

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 46/360 = 0.12$

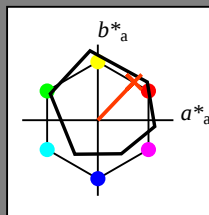
Data for any device (d) or elementary (e) colour:

HIC^*_-

hue text for the colours of this page:

$H^*_- = R25Y_-$

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):

$LabCh^*_- ,Ma$: 56 48 50 69 46

HIC^*_- ,Ma : R25Y_100_100-

$rgbic^*_- ,Ma$:

1.0 0.23 0.0 1.0 1.0

triangle lightness T^*

% Gamut

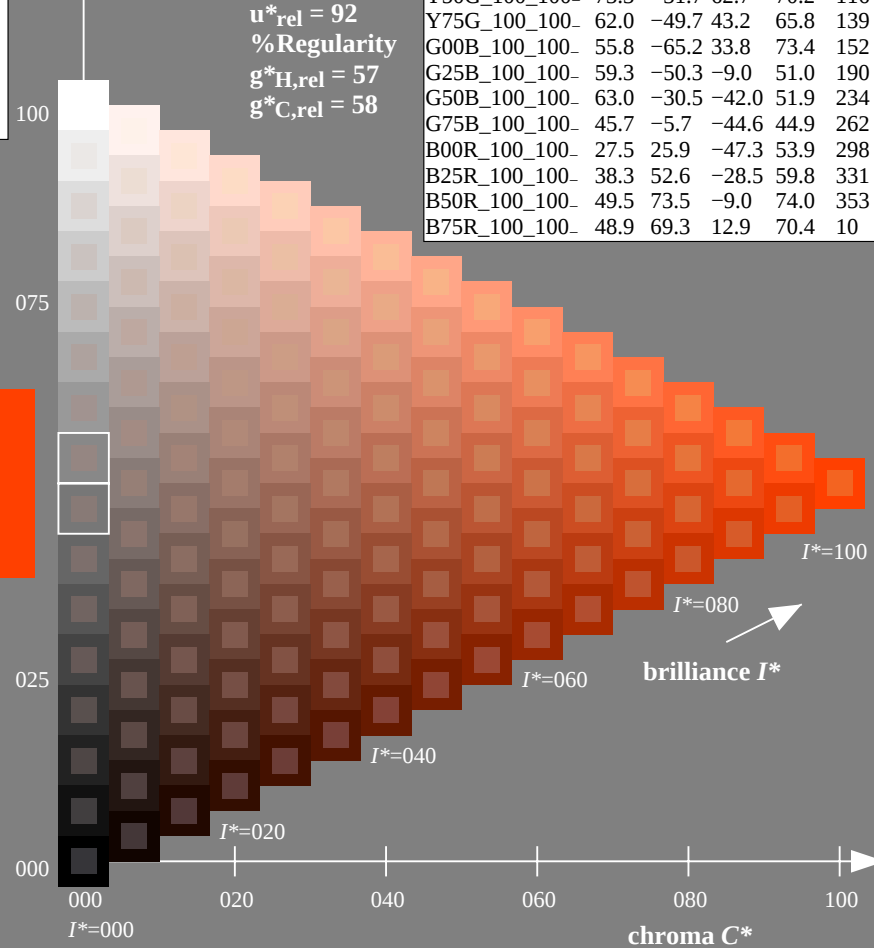
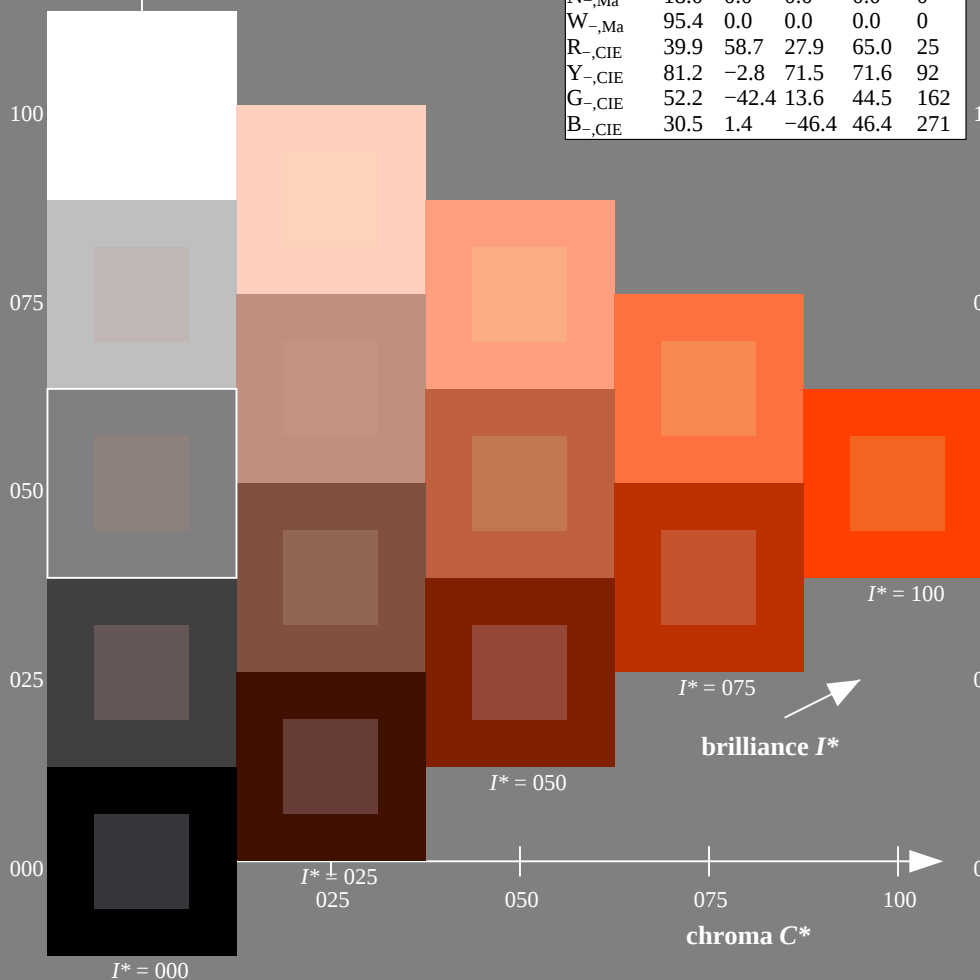
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_-	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100-	48.4	66.1	40.2	77.3	31
R25Y_100_100-	56.8	48.0	50.5	69.6	46
R50Y_100_100-	68.6	25.0	63.9	68.6	68
R75Y_100_100-	80.6	4.8	77.2	77.3	86
Y00G_100_100-	90.2	-9.6	88.2	88.7	96
Y25G_100_100-	83.2	-18.4	79.9	81.9	102
Y50G_100_100-	73.3	-31.7	62.7	70.2	116
Y75G_100_100-	62.0	-49.7	43.2	65.8	139
G00B_100_100-	55.8	-65.2	33.8	73.4	152
G25B_100_100-	59.3	-50.3	-9.0	51.0	190
G50B_100_100-	63.0	-30.5	-42.0	51.9	234
G75B_100_100-	45.7	-5.7	-44.6	44.9	262
B00R_100_100-	27.5	25.9	-47.3	53.9	298
B25R_100_100-	38.3	52.6	-28.5	59.8	331
B50R_100_100-	49.5	73.5	-9.0	74.0	353
B75R_100_100-	48.9	69.3	12.9	70.4	10



