.417	1.0	0.0	0.839	48.3	71.4	-2.9	71.4	357	1.0	0.0	0.417
376	366	358	1.0	0.0	0.4	47.7	66.5	20.5	69.5	376	1.0	0.0	0.623	48.0	68.9	7.2	69.3	366	1.0	0.0	0.4	1.0	0.0	0.802	48.2	71.0	-1.5	71.0	358	1.0	0.0	0.4
377	367	359	1.0	0.0	0.383	47.7	66.3	21.3	69.6	377	1.0	0.0	0.601	48.0	68.8	8.4	69.3	367	1.0	0.0	0.383	1.0	0.0	0.765	48.2	70.6	-0.1	70.6	359	1.0	0.0	0.383
378	368	360	1.0	0.0	0.366	47.7	66.1	22.3	69.7	378	1.0	0.0	0.58	47.9	68.6	9.6	69.3	368	1.0	0.0	0.367	1.0	0.0	0.735	48.1	70.3	1.2	70.3	360	1.0	0.0	0.367
379	369	362	1.0	0.0	0.35	47.7	66.0	23.2	69.9	379	1.0	0.0	0.558	47.9	68.4	10.8	69.2	369	1.0	0.0	0.35	1.0	0.0	0.71	48.1	70.1	2.6	70.1	362	1.0	0.0	0.35
380	370	363	1.0	0.0	0.333	47.7	65.8	24.2	70.2	380	1.0	0.0	0.536	47.8	68.1	12.0	69.2	370	1.0	0.0	0.333	1.0	0.0	0.685	48.1	69.8	3.9	69.9	363	1.0	0.0	0.333
380	371	364	1.0	0.0	0.316	47.7	65.7	25.1	70.4	380	1.0	0.0	0.515	47.8	67.9	13.2	69.2	371	1.0	0.0	0.317	1.0	0.0	0.666	48.1	69.4	5.2	69.6	364	1.0	0.0	0.317
381	372	365	1.0	0.0	0.3	47.7	65.6	26.0	70.6	381	1.0	0.0	0.494	47.8	67.7	14.4	69.2	372	1.0	0.0	0.3	1.0	0.0	0.635	48.1	69.1	6.6	69.4	365	1.0	0.0	0.3
382	373	366	1.0	0.0	0.283	47.7	65.4	27.0	70.8	382	1.0	0.0	0.475	47.8	67.5	15.6	69.3	373	1.0	0.0	0.283	1.0	0.0	0.611	48.0	68.8	7.9	69.3	366	1.0	0.0	0.283
383	374	367	1.0	0.0	0.266	47.7	65.2	27.9	71.0	383	1.0	0.0	0.456	47.8	67.3	16.8	69.3	374	1.0	0.0	0.267	1.0	0.0	0.587	48.0	68.6	9.2	69.3	367	1.0	0.0	0.267
383	375	368	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383	1.0	0.0	0.437	47.8	67.1	18.0	69.4	375	1.0	0.0	0.25	1.0	0.0	0.563	47.9	68.4	10.6	69.2	368	1.0	0.0	0.25
384	376	369	1.0	0.0	0.233	47.6	65.0	29.7	71.5	384	1.0	0.0	0.418	47.8	66.8	19.2	69.5	376	1.0	0.0	0.233	1.0	0.0	0.539	47.8	68.2	11.9	69.2	369	1.0	0.0	0.233
385	377	370	1.0	0.0	0.216	47.6	64.9	30.5	71.8	385	1.0	0.0	0.399	47.8	66.5	20.3	69.6	377	1.0	0.0	0.217	1.0	0.0	0.515	47.8	67.9	13.2	69.2	370	1.0	0.0	0.217
385	378	372	1.0	0.0	0.2	47.6	64.9	31.4	72.1	385	1.0	0.0	0.38	47.8	66.3	21.5	69.7	378	1.0	0.0	0.2	1.0	0.0	0.492	47.8	67.6	14.5	69.2	372	1.0	0.0	0.2
386	379	373	1.0	0.0	0.183	47.5	64.8	32.2	72.4	386	1.0	0.0	0.359	47.8	66.1	22.8	69.9	379	1.0	0.0	0.183	1.0	0.0	0.471	47.8	67.4	15.8	69.3	373	1.0	0.0	0.183
387	380	374	1.0	0.0	0.166	47.5	64.7	33.0	72.7	387	1.0	0.0	0.337	47.8	65.9	24.0	70.2	380	1.0	0.0	0.167	1.0	0.0	0.45	47.8	67.2	17.2	69.4	374	1.0	0.0	0.167
387	381	375	1.0	0.0	0.15	47.5	64.6	33.9	72.9	387	1.0	0.0	0.315	47.8	65.7	25.2	70.4	381	1.0	0.0	0.15	1.0	0.0	0.429	47.8	67.0	18.5	69.5	375	1.0	0.0	0.15
388	382	376	1.0	0.0	0.133	47.4	64.5	34.7	73.2	388	1.0	0.0	0.293	47.7	65.5	26.5	70.7	382	1.0	0.0	0.133	1.0	0.0	0.408	47.8	66.7	19.8	69.6	376	1.0	0.0	0.133
388	383	377	1.0	0.0	0.116	47.4	64.4	35.5	73.6	388	1.0	0.0	0.271	47.7	65.3	27.7	71.0	383	1.0	0.0	0.117	1.0	0.0	0.386	47.8	66.4	21.2	69.6	377	1.0	0.0	0.117
389	384	378	1.0	0.0	0.1	47.4	64.3	36.3	73.9	389	1																					

