

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

$H^*_- = Y50G_-$

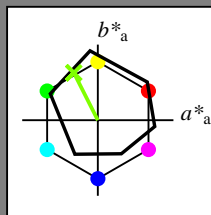
Data for any device (d) or elementary (e) colour:

HIC^*_-

hue text for the colours of this page:

$H^*_- = Y50G_-$

triangle lightness T^*



ORS18a; adapted (a) CIELAB data

name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
R _{-,Ma}	47.9	65.3	50.5	82.6	37
Y _{-,Ma}	90.3	-10.2	91.7	92.3	96
G _{-,Ma}	50.9	-62.8	34.9	71.9	150
C _{-,Ma}	58.6	-30.3	-45.0	54.2	236
B _{-,Ma}	25.7	31.0	-44.4	54.2	305
M _{-,Ma}	48.1	75.2	-8.3	75.7	353
N _{-,Ma}	18.0	0.0	0.0	0.0	0
W _{-,Ma}	95.4	0.0	0.0	0.0	0
R _{-,CIE}	39.9	58.7	27.9	65.0	25
Y _{-,CIE}	81.2	-2.8	71.5	71.6	92
G _{-,CIE}	52.2	-42.4	13.6	44.5	162
B _{-,CIE}	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

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

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

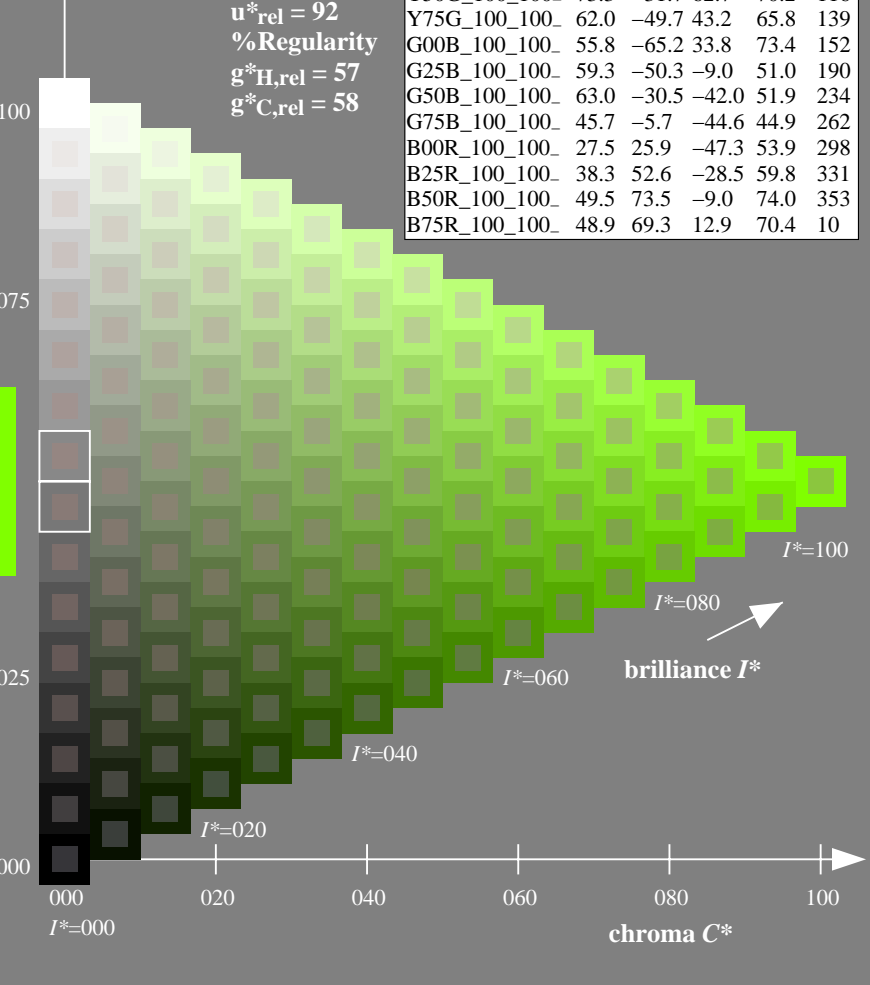
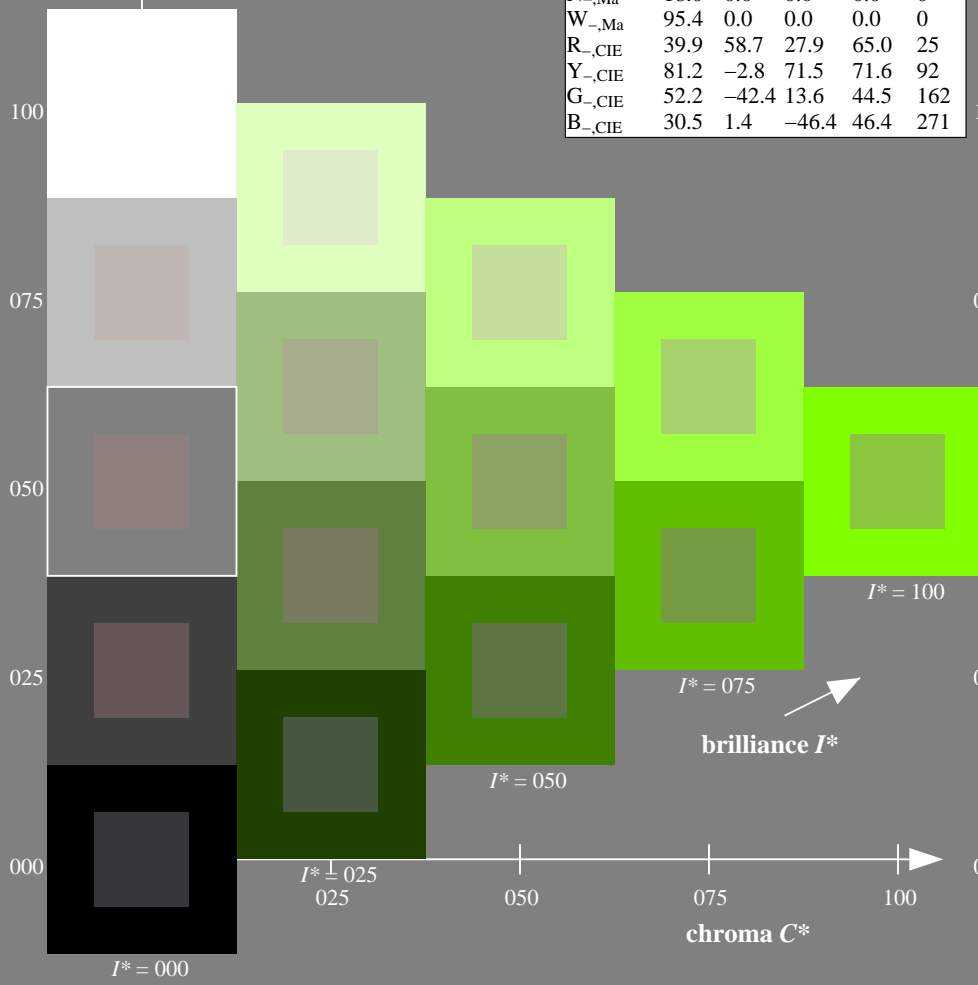
$rgbic^*_{-,Ma}$:

0.5 1.0 0.0 1.0 1.0

triangle lightness T^*

ORS20a; adapted (a) CIELAB data

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



see similar files: <http://130.149.60.45/~farbmetrik/QE54/QE54.HTM>
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE54/QE54L0NA.TXT /PS
 application for measurement of offset print output

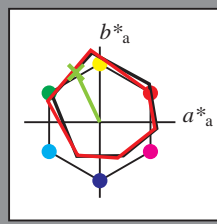
TUB material: code=rh4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 115/360 = 0.32$

$H^*_d = Y50G_d$

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

HIC^*_d
hue text for the colours of this page:
 $H^*_d = Y50G_d$
triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{d,Ma}	47.3	63.8	41.2	76.0	32
Y _{d,Ma}	88.3	-11.9	95.1	95.8	97
G _{d,Ma}	51.9	-68.8	28.1	74.3	157
C _{d,Ma}	58.3	-29.2	-43.7	52.6	236
B _{d,Ma}	25.3	23.5	-47.3	52.8	296
M _{d,Ma}	48.2	72.8	-8.5	73.3	353
N _{d,Ma}	17.7	0.0	0.0	0.0	0
W _{d,Ma}	95.4	0.0	0.0	0.0	0
R _{d,CIE}	39.9	58.7	27.9	65.0	25
Y _{d,CIE}	81.2	-2.8	71.5	71.6	92
G _{d,CIE}	52.2	-42.4	13.6	44.5	162
B _{d,CIE}	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 72 -31 66 73 115