TUB-test chart QE01; hue code: $H^*_- = R25Y_-$
Test chart according to DIN 33872, 3D=0, de=0, sRGB

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

Input and Output: Television Luminous System TLS00a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 44/360 = 0.12$

$H^*_d = R25Y_d$

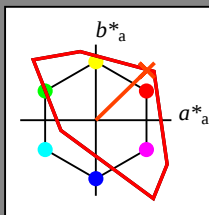
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = R25Y_d$

triangle lightness T^*



TLS00a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _d ,Ma	50.4	76.9	64.5	100.4	40
Y _d ,Ma	92.6	-20.7	90.7	93.0	102
G _d ,Ma	83.6	-82.7	79.8	115.0	136
C _d ,Ma	86.8	-46.1	-13.5	48.1	196
B _d ,Ma	30.3	76.0	-103.5	128.5	306
M _d ,Ma	57.2	94.3	-58.4	110.9	328
N _d ,Ma	0.0	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):

$LabCh^*_d, Ma$: 53 67 65 94 44

HIC^*_d, Ma : R25Y_100_100_d

$rgbic^*_d, Ma$:

1.0 0.23 0.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 158$

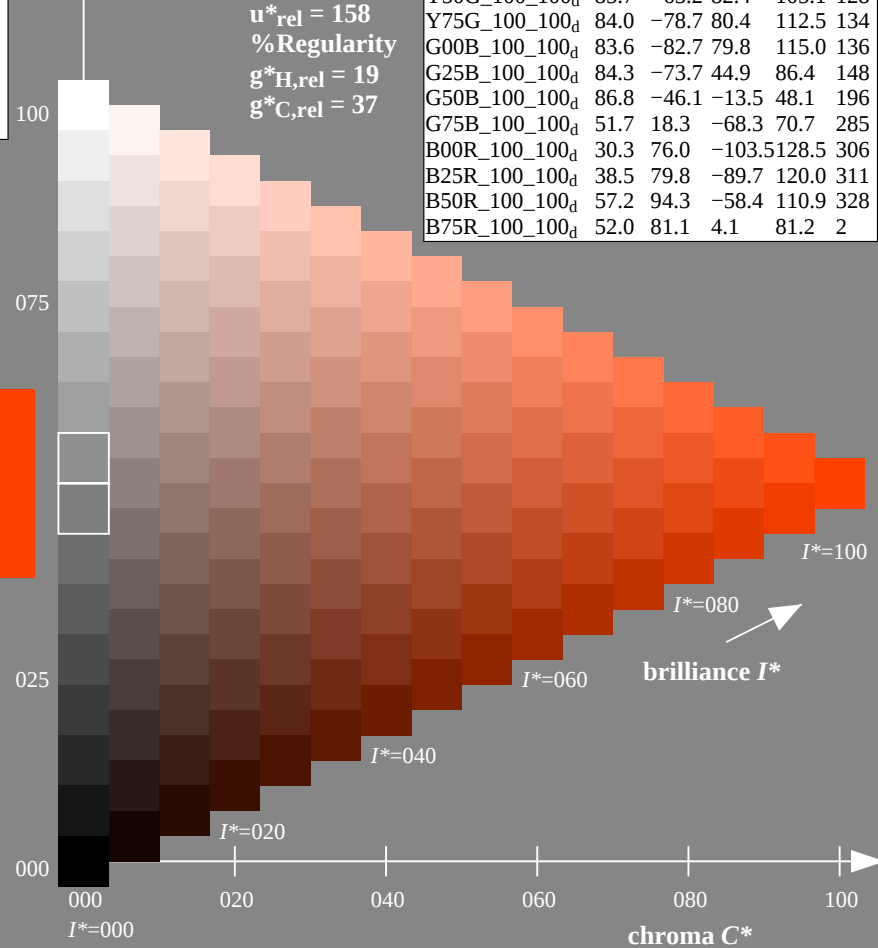
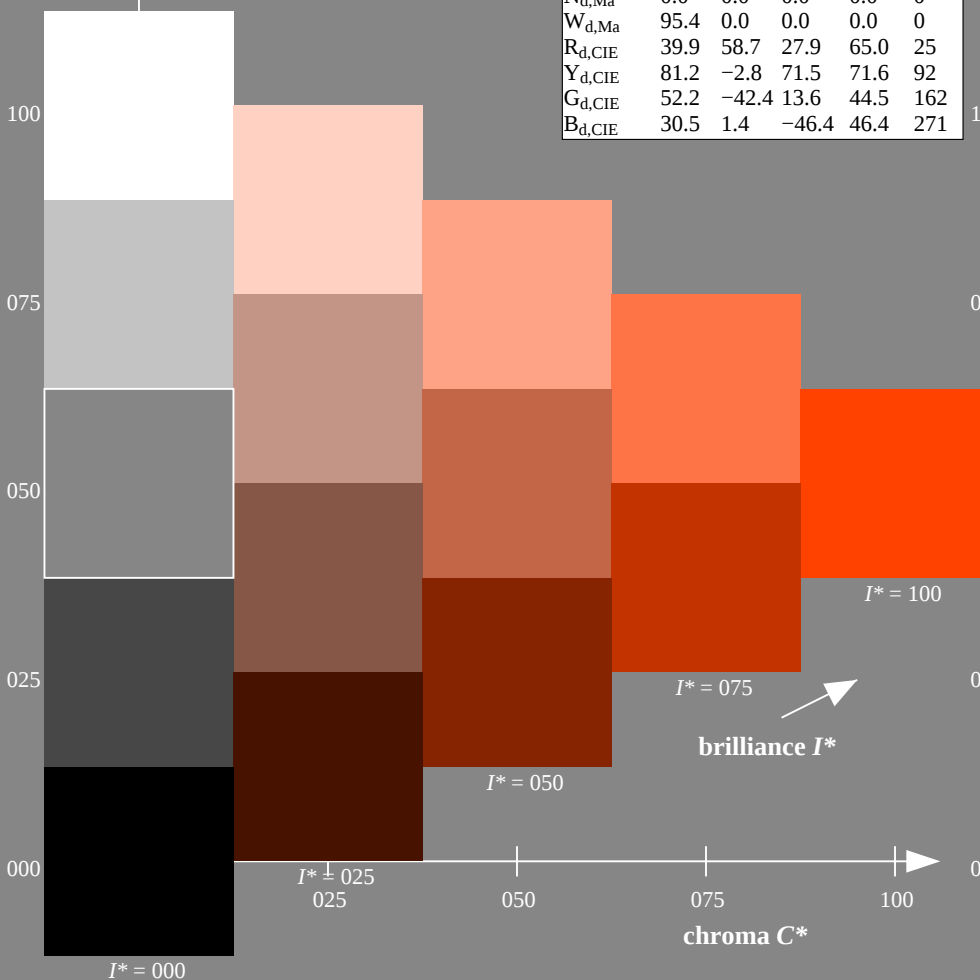
% Regularity

$g^*_{H,rel} = 19$

$g^*_{C,rel} = 37$

TLS00a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 _d	50.4	76.9	64.5	100.4	40
R25Y_100_100 _d	53.7	67.6	65.8	94.4	44
R50Y_100_100 _d	63.6	41.3	71.0	82.2	59
R75Y_100_100 _d	78.2	7.8	80.6	81.0	84
Y00G_100_100 _d	92.6	-20.7	90.7	93.0	102
Y25G_100_100 _d	88.7	-43.3	86.2	96.5	116
Y50G_100_100 _d	85.7	-65.2	82.4	105.1	128
Y75G_100_100 _d	84.0	-78.7	80.4	112.5	134
G00B_100_100 _d	83.6	-82.7	79.8	115.0	136
G25B_100_100 _d	84.3	-73.7	44.9	86.4	148
G50B_100_100 _d	86.8	-46.1	-13.5	48.1	196
G75B_100_100 _d	51.7	18.3	-68.3	70.7	285
B00R_100_100 _d	30.3	76.0	-103.5	128.5	306
B25R_100_100 _d	38.5	79.8	-89.7	120.0	311
B50R_100_100 _d	57.2	94.3	-58.4	110.9	328
B75R_100_100 _d	52.0	81.1	4.1	81.2	2