http://130.149.60.45/~farbmetrik/QE15/QE15LONA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 25/33

Table with columns: n, HHC*Fc, rgb*Fe, icr*Fe, Hs*Fa, rgb*Fe, LabCh*Fe, LabCh*Fm, LabCh*Fb, DE*Fe, Hm*Fe, rgb*Fm, rgb*Fb, LabCh*Fm, LabCh*Fb, delta_Fm*

Mean color difference in this page: delta_Fm* = 7.2

TUB-test chart QE15; hue code: H*_e=R50Y_e colors and differences, ΔE*_{uv} input: rgb/cmyk -> rgb output: transfer to cmyk



http://130.149.60.45/~farbmetrik/QE15/QE15LONA.TXT / .PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 27/33

Table with 15 columns: n, H#C*Fe, R*G*B, iet, Fe, Hs, Fe, LabC*H*Fe, r*g*b, Fe, LabC*H*Fe, LabC*H*Fe, DF*Fe, Ha*Me, r*g*b, Fe, LabC*H*Fe, LabC*H*Fe. Rows 567-647.

Mean color difference of this page: delta E* = 13.3 input: rgb/cmyk -> rgbe output: transfer to cmyke

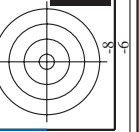
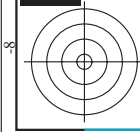




Table with 15 columns: n, H#C*Fe, rgp*Fe, icr*Fe, lns*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, rpb*Fe, LabCh*Fe, rpb*Fe, H#M*Fe, DF*Fe, LabCh*Fe, rpb*Fe, H#C*Fe, H#M*Fe, and 0.0. Each row corresponds to a specific color and includes numerical values for various colorimetric and colorimetric difference metrics.

Mean color difference of this page:

input: rgb/cmyk -> rgbe output: transfer to cmyke delta E* = 9.3

QE150-TN, Page 29/33-F



http://130.149.60.45/~farbmetrik/QE15/QE15LONA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 30/33

Table with columns: n, HHC*Fe, rpb*Fe, icr*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, DF*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe. Rows 810-890.

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

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

TUB-test chart QE15; hue code: H*_e=R50Y_e colors and differences, AE*_e

Table with 11 columns: n, H#C*Fe, H#S*Fe, iet*Fe, rpb*Fe, LabC*H*Fe, LabCH*Fe, DPF*Fe, H#M*Fe, rpb*Me, LabCH*Me, LabC*H*Me, and 0.0. Rows 891-971.