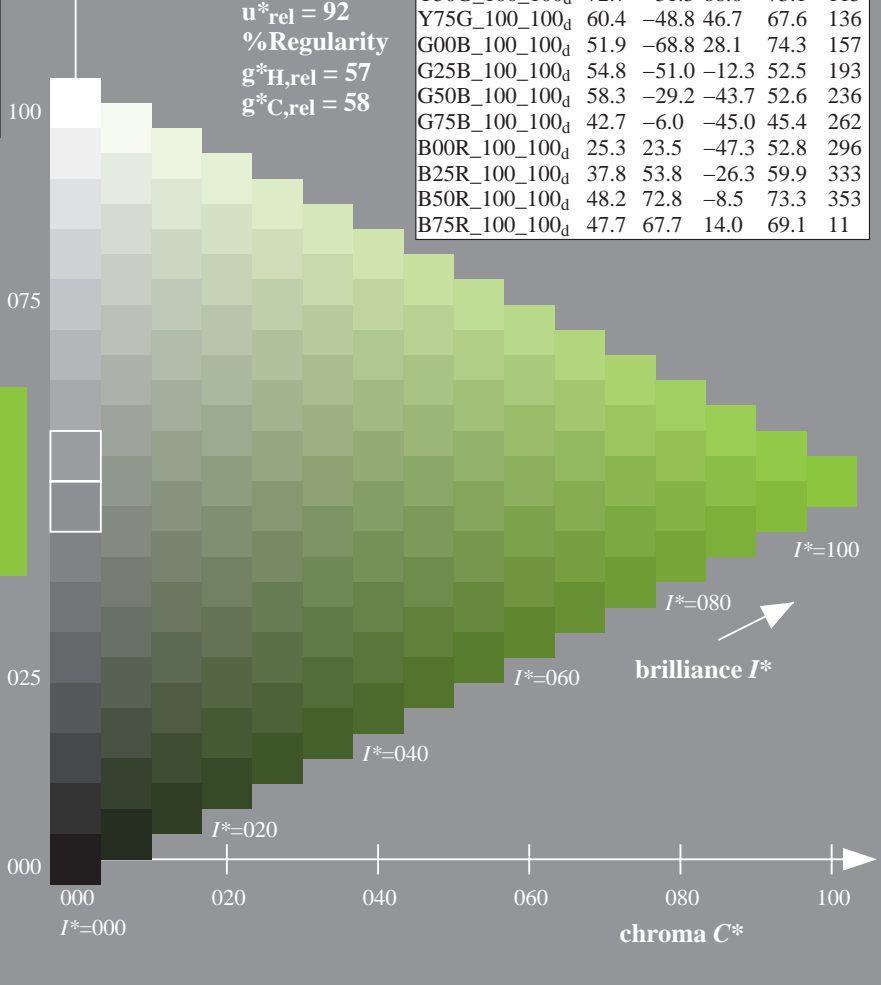
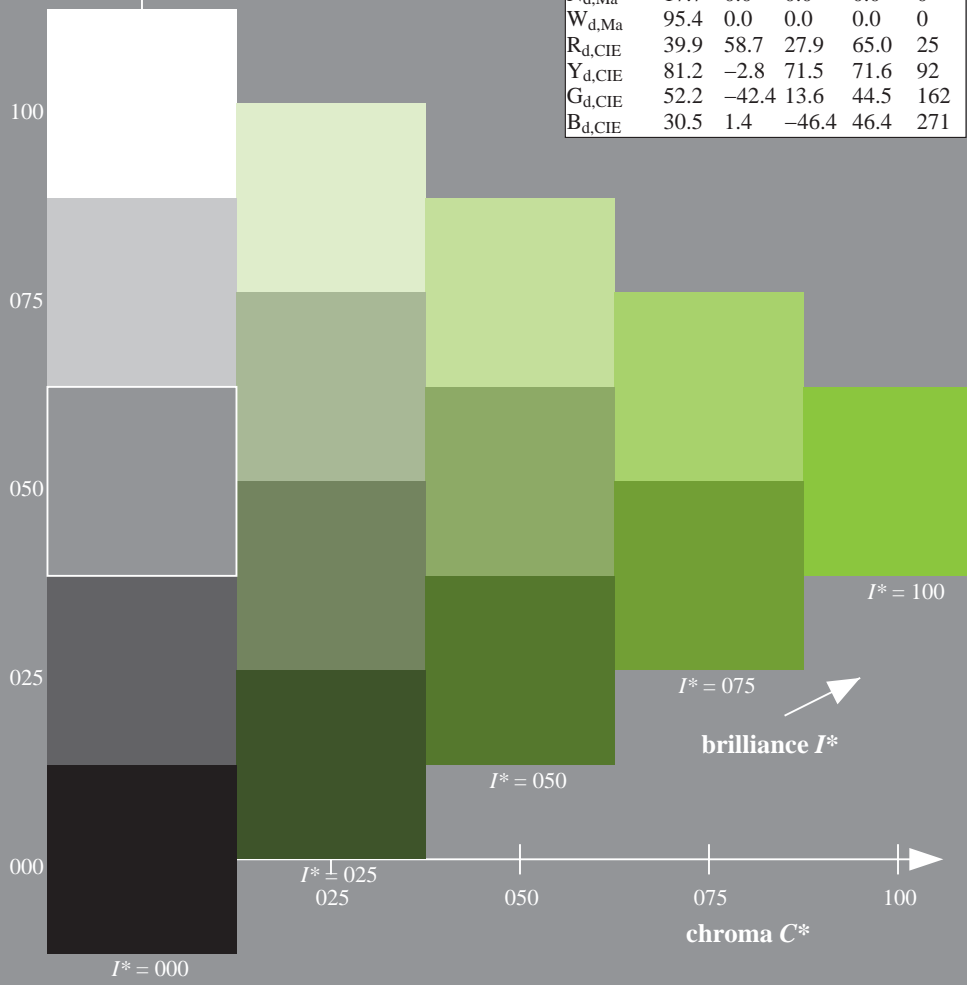
$HIC^*_{d,Ma}$: Y50G_100_100d

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

triangle lightness T^*

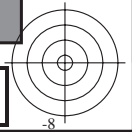
ORS20a; adapted (a) CIELAB data

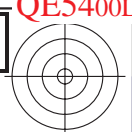
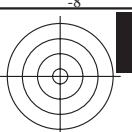
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 _d	47.3	63.8	41.2	76.0	32
R25Y_100_100 _d	55.3	45.8	52.2	69.5	48
R50Y_100_100 _d	67.2	22.6	67.6	71.2	71
R75Y_100_100 _d	79.9	1.0	83.9	83.9	89
Y00G_100_100 _d	88.3	-11.9	95.1	95.8	97
Y25G_100_100 _d	83.3	-19.2	83.7	85.9	102
Y50G_100_100 _d	72.7	-31.3	66.0	73.1	115
Y75G_100_100 _d	60.4	-48.8	46.7	67.6	136
G00B_100_100 _d	51.9	-68.8	28.1	74.3	157
G25B_100_100 _d	54.8	-51.0	-12.3	52.5	193
G50B_100_100 _d	58.3	-29.2	-43.7	52.6	236
G75B_100_100 _d	42.7	-6.0	-45.0	45.4	262
B00R_100_100 _d	25.3	23.5	-47.3	52.8	296
B25R_100_100 _d	37.8	53.8	-26.3	59.9	333
B50R_100_100 _d	48.2	72.8	-8.5	73.3	353
B75R_100_100 _d	47.7	67.7	14.0	69.1	11