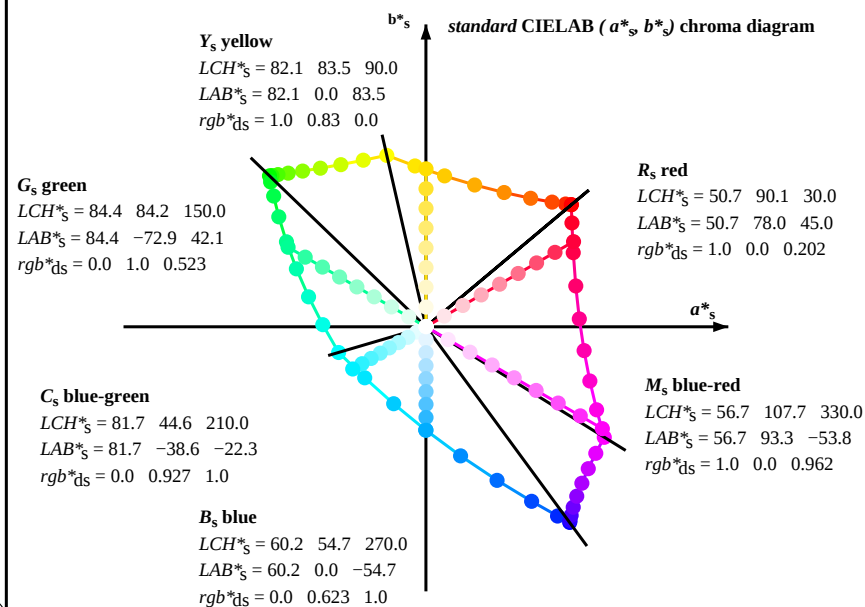
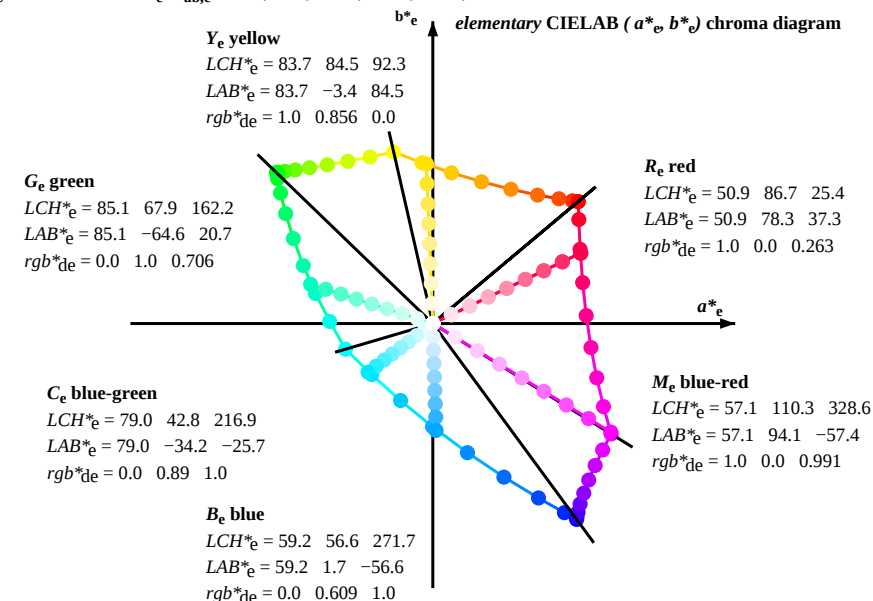
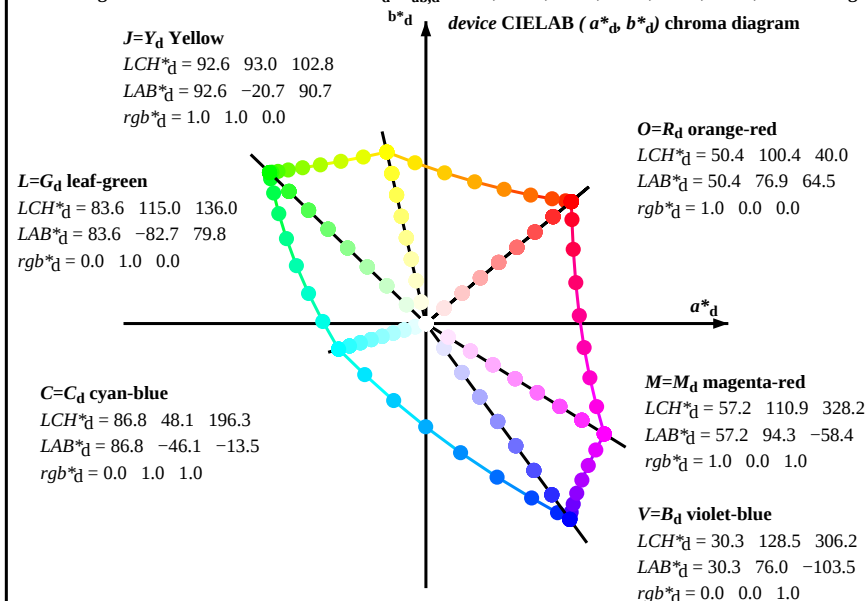
TUB-test chart QE01; hue code: $H^*_d=R25Y_d$
Test chart according to DIN 33872, 3D=0, de=0, sRGB

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

TUB registration: 20130201-QE01/QE01L0NA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



Notes to the CIELAB chroma diagrams (a^*_d, b^*_d), (a^*_s, b^*_s), (a^*_e, b^*_e)

- For the rgb^*_e -input values the CIELAB data LCH^*_e and LAB^*_e have been calculated.
- For the calculation of the standard hue angle $h_{ab,s}$ use for any device values rgb^*_e the equation:
$$h_{ab,s} = \text{atan} [r^*_d \cos(30) + g^*_d \cos(150)] / [r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270)] \quad (1)$$
- For the 48 or 360 equally spaced standard hue angles $h_{ab,s}$ of the colours of maximum chroma use the seven hue angles of the 60 degree colours s : $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:
$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- For the 48 or 360 elementary hue angles $h_{ab,e}$ of the colours of maximum chroma use the seven hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- For any elementary hue angle $h_{ab,e}$ there is a well defined device hue angle $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4.
- The values rgb^*_e produce the output of the device-independent elementary hues

1-003230-L0 QE010-70 LAB*La0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 3/29