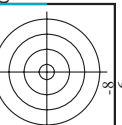
input: rgb/cmyk -> rgbe output: transfer to cmyke

TUB-test chart QE15; hue code: H*_e=R50Y_e colors and differences, ΔE*_*

1-103303-F0

QE150-TN; Page 31/33-F

Mean color difference of this page: delta E* = 11.7



http://130.149.60.45/~farbmetrik/QE15/QE15L0NA.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, F, r/g/b, i/c/y, i/s, h/s, f, Lab C/M, r/g/b, Lab C/M, r/g/b, i/c/y, i/s, h/s, f, Lab C/M, r/g/b, Lab C/M, r/g/b, Delta E* = 5.5

Mean color difference of this page:

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

TUB-test chart QE15; hue code: H*_e=R50Y_e colors and differences, AE*_*



http://130.149.60.45/~farbmetrik/QE15/QE15L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33

n	HC*Fe	rgb*Fe	iet*Fe	hsa*Fe	rgb*Fe	LabCH*Fe	LabCH*Fe	DF*Fe	hsa*Fe	rgb*Fe	LabCH*Fe			
1053	NW_086e	0.866	0.866	0.866	0.866	0.866	89.4	0.1	204.5	1.0	1.0	95.4	0.0	0.0
1054	NW_093e	0.933	0.933	0.933	0.933	0.933	92.2	0.0	177.8	1.0	1.0	95.4	0.0	0.0
1055	NW_100e	1.0	1.0	1.0	1.0	1.0	95.4	0.0	61.5	1.0	1.0	95.4	0.0	0.0
1056	NW_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.1	96.3	1.0	1.0	95.4	0.0	0.0
1057	NW_100e	0.066	0.066	0.066	0.066	0.066	22.3	0.0	151.6	1.0	1.0	95.4	0.0	0.0
1058	NW_013e	0.133	0.133	0.133	0.133	0.133	30.4	0.0	242.3	1.0	1.0	95.4	0.0	0.0
1059	NW_020e	0.2	0.2	0.2	0.2	0.2	38.9	0.0	240.2	1.0	1.0	95.4	0.0	0.0
1060	NW_026e	0.266	0.266	0.266	0.266	0.266	45.6	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1061	NW_033e	0.333	0.333	0.333	0.333	0.333	51.9	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1062	NW_040e	0.4	0.4	0.4	0.4	0.4	57.3	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1063	NW_046e	0.466	0.466	0.466	0.466	0.466	61.7	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1064	NW_053e	0.533	0.533	0.533	0.533	0.533	67.0	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1065	NW_060e	0.6	0.6	0.6	0.6	0.6	72.1	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1066	NW_066e	0.666	0.666	0.666	0.666	0.666	76.7	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1067	NW_073e	0.734	0.734	0.734	0.734	0.734	80.9	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1068	NW_080e	0.8	0.8	0.8	0.8	0.8	84.8	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1069	NW_086e	0.866	0.866	0.866	0.866	0.866	89.3	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1070	NW_093e	0.933	0.933	0.933	0.933	0.933	92.2	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1071	NW_100e	1.0	1.0	1.0	1.0	1.0	95.4	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1072	NW_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.4	1.0	1.0	95.4	0.0	0.0
1073	NW_100e	1.0	1.0	1.0	1.0	1.0	95.4	0.0	78.4	1.0	1.0	95.4	0.0	0.0
1074	ROY_100_100e	1.0	1.0	1.0	1.0	1.0	95.4	0.0	234.5	1.0	1.0	95.4	0.0	0.0
1075	GS0B_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.1	75.2	1.0	1.0	95.4	0.0	0.0
1076	Y06G_100_100e	1.0	1.0	1.0	1.0	1.0	95.4	0.0	31.4	1.0	1.0	95.4	0.0	0.0
1077	B00L_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	237.9	1.0	1.0	95.4	0.0	0.0
1078	B00L_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.5	1.0	1.0	95.4	0.0	0.0
1079	B50R_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	249.0	1.0	1.0	95.4	0.0	0.0
1079	B50R_100_100e	1.0	1.0	1.0	1.0	1.0	95.4	0.0	357.5	1.0	1.0	95.4	0.0	0.0

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

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

TUB-test chart QE15; hue code: H*e=R50Ye colors and differences, ΔE*'