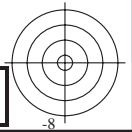
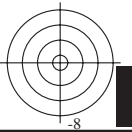
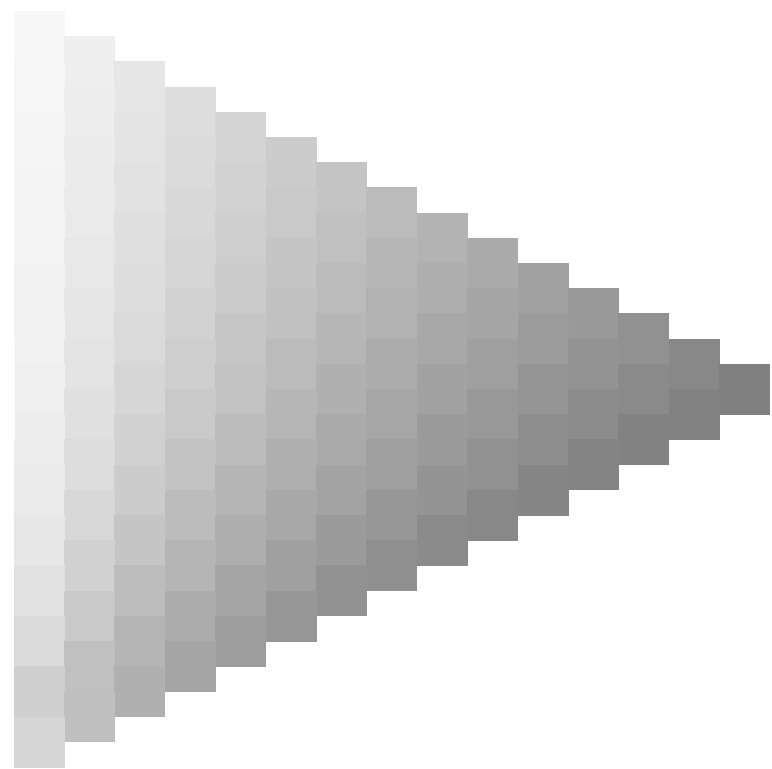
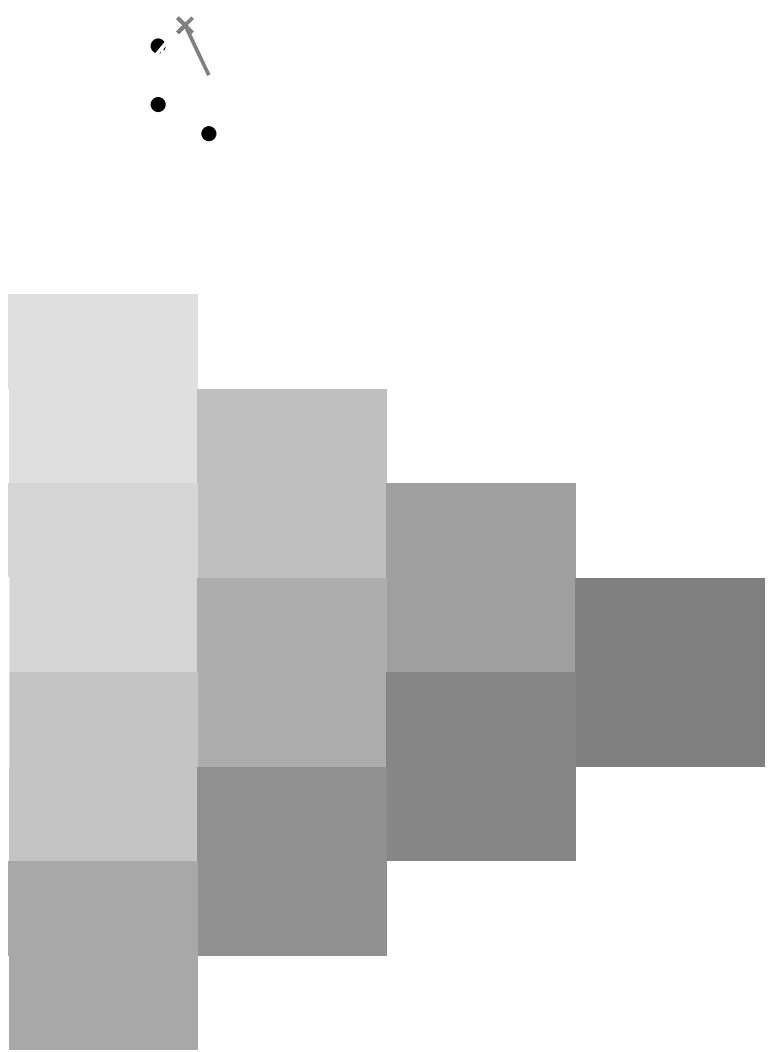
see similar files: http://130.149.60.45/~farbmetrik/QE54/QE54.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE54/QE54L0NA.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/QE54/QE54.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

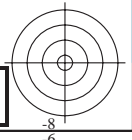


1-003230-L0 QE540-70

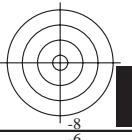
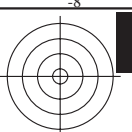
TUB-test chart QE54; hue code: $H^*_d=Y50G_d$
Test chart according to DIN 33872, 3D=0, de=0, cmyk

input: *rgb/cmyk* -> *rgb_d*
output: transfer to *cmyk_d*

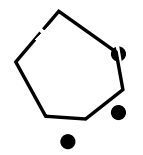
1-003230-E0



http://130.149.60.45/~farbmetrik/QE54/QE54L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 4/33



see similar files: <http://130.149.60.45/~farbmetrik/QE54/QE54.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

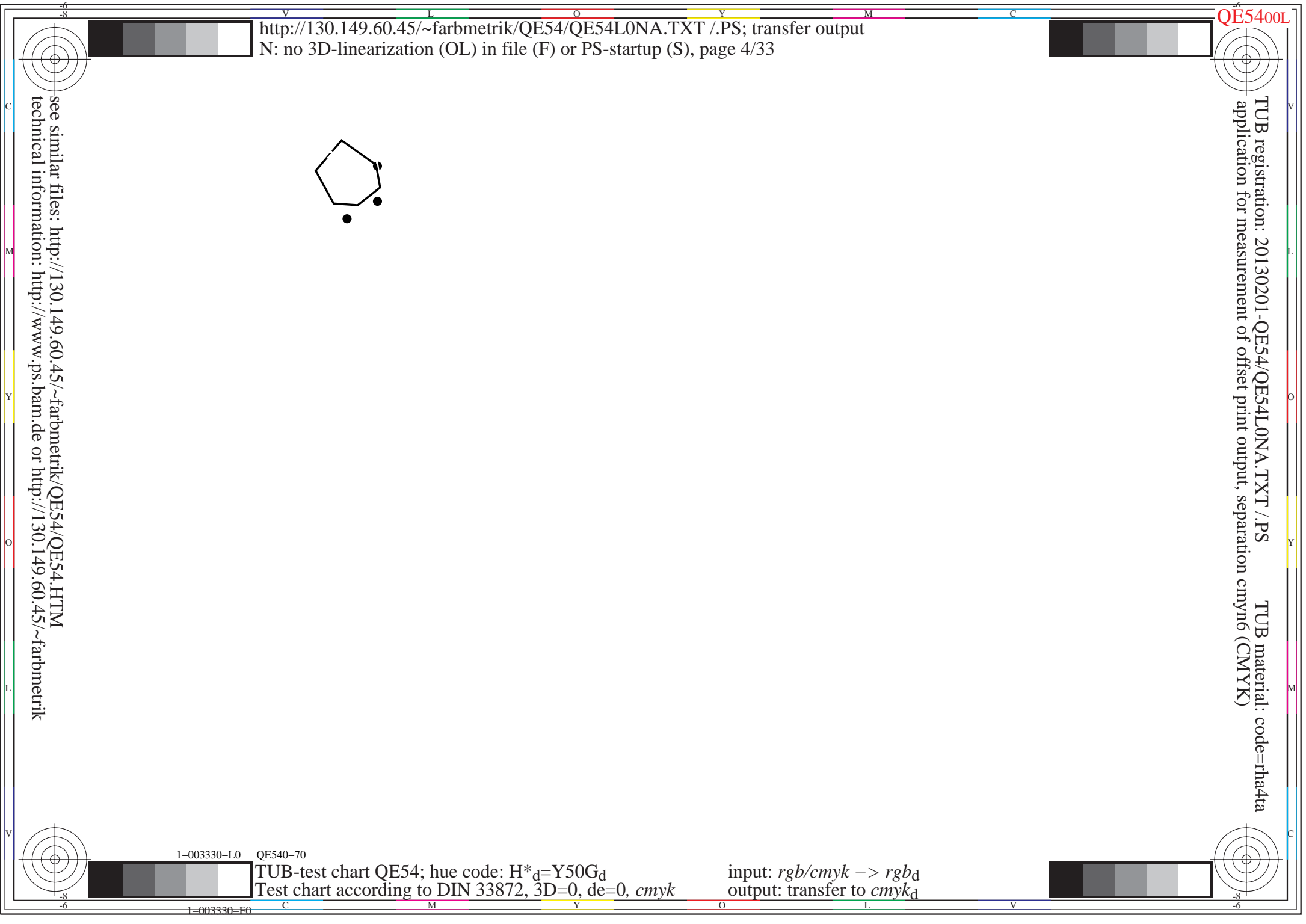


1-003330-L0 QE540-70

TUB-test chart QE54; hue code: $H^*_d=Y50G_d$
Test chart according to DIN 33872, 3D=0, de=0, cmyk