TUB-test chart QE01; hue code: $H^*_d=R25Y_d$
48 step hue circles; $rgb-LabCh^*$ -tables

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

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	$LAB^*_{ddx64M}(x=LabCh)$	$rgb^*_{ddx361M}$	$LAB^*_{ddx361M}(x=LabCh)$	$rgb^*_{dsx361M}$	$LAB^*_{dsx361M}(x=LabCh)$	$rgb^*_{dex361M}$	$LAB^*_{dex361M}$
40.0	30.0	25.4	1.0	0.0	0.0	50.4	76.9	64.5	100.4	40.0
41.3	37.5	33.8	1.0	0.125	0.0	51.5	73.9	64.9	98.3	41.3
44.6	45.0	42.1	1.0	0.25	0.0	54.0	66.7	65.9	93.8	44.6
50.7	52.5	50.5	1.0	0.375	0.0	58.2	55.4	67.9	87.7	50.7
59.7	60.0	58.8	1.0	0.5	0.0	63.6	41.3	71.0	82.2	59.7
71.0	67.5	67.2	1.0	0.625	0.0	70.1	25.7	75.0	79.3	71.0
82.9	75.0	75.6	1.0	0.75	0.0	77.2	9.8	79.7	80.4	82.9
93.8	82.5	83.9	1.0	0.875	0.0	84.8	-5.7	85.0	85.2	93.8
102.8	90.0	92.3	1.0	1.0	0.0	92.6	-20.7	90.7	93.0	102.8
110.5	97.5	101.0	0.875	1.0	0.0	90.4	-33.1	88.1	94.1	110.5
117.6	105.0	109.7	0.75	1.0	0.0	88.5	-44.9	85.8	96.8	117.6
123.6	112.5	118.5	0.625	1.0	0.0	86.9	-55.8	83.9	100.7	123.6
128.3	120.0	127.2	0.5	1.0	0.0	85.7	-65.2	82.4	105.1	128.3
131.8	127.5	136.0	0.375	1.0	0.0	84.7	-72.8	81.2	109.1	131.8
134.1	135.0	144.7	0.25	1.0	0.0	84.1	-78.2	80.5	112.2	134.1
135.5	142.5	153.4	0.125	1.0	0.0	83.7	-81.4	80.0	114.2	135.5
136.0	150.0	162.2	0.0	1.0	0.0	83.6	-82.7	79.8	115.0	136.0
137.0	157.5	169.0	0.0	1.0	0.125	83.6	-82.1	76.6	112.3	137.0
139.3	165.0	175.9	0.0	1.0	0.25	83.8	-80.5	69.1	106.1	139.3
143.2	172.5	182.7	0.0	1.0	0.375	84.0	-77.8	58.1	97.1	143.2
148.6	180.0	189.6	0.0	1.0	0.5	84.3	-73.7	44.9	86.4	148.6
155.8	187.5	196.4	0.0	1.0	0.625	84.7	-68.5	30.6	75.0	155.8
165.6	195.0	203.2	0.0	1.0	0.75	85.3	-62.0	15.9	64.0	165.6
178.8	202.5	210.1	0.0	1.0	0.875	86.0	-54.5	1.0	54.5	178.8
196.3	210.0	216.9	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1	196.3
219.8	217.5	223.8	0.0	0.875	1.0	77.9	-32.3	-27.0	42.1	219.8
247.2	225.0	230.6	0.0	0.75	1.0	69.1	-17.0	-40.7	44.1	247.2
269.8	232.5	237.5	0.0	0.625	1.0	60.3	-0.1	-54.6	54.6	269.8
285.0	240.0	244.3	0.0	0.5	1.0	51.7	18.3	-68.3	70.7	285.0
294.8	247.5	251.2	0.0	0.375	1.0	43.8	37.6	-81.2	89.5	294.8
301.1	255.0	258.0	0.0	0.25	1.0	37.1	55.9	-92.3	107.9	301.1
304.8	262.5	264.8	0.0	0.125	1.0	32.4	69.5	-100.0	121.8	304.8
306.2	270.0	271.7	0.0	0.0	1.0	30.3	76.0	-103.5	128.5	306.2
306.6	277.5	278.8	0.125	0.0	1.0	31.0	76.2	-102.4	127.7	306.6
307.5	285.0	285.9	0.25	0.0	1.0	32.6	76.8	-99.8	125.9	307.5
309.2	292.5	293.0	0.375	0.0	1.0	35.1	77.9	-95.5	123.3	309.2
311.6	300.0	300.1	0.5	0.0	1.0	38.5	79.8	-89.7	120.0	311.6
314.8	307.5	307.2	0.625	0.0	1.0	42.7	82.5	-82.7	116.8	314.8
318.8	315.0	314.3	0.75	0.0	1.0	47.2	85.8	-75.1	114.0	318.8
323.3	322.5	321.4	0.875	0.0	1.0	52.1	89.8	-66.9	112.0	323.3
328.2	330.0	328.6	1.0	0.0	1.0	57.2	94.3	-58.4	110.9	328.2
334.0	337.5	335.7	1.0	0.0	0.875	55.6	90.3	-43.9	100.4	334.0
341.6	345.0	342.8	1.0	0.0	0.75	54.2	86.7	-28.6	91.3	341.6
351.4	352.5	349.9	1.0	0.0	0.625	53.0	83.6	-12.6	84.6	351.4
362.9	360.0	357.0	1.0	0.0	0.5	52.0	81.1	4.1	81.2	362.9
375.2	367.5	364.1	1.0	0.0	0.375	51.3	79.2	21.6	82.1	375.2
386.7	375.0	371.2	1.0	0.0	0.25	50.8	77.9	39.2	87.2	386.7
395.4	382.5	378.3	1.0	0.0	0.125	50.6	77.2	54.9	94.8	395.4
400.0	390.0	385.4	1.0	0.0	0.0	50.4	76.9	64.5	100.4	400.0

1-003330-L0 QE010-70 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 4/29

TUB-test chart QE01; hue code: $H^*_d=R25Y_d$
48 step hue circles; $rgb-LabCh$ *tables

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

TUB registration: 20130201-QE01/QE01L0NA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	$LAB^*_{ddx64M} (x=LabCh)$	$rgb^*_{dex361M}$	$LAB^*_{dex361M}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}														
40.0	30.0	25.4	1.0	0.0	0.0	50.4	76.9	64.5	100.4	40.0	40.0	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25				
41.3	37.5	33.8	1.0	0.125	0.0	51.5	73.9	64.9	98.3	41.3	41.3	1.0	0.0	0.156	50.7	77.7	51.0	92.9	33				
44.6	45.0	42.1	1.0	0.25	0.0	54.0	66.7	65.9	93.8	44.6	44.6	1.0	0.0	0.157	0.0	52.2	72.0	65.3	97.2	42			
50.7	52.5	50.5	1.0	0.375	0.0	58.2	55.4	67.9	87.7	50.7	50.7	1.0	0.0	0.358	0.0	57.7	56.9	67.8	88.6	49			
59.7	60.0	58.8	1.0	0.5	0.0	63.6	41.3	71.0	82.2	59.7	59.7	1.0	0.0	0.488	0.0	63.1	42.8	70.9	82.8	58			
71.0	67.5	67.2	1.0	0.625	0.0	70.1	25.7	75.0	79.3	71.0	71.0	1.0	0.0	0.577	0.0	67.6	31.8	73.9	80.5	66			
82.9	75.0	75.6	1.0	0.75	0.0	77.2	9.8	79.7	80.4	82.9	82.9	1.0	0.0	0.673	0.0	72.8	19.8	77.3	79.8	75			
93.8	82.5	83.9	1.0	0.875	0.0	84.8	-5.7	85.0	85.2	93.8	93.8	1.0	0.0	0.755	0.0	77.5	9.3	80.1	80.6	83			
102.8	90.0	92.3	1.0	1.0	0.0	92.6	-20.7	90.7	93.0	102.8	102.8	1.0	0.0	0.857	0.0	83.7	-3.3	84.5	84.6	92			
110.5	97.5	101.0	0.875	1.0	0.0	90.4	-33.1	88.1	94.1	110.5	110.5	1.0	0.0	0.967	0.0	90.6	-16.4	89.5	91.0	100			
117.6	105.0	109.7	0.75	1.0	0.0	88.5	-44.9	85.8	96.8	117.6	117.6	0.888	1.0	0.0	90.7	-31.7	88.5	94.0	109				
123.6	112.5	118.5	0.625	1.0	0.0	86.9	-55.8	83.9	100.7	123.6	123.6	0.743	1.0	0.0	88.5	-45.4	85.8	97.1	117				
128.3	120.0	127.2	0.5	1.0	0.0	85.7	-65.2	82.4	105.1	128.3	128.3	0.529	1.0	0.0	86.0	-62.9	82.9	104.1	127				
131.8	127.5	136.0	0.375	1.0	0.0	84.7	-72.8	81.2	109.1	131.8	131.8	0.132	1.0	0.0	83.8	-81.2	80.1	114.1	135				
134.1	135.0	144.7	0.25	1.0	0.0	84.1	-78.2	80.5	112.2	134.1	134.1	0.0	1.0	0.41	84.1	-76.8	54.3	94.1	144				
135.5	142.5	153.4	0.125	1.0	0.0	83.7	-81.4	80.0	114.2	135.5	135.5	0.0	1.0	0.573	84.6	-70.9	36.3	79.8	152				
136.0	150.0	162.2	0.0	1.0	0.0	83.6	-82.7	79.8	115.0	136.0	136.0	0.0	1.0	0.706	85.2	-64.6	20.7	67.9	162				
137.0	157.5	169.0	0.0	1.0	0.125	83.6	-82.1	76.6	112.3	137.0	137.0	0.0	1.0	0.778	85.5	-60.6	12.2	61.9	168				
139.3	165.0	175.9	0.0	1.0	0.25	83.8	-80.5	69.1	106.1	139.3	139.3	0.0	1.0	0.847	85.9	-56.4	4.0	56.7	175				
143.2	172.5	182.7	0.0	1.0	0.375	84.0	-77.8	58.1	97.1	143.2	143.2	0.0	1.0	0.9	86.2	-53.2	-2.0	53.3	182				
148.6	180.0	189.6	0.0	1.0	0.5	84.3	-73.7	44.9	86.4	148.6	148.6	0.0	1.0	0.952	86.6	-49.8	-8.3	50.6	189				
155.8	187.5	196.4	0.0	1.0	0.625	84.7	-68.5	30.6	75.0	155.8	155.8	0.0	1.0	0.997	86.9	-46.3	-13.2	48.3	195				
165.6	195.0	203.2	0.0	1.0	0.75	85.3	-62.0	15.9	64.0	165.6	165.6	0.0	0.963	1.0	84.3	-42.5	-18.2	46.4	203				