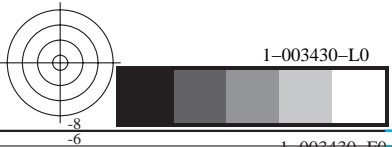
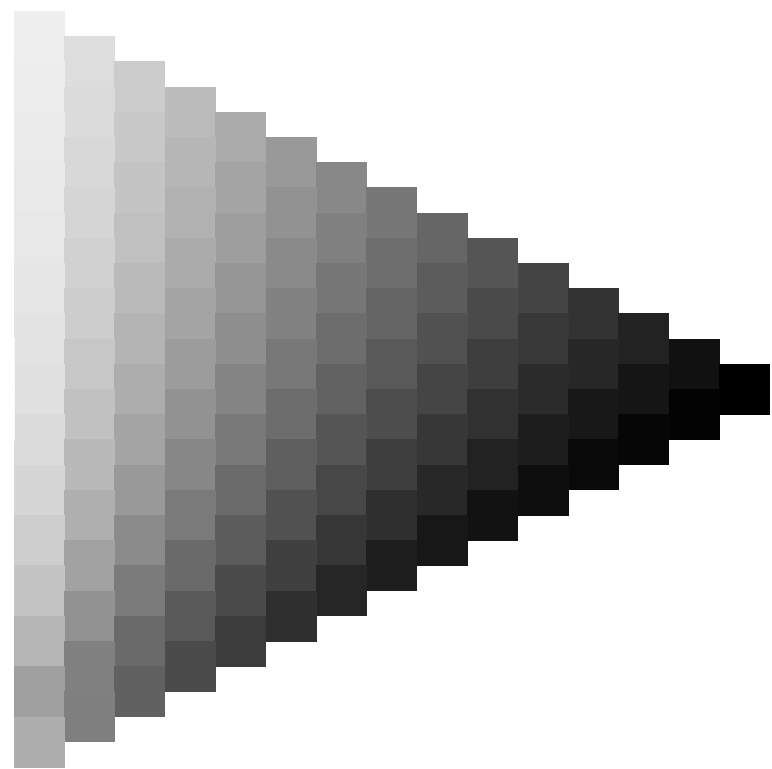
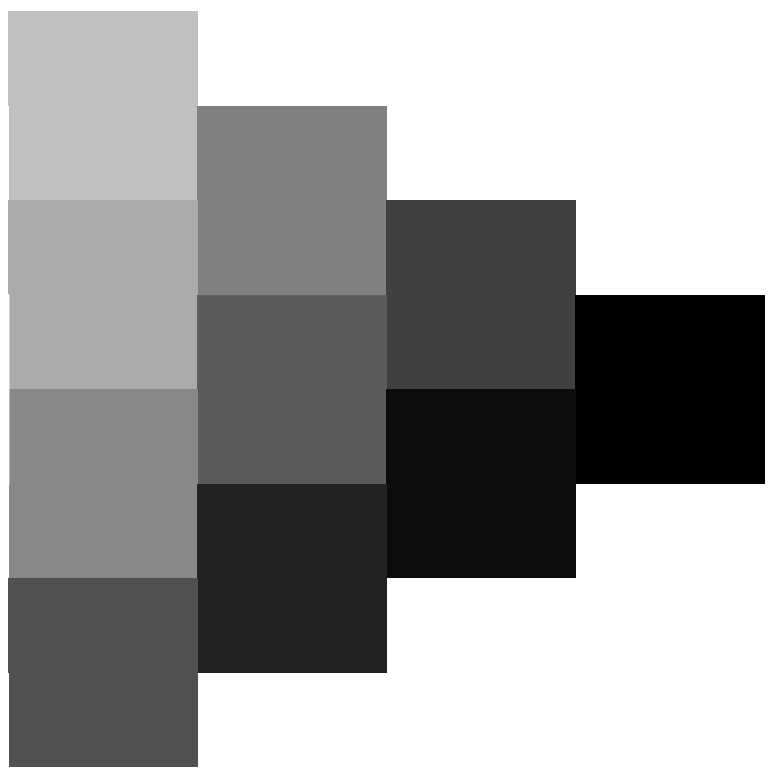
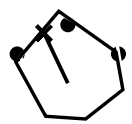
input: $rgb/cmyk \rightarrow rgb_d$
output: transfer to $cmyk_d$

1-003330-F0





see similar files: <http://130.149.60.45/~farbmetrik/QE54/QE54.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



1-003430-L0 QE540-70

TUB-test chart QE54; hue code: H*d=Y50Gd
Test chart according to DIN 33872, 3D=0, de=0, cmyk

input: *rgb/cmyk* -> *rgb_d*
output: transfer to *cmyk_d*

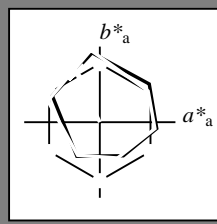
1-003430-F0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 115/360 = 0.32$

$H^*_d = Y50G_d$

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

HIC^*_d
hue text for the colours of this page:
 $H^*_d = Y50G_d$
triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{d, Ma}	47.3	63.8	41.2	76.0	32
Y _{d, Ma}	88.3	-11.9	95.1	95.8	97
G _{d, Ma}	51.9	-68.8	28.1	74.3	157
C _{d, Ma}	58.3	-29.2	-43.7	52.6	236
B _{d, Ma}	25.3	23.5	-47.3	52.8	296
M _{d, Ma}	48.2	72.8	-8.5	73.3	353
N _{d, Ma}	17.7	0.0	0.0	0.0	0
W _{d, Ma}	95.4	0.0	0.0	0.0	0
R _{d, CIE}	39.9	58.7	27.9	65.0	25
Y _{d, CIE}	81.2	-2.8	71.5	71.6	92
G _{d, CIE}	52.2	-42.4	13.6	44.5	162
B _{d, CIE}	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{d, Ma}$: 72 -31 66 73 115

$HIC^*_{d, Ma}$: Y50G_100_100d

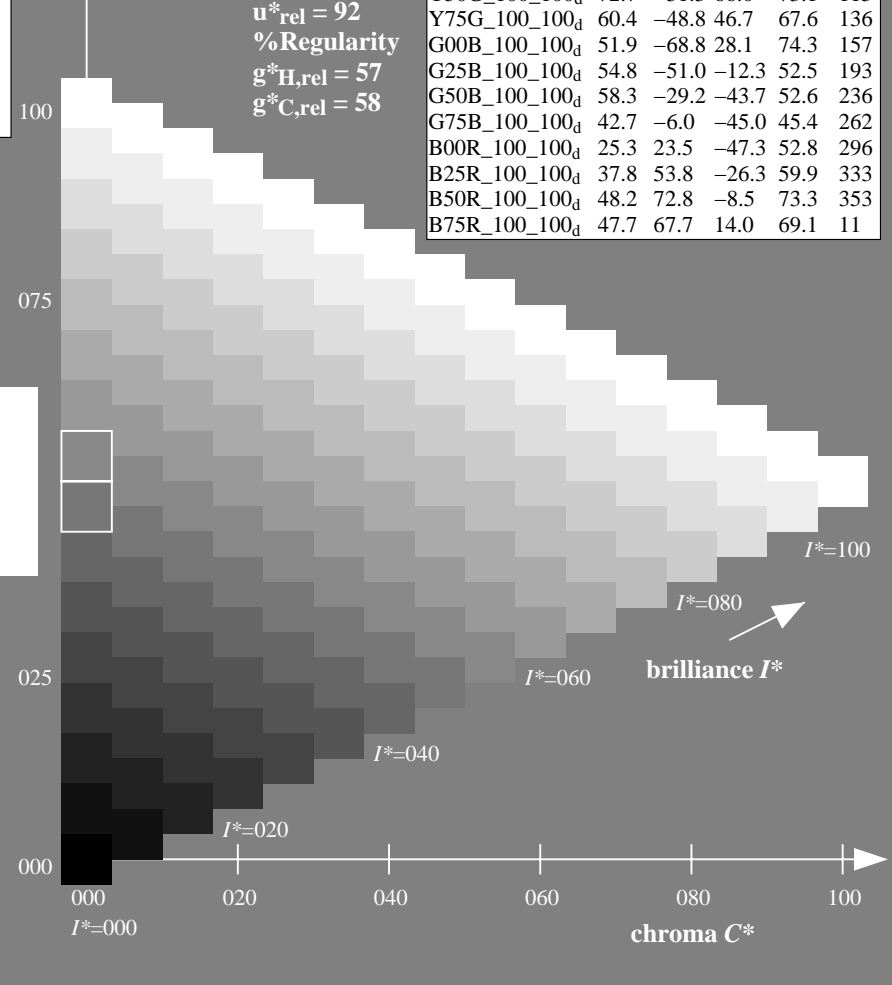
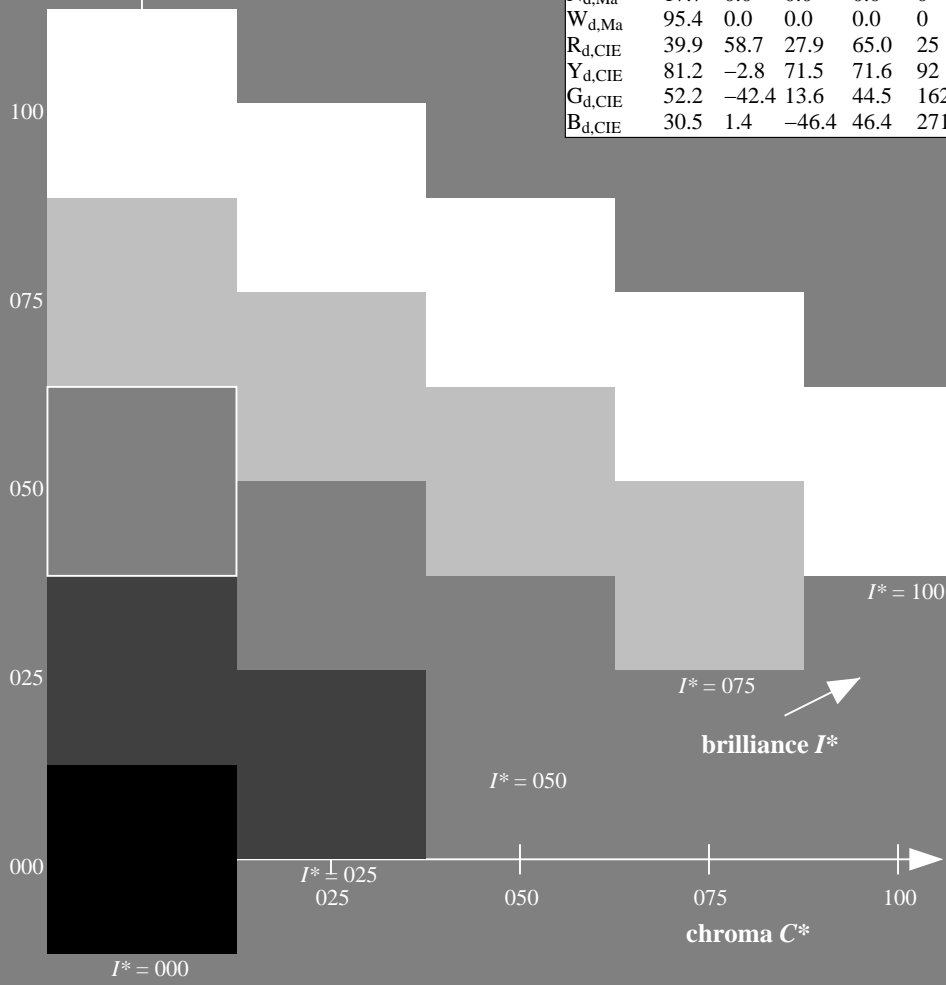
$rgbic^*_{d, Ma}$: 0.5 1.0 0.0 1.0 1.0

triangle lightness T^*

ORS20a; adapted (a) CIELAB data

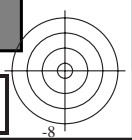
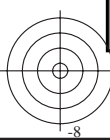
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 _d	47.3	63.8	41.2	76.0	32
R25Y_100_100 _d	55.3	45.8	52.2	69.5	48
R50Y_100_100 _d	67.2	22.6	67.6	71.2	71
R75Y_100_100 _d	79.9	1.0	83.9	83.9	89
Y00G_100_100 _d	88.3	-11.9	95.1	95.8	97
Y25G_100_100 _d	83.3	-19.2	83.7	85.9	102
Y50G_100_100 _d	72.7	-31.3	66.0	73.1	115
Y75G_100_100 _d	60.4	-48.8	46.7	67.6	136
G00B_100_100 _d	51.9	-68.8	28.1	74.3	157
G25B_100_100 _d	54.8	-51.0	-12.3	52.5	193
G50B_100_100 _d	58.3	-29.2	-43.7	52.6	236
G75B_100_100 _d	42.7	-6.0	-45.0	45.4	262
B00R_100_100 _d	25.3	23.5	-47.3	52.8	296
B25R_100_100 _d	37.8	53.8	-26.3	59.9	333
B50R_100_100 _d	48.2	72.8	-8.5	73.3	353
B75R_100_100 _d	47.7	67.7	14.0	69.1	11