178.8	202.5	210.1	0.0	1.0	0.875	86.0	-54.5	1.0	54.5	178.8	178.8	0.0	0.929	1.0	81.8	-38.8	-22.1	44.7	209				
196.3	210.0	216.9	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1	196.3	196.3	0.0	0.89	1.0	79.1	-34.2	-25.7	42.9	216				
219.8	217.5	223.8	0.0	0.875	1.0	77.9	-32.3	-27.0	42.1	219.8	219.8	0.0	0.859	1.0	76.9	-30.7	-29.0	42.4	223				
247.2	225.0	230.6	0.0	0.75	1.0	69.1	-17.0	-40.7	44.1	247.2	247.2	0.0	0.826	1.0	74.5	-27.1	-33.1	43.0	230				
269.8	232.5	237.5	0.0	0.625	1.0	60.3	-0.1	-54.6	54.6	269.8	269.8	0.0	0.797	1.0	72.4	-23.5	-36.3	43.4	237				
285.0	240.0	244.3	0.0	0.5	1.0	51.7	18.3	-68.3	70.7	285.0	285.0	0.0	0.763	1.0	70.1	-18.9	-39.5	44.0	244				
294.8	247.5	251.2	0.0	0.375	1.0	43.8	37.6	-81.2	89.5	294.8	294.8	0.0	0.731	1.0	67.8	-15.0	-43.1	45.8	250				
301.1	255.0	258.0	0.0	0.25	1.0	37.1	55.9	-92.3	107.9	301.1	301.1	0.0	0.69	1.0	64.9	-10.1	-48.0	49.2	258				
304.8	262.5	264.8	0.0	0.125	1.0	32.4	69.5	-100.0	121.8	304.8	304.8	0.0	0.655	1.0	62.4	-5.0	-51.8	52.1	264				
306.2	270.0	271.7	0.0	0.0	1.0	30.3	76.0	-103.5	128.5	306.2	306.2	0.0	0.609	1.0	59.3	1.7	-56.5	56.6	271				
306.6	277.5	278.8	0.125	0.0	1.0	31.0	76.2	-102.4	127.7	306.6	306.6	0.0	0.555	1.0	55.5	9.3	-62.9	63.7	278				
307.5	285.0	285.9	0.25	0.0	1.0	32.6	76.8	-99.8	125.9	307.5	307.5	0.0	0.488	1.0	51.0	19.9	-69.6	72.5	285				
309.2	292.5	293.0	0.375	0.0	1.0	35.1	77.9	-95.5	123.3	309.2	309.2	0.0	0.404	1.0	45.7	32.7	-78.5	85.2	292				
311.6	300.0	300.1	0.5	0.0	1.0	38.5	79.8	-89.7	120.0	311.6	311.6	0.0	0.27	1.0	38.2	52.8	-90.6	105.0	300				
314.8	307.5	307.2	0.625	0.0	1.0	42.7	82.5	-82.7	116.8	314.8	314.8	0.0	0.146	0.0	31.3	76.4	-102.0	127.5	306				
318.8	315.0	314.3	0.75	0.0	1.0	47.2	85.8	-75.1	114.0	318.8	318.8	0.0	0.605	0.0	42.1	82.1	-83.8	117.4	314				
323.3	322.5	321.4	0.875	0.0	1.0	52.1	89.8	-66.9	112.0	323.3	323.3	0.0	0.811	0.0	49.7	87.9	-71.0	113.1	321				
328.2	330.0	328.6	1.0	0.0	1.0	57.2	94.3	-58.4	110.9	328.2	328.2	0.0	0.992	0.0	57.2	94.2	-57.4	110.3	328				
334.0	337.5	335.7	1.0	0.0	0.875	55.6	90.3	-43.9	100.4	334.0	334.0	0.0	0.856	0.0	55.4	89.9	-41.4	99.0	335				
341.6	345.0	342.8	1.0	0.0	0.75	54.2	86.7	-28.6	91.3	341.6	341.6	0.0	0.735	0.0	54.1	86.5	-26.6	90.6	342				
351.4	352.5	349.9	1.0	0.0	0.625	53.0	83.6	-12.6	84.6	351.4	351.4	0.0	0.65	0.0	53.3	84.5	-15.6	86.0	349				
362.9	360.0	357.0	1.0	0.0	0.5	52.0	81.1	4.1	81.2	362.9	362.9	0.0	0.618	0.0	53.0	83.6	-11.6	84.4	352				
375.2	367.5	364.1	1.0	0.0	0.375	51.3	79.2	21.6	82.1	375.2	375.2	0.0	0.533	0.0	52.3	82.2	-0.1	82.2	359				
386.7	375.0	371.2	1.0	0.0	0.25	50.8	77.9	39.2	87.2	386.7	386.7	0.0	0.441	0.0	51.7	80.7	12.5	81.7	368				
395.4	382.5	378.3	1.0	0.0	0.125	50.6	77.2	54.9	94.8	395.4	395.4	0.0	0.361	0.0	51.3	79.3	23.6	82.8	376				
400.0	390.0	385.4	1.0	0.0	0.0	50.4	76.9	64.5	100.4	400.0	400.0	0.0	0.263	0.0	50.9	78.3	37.3	86.7	385				