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

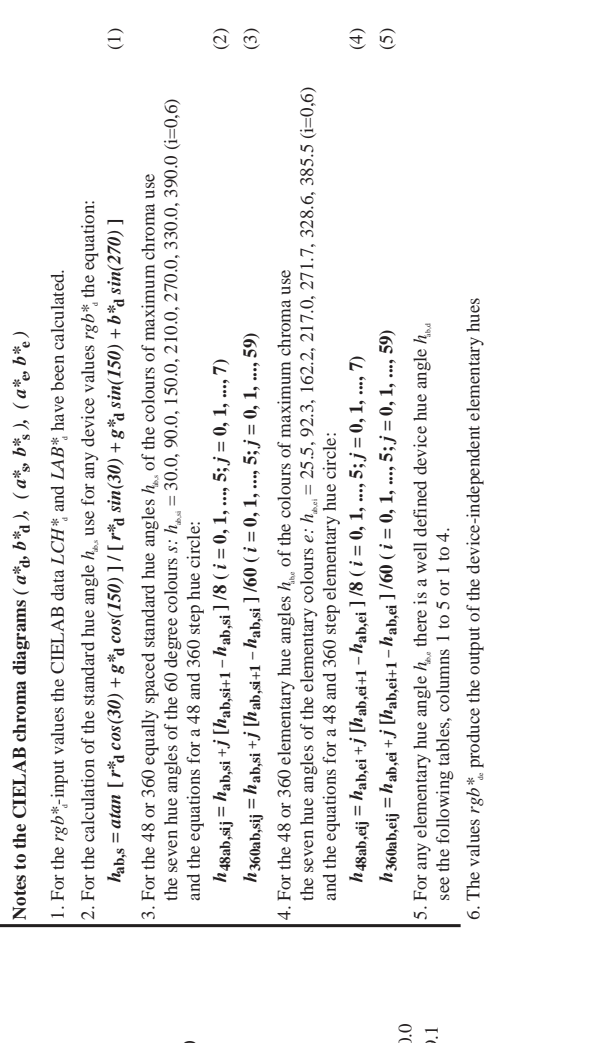
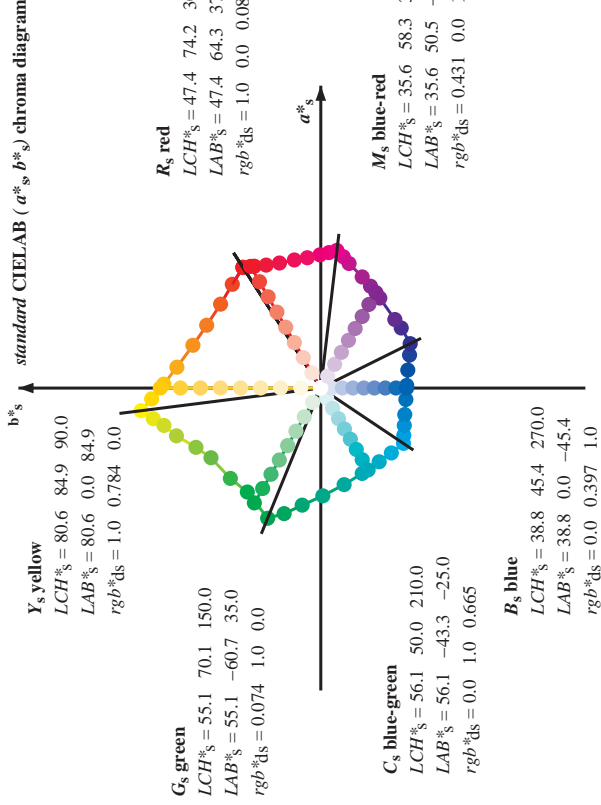
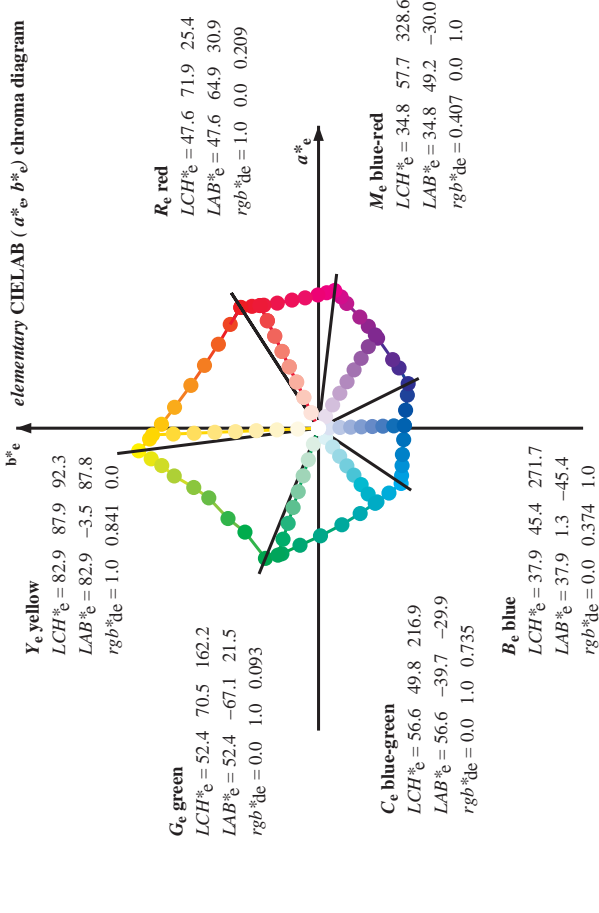
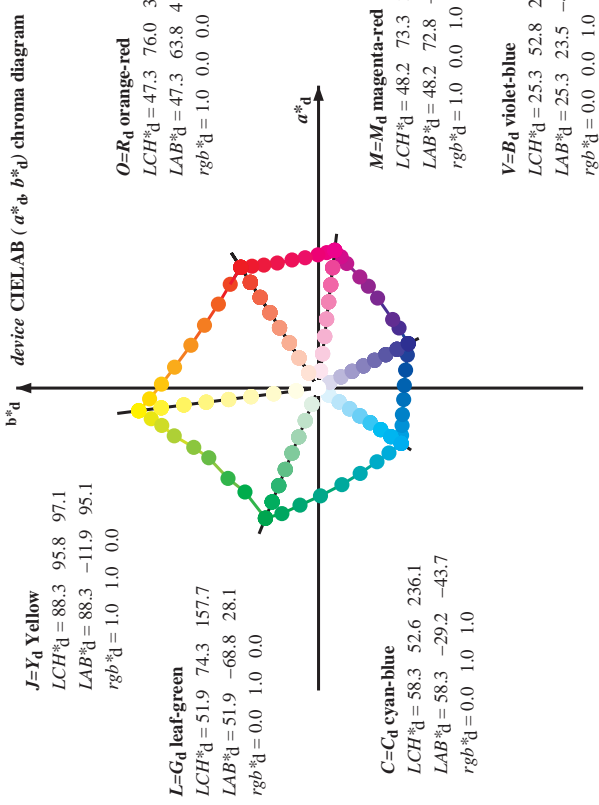


see similar files: http://130.149.60.45/~farbmetrik/QE54/QE54.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE54/QE54L0NA.TXT /PS
application for measurement of offset print output, separation cmyk6 (CMYK)
TUB material: code=rh4ta



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; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



http://130.149.60.45/~farbmetrik/QE54/QE54L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 9/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmyk6* D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; h_ab,ab = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; 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* _{dd64M}	LAB* _{dd64M}	rgb* _{ds}	LAB* _{ds}	rgb* _{de}	LAB* _{de}												
32.8	30.0	25.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	32.8	1.0	0.0	0.209	47.6	64.9	30.9	71.9	25	
40.4	37.5	33.8	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4	40.4	1.0	0.007	0.0	47.6	63.4	41.6	75.8	33	
50.0	45.0	42.1	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0	50.0	1.0	0.148	0.0	52.1	53.0	48.1	71.6	42	
61.1	52.5	50.5	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1	61.1	1.0	0.25	0.0	56.0	44.5	53.0	69.2	49	
71.4	60.0	58.8	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	71.4	1.0	0.35	0.0	60.3	35.6	59.0	69.0	58	
81.7	67.5	67.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7	81.7	1.0	0.442	0.0	64.5	27.8	64.5	70.2	66	
88.5	75.0	75.6	1.0	0.75	0.0	80.2	2.0	83.0	83.1	88.5	88.5	1.0	0.55	0.0	69.8	18.3	71.3	73.6	75	
93.6	82.5	83.9	1.0	0.875	0.0	84.2	-5.7	89.4	89.6	93.6	93.6	1.0	0.655	0.0	75.0	9.0	77.9	78.5	83	
97.1	90.0	92.3	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97.1	97.1	1.0	0.842	0.0	83.0	-3.4	87.8	87.9	92	
100.3	97.5	101.0	1.0	0.875	1.0	0.0	85.8	-16.2	88.6	100.3	100.3	1.0	0.871	1.0	0.0	85.8	-16.2	88.4	89.9	100
103.3	105.0	109.7	1.0	0.0	82.9	-19.7	83.0	85.3	103.3	103.3	1.0	0.599	1.0	0.0	76.2	-26.6	74.3	78.9	109	
108.3	112.5	118.5	1.0	0.0	77.0	-25.2	76.3	80.4	108.3	108.3	1.0	0.455	1.0	0.0	71.4	-33.4	63.2	71.6	117	
115.3	120.0	127.2	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115.3	115.3	0.5	0.327	1.0	0.0	65.8	-41.3	54.4	68.4	127
122.4	127.5	136.0	0.375	1.0	0.0	68.9	-36.9	58.1	68.8	122.4	122.4	0.375	0.244	1.0	0.0	60.7	-48.1	47.5	67.6	135
134.9	135.0	144.7	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134.9	134.9	0.25	0.124	1.0	0.0	57.4	-54.9	38.9	67.4	144
144.6	142.5	153.4	0.125	1.0	0.0	57.4	-54.9	38.9	67.3	144.6	144.6	0.125	0.047	1.0	0.0	54.0	-63.8	32.7	71.7	152
157.7	150.0	162.2	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157.7	157.7	0.0	0.093	52.4	-67.0	21.5	70.5	162		
163.7	157.5	169.0	0.0	1.0	0.125	52.5	-66.4	19.3	69.1	163.7	163.7	0.0	0.209	53.1	-63.5	12.8	64.9	168		
170.9	165.0	175.9	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170.9	170.9	0.0	0.311	53.7	-59.7	4.3	59.9	175		
181.0	172.5	182.7	0.0	1.0	0.375	54.1	-56.9	-1.0	56.9	181.0	181.0	0.0	0.387	54.2	-56.4	-2.2	56.5	182		
193.5	180.0	189.6	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193.5	193.5	0.0	0.46	54.6	-53.1	-8.9	54.0	189		
205.9	187.5	196.4	0.0	1.0	0.625	55.8	-45.1	-21.9	50.1	205.9	205.9	0.0	0.524	55.0	-50.0	-14.3	52.1	195		
218.4	195.0	203.2	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218.4	218.4	0.0	0.598	55.6	-46.5	-19.9	50.7	203		
227.3	202.5	210.1	0.0	1.0	0.875	57.5	-34.3	-37.2	50.6	227.3	227.3	0.0	0.662	56.1	-43.4	-24.7	50.1	209		
236.1	210.0	216.9	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236.1	236.1	0.0	0.736	56.7	-39.7	-29.9	49.8	216		
240.3	217.5	223.8	0.0	0.875	1.0	55.2	-25.0	-43.9	50.5	240.3	240.3	0.0	0.819	57.2	-36.4	-34.4	50.3	223		
245.8	225.0	230.6	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245.8	245.8	0.0	0.922	57.9	-32.5	-39.7	51.4	230		
252.5	232.5	237.5	0.0	0.625	1.0	47.7	-13.9	-44.4	46.5	252.5	252.5	0.0	0.974	1.0	57.7	-28.3	-43.7	52.2	237	
262.3	240.0	244.3	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262.3	262.3	0.0	0.785	1.0	52.7	-21.1	-44.1	49.0	244	
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	-45.4	45.4	271.7	271.7	0.0	0.659	1.0	48.9	-15.4	-44.3	47.1	250	
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281.6	281.6	0.0	0.555	1.0	45.0	-9.4	-44.8	45.9	258	
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	-46.9	50.1	290.3	290.3	0.0	0.472	1.0	41.7	-4.3	-45.1	45.4	264	
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296.4	296.4	0.0	0.375	1.0	37.9	1.4	-45.3	45.5	271	
306.7	277.5	278.8	0.125	0.0	1.0	29.3	31.8	-42.6	53.1	306.7	306.7	0.0	0.291	1.0	34.9	6.8	-45.9	46.5	278	
312.7	285.0	285.9	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312.7	312.7	0.0	0.188	1.0	31.0	13.3	-46.6	48.5	285	
326.7	292.5	293.0	0.375	0.0	1.0	33.8	47.6	-31.2	56.9	326.7	326.7	0.0	0.079	1.0	27.4	19.6	-47.1	51.1	292	
333.9	300.0	300.1	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333.9	333.9	0.0	0.046	0.0	1.0	26.8	26.6	-45.7	53.0	300
339.6	307.5	307.2	0.625	0.0	1.0	40.9	58.8	-21.8	62.7	339.6	339.6	0.0	0.126	0.0	1.0	29.4	31.9	-42.5	53.2	306
347.2	315.0	314.3	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347.2	347.2	0.0	0.265	0.0	1.0	31.8	37.7	-38.4	53.8	314
350.2	322.5	321.4	0.875	0.0	1.0	45.9	69.4	-11.9	70.5	350.2	350.2	0.0	0.324	0.0	1.0	32.9	43.2	-34.8	55.5	321
353.3	330.0	328.6	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	353.3	353.3	0.0	0.407	0.0	1.0	34.9	49.3	-30.0	57.7	328
356.5	337.5	335.7	1.0	0.0	0.875	48.2	71.6	-4.3	71.7	356.5	356.5	0.0	0.529	0.0	1.0	38.6	55.0	-25.3	60.6	335
360.3	345.0	342.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3	360.3	0.0	0.678	0.0	1.0	41.9	61.9	-19.0	64.8	342
365.8	352.5	349.9	1.0	0.0	0.625	48.0	68.9	7.1	69.3	365.8	365.8	0.0	0.842	0.0	1.0	45.2	68.6	-12.7	69.8	349
371.6	360.0	357.0	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371.6	371.6	0.0	0.949	0.0	1.0	47.3	71.5	-9.9	72.2	352
378.2	367.5	364.1	1.0	0.0	0.375	47.7	66.1	21.8	69.6	378.2	378.2	0.0	0.765	48.2	70.6	-0.1	70.6	359		
383.9	375.0	371.2	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383.9	383.9	0.0	0.563	47.9	68.4	10.6	69.2	368		
388.6	382.5	378.3	1.0	0.0	0.125	47.4	64.4	35.1	73.4	388.6	388.6	0.0	0.408	47.8	66.7	19.8	69.6	376		
392.8	390.0	385.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392.8	392.8	0.0	0.209	47.6	64.9	30.9	71.9	385		

TUB-test chart QE54; hue code: H*_d=Y50Gd 48 step hue circles; rgb-LabCh*tables input: rgb/cmyk -> rgbd output: transfer to cmykd

http://130.149.60.45/~farbmetrik/QE54/QE54L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 10/33

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

Table with 88 rows and 15 columns. Columns include: h_ab,d, h_ab,s, h_ab,e, h_ab,rgb, h_ab,rgb, h_ab,rgb, h_ab,rgb, h_ab,rgb, h_ab,rgb, h_ab,rgb, h_ab,rgb, h_ab,rgb, h_ab,rgb. Each row contains numerical values for these parameters.

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

LAB* dss361MI LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh) LAB* dss361MI (x=LabCh)

http://130.149.60.45/~farbmetrik/QE54/QE54L0NA.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 cmyk6*: D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; h_ab,ds = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with 12 columns: h_ab,d, h_ab,s, h_ab,e, rgb%_dd361M, LAB*_dcs361MI (x=LabCh), rgb%_dcs361MI, LAB*_dcs361MI (x=LabCh), rgb%_dd361MI, LAB*_dex361MI (x=LabCh), rgb%_dex361MI, LAB*_dex361MI (x=LabCh), rgb%_dd361MI, LAB*_dex361MI (x=LabCh)

I-0031030-L0 QE540-70 LAB*lab0, 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 Output: Offset standard print; separation cmyk6*: D65, page 1/33

TUB-test chart QE54; hue code: H*_d=Y50Gd input: rgb/cmyk -> rgbd output: transfer to cmykd

http://130.149.60.45/~farbmetrik/QE54/QE54L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/33

Table with columns: nrf, HHC*Fd, rpb*Fd, icr*Fd, hsa*Fd, LabCH*Fd, rpb*Fd, LabCH*Fd, DE*Fd, hsa*Fd, rpb*Fd, LabCH*Fd. Rows include color names like R000, R13Y, R25C, etc., and numerical values for each column.

Mean color difference of this page: delta E** = 2.6

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

Table with columns: nuf, HHC*Fd, rpb_Fd, icr_Fd, hsa_Fd, rpb*Fd, LabCH*Fd, LabCH**Fd, DE*Fd, hsa_Md, rpb**Md, LabCH**Md, LabCH*Md, and numerical values for each row.

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

TUB-test chart QE54; hue code: H*_d=Y50G_d colors and differences, ΔE*_*

Mean color difference of this page: delta E*_* = 3.8

http://130.149.60.45/~farbmetrik/QE54/QE54LONA.TXT / .PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/33

see similar files: http://130.149.60.45/~farbmetrik/QE54/QE54.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Table with 80 columns (numbered 1-80) and 10 rows of colorimetric data. Columns include H* (hue), L* (lightness), a* (red-green), b* (yellow-blue), and various color difference metrics like Delta E*ab, Delta E*cb, etc. The data represents color differences between the test chart and a reference.

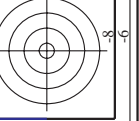
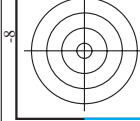
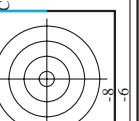
Mean color difference of this page: delta E*ab = 3.7

TUB-test chart QE54; hue code: H*d=Y50Gd colors and differences, ΔE*

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

QE5400L

QE5400L



http://130.149.60.45/~farbmetrik/QE54/QE54LONA.TXT / .PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/33

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

Table with 15 columns: n, HHC*Fd, Rgb*Fd, iet*Fd, Hs*Fd, Rgb*Fd, LabCH*Fd, LabCH*Fd, Rgb*Fd, Rgb*Fd, LabCH*Fd, LabCH*Fd, Rgb*Fd, Rgb*Fd, LabCH*Fd. It contains color calibration data for various color patches.

Mean color difference of this page:

delta E* = 5.3

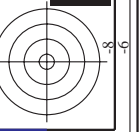
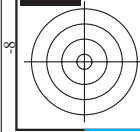
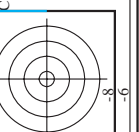
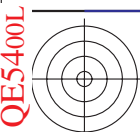
TUB-test chart QE54; hue code: H*d=Y50Gd colors and differences, AE*'

QE540-TN; Page 24/33-F

I-0032330-F0

QE5400L

QE5400L



http://130.149.60.45/~farbmetrik/QE54/QE54LONA.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*Fd, rpb*Fd, icr*Fd, hsa*Fd, rpb*Fd, LabCH*Fd, LabCH*Fd, rpb*Fd, rpb*Fd, LabCH*Fd, DF*Fd, hsa*Fd, LabCH*Fd, rpb*Fd. Rows include color names like R00Y, R01Y, etc.

input: rgb/cmyk -> rgbd output: transfer to cmykd Mean color difference of this page: delta E* = 4.6

Table with 15 columns: n, HHC*Fd, rpb*Fd, icr*Fd, hsa*Fd, rpb*Fd, LabCh*Fd, LabCh*Fd, rpb*Fd, rpb*Fd, LabCh*Fd, DF*Fd, hsa*Fd, rpb*Fd, LabCh*Fd. Rows 567-647.

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

TUB-test chart QE54; hue code: H*d=Y50Gd colors and differences, AE*²

Mean color difference of this page: delta E* = 4.8

Table with 10 columns: n, HHC*Fd, rpb*Fd, icr*Fd, hsa*Fd, LabCH*Fd, rpb*Fd, LabCH*Fd, DE*Fd, hsa*Fd, rpb*Fd, LabCH*Fd. Rows include color names like R001, R002, etc., and numerical values for each column.

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

TUB-test chart QE54; hue code: H*d=Y50Gd colors and differences, AE*

Mean color difference of this page: delta E* = 3.9

Table with 10 columns: n, H#C*Fd, r*g*b, i*c*t, i*c*t, i*c*t, i*c*t, i*c*t, i*c*t, i*c*t. Rows include color names like NV_100a, G50B_100.0124, etc.

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

TUB-test chart QE54; hue code: H*d=Y50Gd colors and differences, AE*

Mean color difference of this page: delta E* = 5.8

http://130.149.60.45/~farbmetrik/QE54/QE54LONA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 30/33

Table with 10 columns: n, H#C*Fd, H#s, Fd, iEt, Fd, rGb, Fd, LabC*F, Fd, rGb*F, Fd, LabC*F, Fd, DF*F, Fd, H#s, Fd, rGb*F, Fd, LabC*F, Fd. Rows include color patches like NV, BOOR, YOCG, etc.

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

TUB-test chart QE54; hue code: H*d=Y50Gd colors and differences, AE*

Mean color difference of this page: delta E* = 5.5

http://130.149.60.45/~farbmetrik/QE54/QE54L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33

n	HC*Fd	rgb*Fd	icT*Fd	isL*Fd	rgb*Fd	LabCh*Fd	isL*Fd	LabCh*Fd	rgb*Fd	DF*Fd	isM*Fd	LabCh*Fd	rgb*Fd	DF*Fd	isM*Fd	LabCh*Fd	rgb*Fd	
1053	NW_086d	0.866	0.866	0.866	0.866	0.866	0.866	85.0	0.0	0.0	0.0	89.4	-0.1	0.0	0.0	204.5	4.4	360
1054	NW_093d	0.933	0.933	0.933	0.933	0.933	0.933	90.2	0.0	0.0	0.0	92.2	0.0	0.0	0.0	177.8	1.9	360
1055	NW_100d	1.0	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	98.4	0.0	0.0	0.0	61.5	0.0	360
1056	NW_006d	0.066	0.066	0.066	0.066	0.066	0.066	22.8	0.0	0.0	0.0	18.7	0.0	0.1	0.1	96.3	1.0	360
1057	NW_013d	0.133	0.133	0.133	0.133	0.133	0.133	30.4	0.0	0.0	0.0	22.3	-0.1	0.0	0.1	151.6	0.5	360
1058	NW_020d	0.2	0.2	0.2	0.2	0.2	0.2	33.2	0.0	0.0	0.0	28.9	-0.4	-0.5	0.6	242.3	2.4	360
1059	NW_026d	0.266	0.266	0.266	0.266	0.266	0.266	38.3	0.0	0.0	0.0	35.9	-0.4	-0.8	0.9	243.3	5.7	360
1060	NW_033d	0.333	0.333	0.333	0.333	0.333	0.333	43.6	0.0	0.0	0.0	41.9	-0.4	-0.7	0.8	240.2	7.2	360
1061	NW_040d	0.4	0.4	0.4	0.4	0.4	0.4	48.8	0.0	0.0	0.0	47.3	-0.4	-0.6	0.8	235.4	8.4	360
1062	NW_046d	0.466	0.466	0.466	0.466	0.466	0.466	53.9	0.0	0.0	0.0	51.9	-0.4	-0.6	0.7	234.3	8.6	360
1063	NW_053d	0.533	0.533	0.533	0.533	0.533	0.533	59.1	0.0	0.0	0.0	57.3	-0.4	-0.5	0.6	235.2	7.8	360
1064	NW_060d	0.6	0.6	0.6	0.6	0.6	0.6	64.3	0.0	0.0	0.0	61.7	-0.3	-0.4	0.5	231.6	7.7	360
1065	NW_066d	0.666	0.666	0.666	0.666	0.666	0.666	69.5	0.0	0.0	0.0	67.0	-0.3	-0.4	0.5	233.5	7.3	360
1066	NW_073d	0.734	0.734	0.734	0.734	0.734	0.734	74.7	0.0	0.0	0.0	73.4	-0.2	-0.2	0.3	225.3	6.1	360
1067	NW_080d	0.8	0.8	0.8	0.8	0.8	0.8	79.9	0.0	0.0	0.0	80.9	-0.2	-0.2	0.3	221.2	4.9	360
1068	NW_086d	0.866	0.866	0.866	0.866	0.866	0.866	85.0	0.0	0.0	0.0	84.8	-0.2	-0.1	0.2	220.2	4.3	360
1069	NW_093d	0.933	0.933	0.933	0.933	0.933	0.933	90.2	0.0	0.0	0.0	89.2	0.0	0.0	0.0	125.8	2.0	360
1070	NW_100d	1.0	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	92.4	0.0	0.0	0.0	92.4	0.0	360
1071	NW_006d	0.066	0.066	0.066	0.066	0.066	0.066	17.7	0.0	0.0	0.0	20.0	0.1	0.5	0.5	78.4	2.3	360
1072	NW_013d	0.133	0.133	0.133	0.133	0.133	0.133	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1073	NW_020d	0.2	0.2	0.2	0.2	0.2	0.2	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1074	NW_026d	0.266	0.266	0.266	0.266	0.266	0.266	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1075	NW_033d	0.333	0.333	0.333	0.333	0.333	0.333	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1076	NW_040d	0.4	0.4	0.4	0.4	0.4	0.4	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1077	NW_046d	0.466	0.466	0.466	0.466	0.466	0.466	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1078	NW_053d	0.533	0.533	0.533	0.533	0.533	0.533	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1079	NW_060d	0.6	0.6	0.6	0.6	0.6	0.6	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1080	NW_066d	0.666	0.666	0.666	0.666	0.666	0.666	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1081	NW_073d	0.734	0.734	0.734	0.734	0.734	0.734	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1082	NW_080d	0.8	0.8	0.8	0.8	0.8	0.8	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1083	NW_086d	0.866	0.866	0.866	0.866	0.866	0.866	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1084	NW_093d	0.933	0.933	0.933	0.933	0.933	0.933	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1085	NW_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1086	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1087	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1088	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1089	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1090	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1091	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1092	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1093	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1094	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1095	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1096	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1097	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1098	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1099	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1100	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1101	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1102	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1103	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1104	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1105	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1106	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1107	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1108	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1109	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1110	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1111	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1112	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1113	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1114	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1115	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1116	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1117	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1118	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1119	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1120	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1121	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1122	RGB_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	17.7	0.0	0.0	0.0	17.7	0.0	0.1	0.1	75.2	0.1	360
1123	RGB_100_100d	1.0																