TUB registration: 20130201-QE01/QE01L0NA.TXT /.PS
application for measurement of display output, no separation

TUB material: code=rh4ta

Output: sRGB standard device; no separation, D65, page 6/29

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

—see similar files: <http://130.149.60.45/~farbmietrik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmietrik>

Data of Maximum color M in colorimetric system sRGB standard device; no separation, 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 $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

h_{ab} , $h_{ab,s}$, $h_{ab,e}$, rgb^*_{dd361M} , $LAB^*_{dxd361Mi}$ (x=LabCh)										$rgb^*_{ds361Mi}$, $LAB^*_{dsx361Mi}$ (x=LabCh)										$rgb^*_{dd361Mi}$, $LAB^*_{dex361Mi}$ (x=LabCh)										$rgb^*_{dd361Mi}$, $LAB^*_{dex361Mi}$ (x=LabCh)									
82	75	75	1.0	0.75	0.0	77.2	9.8	79.7	80.4	82	1.0	0.667	0.0	72.5	20.6	77.0	79.7	75	1.0	0.75	0.0	1.0	0.673	0.0	72.8	19.8	77.3	79.8	75	1.0	0.75	0.0							
84	76	76	1.0	0.766	0.0	78.2	7.8	80.6	81.0	84	1.0	0.677	0.0	73.1	19.3	77.4	79.8	76	1.0	0.767	0.0	1.0	0.685	0.0	73.5	18.3	77.7	79.9	76	1.0	0.767	0.0							
85	77	77	1.0	0.783	0.0	79.2	5.8	81.4	81.7	85	1.0	0.688	0.0	73.7	18.0	77.8	79.9	77	1.0	0.783	0.0	1.0	0.696	0.0	74.2	16.9	78.2	80.0	77	1.0	0.783	0.0							
87	78	78	1.0	0.8	0.0	80.2	3.8	82.2	82.3	87	1.0	0.698	0.0	74.3	16.6	78.2	80.0	78	1.0	0.8	0.0	1.0	0.708	0.0	74.8	15.3	78.6	80.1	78	1.0	0.8	0.0							
88	79	80	1.0	0.816	0.0	81.2	1.7	82.9	83.0	88	1.0	0.708	0.0	74.9	15.3	78.6	80.1	79	1.0	0.817	0.0	1.0	0.72	0.0	75.5	13.8	78.9	80.1	80	1.0	0.817	0.0							
90	80	81	1.0	0.833	0.0	82.2	-0.3	83.6	83.6	90	1.0	0.719	0.0	75.5	13.9	78.9	80.1	80	1.0	0.833	0.0	1.0	0.731	0.0	76.2	12.3	79.3	80.2	81	1.0	0.833	0.0							
91	81	82	1.0	0.85	0.0	83.3	-2.5	84.2	84.3	91	1.0	0.729	0.0	76.1	12.6	79.2	80.2	81	1.0	0.85	0.0	1.0	0.743	0.0	76.8	10.8	79.6	80.3	82	1.0	0.85	0.0							
93	82	83	1.0	0.866	0.0	84.3	-4.6	84.8	84.9	93	1.0	0.74	0.0	76.7	11.2	79.5	80.3	82	1.0	0.867	0.0	1.0	0.755	0.0	77.5	9.3	80.1	80.6	83	1.0	0.867	0.0							
94	83	84	1.0	0.883	0.0	85.3	-6.7	85.5	85.8	94	1.0	0.75	0.0	77.3	9.8	79.8	80.4	83	1.0	0.883	0.0	1.0	0.768	0.0	78.3	7.8	80.7	81.1	84	1.0	0.883	0.0							
95	84	85	1.0	0.9	0.0	86.3	-8.5	86.4	86.8	95	1.0	0.762	0.0	78.0	8.5	80.4	80.9	84	1.0	0.9	0.0	1.0	0.78	0.0	79.1	6.2	81.4	81.6	85	1.0	0.9	0.0							
96	85	86	1.0	0.916	0.0	87.4	-10.5	87.2	87.8	96	1.0	0.773	0.0	78.7	7.1	81.0	81.3	85	1.0	0.917	0.0	1.0	0.793	0.0	79.9	4.7	82.0	82.1	86	1.0	0.917	0.0							
98	86	87	1.0	0.933	0.0	88.4	-12.4	88.0	88.9	98	1.0	0.785	0.0	79.3	5.7	81.6	81.8	86	1.0	0.933	0.0	1.0	0.806	0.0	80.6	3.1	82.5	82.6	87	1.0	0.933	0.0							
99	87	88	1.0	0.95	0.0	89.5	-14.4	88.7	89.9	99	1.0	0.796	0.0	80.0	4.3	82.1	82.2	87	1.0	0.95	0.0	1.0	0.819	0.0	81.4	1.5	83.1	83.1	88	1.0	0.95	0.0							
100	88	90	1.0	0.966	0.0	90.5	-16.5	89.4	91.0	100	1.0	0.808	0.0	80.7	2.9	82.6	82.7	88	1.0	0.967	0.0	1.0	0.831	0.0	82.2	0.0	83.6	83.6	90	1.0	0.967	0.0							
101	89	91	1.0	0.983	0.0	91.6	-18.5	90.1	92.0	101	1.0	0.819	0.0	81.4	1.5	83.1	83.1	89	1.0	0.983	0.0	1.0	0.844	0.0	83.0	-1.7	84.1	84.1	91	1.0	0.983	0.0							
102	90	92	1.0	1.0	0.0	92.6	-20.7	90.7	93.0	102	Y_d 1.0	0.831	0.0	82.1	0.0	83.5	83.5	90	Y_s 1.0	1.0	0.0	1.0	0.857	0.0	83.7	-3.3	84.5	84.6	92	Y_e 1.0	1.0	0.0							
103	91	93	0.983	1.0	0.0	92.3	-22.3	90.5	93.2	103	1.0	0.842	0.0	82.8	-1.4	84.0	84.0	91	0.983	1.0	0.0	1.0	0.87	0.0	84.5	-5.1	84.9	85.1	93	0.983	1.0	0.0							
104	92	94	0.966	1.0	0.0	92.0	-24.0	90.2	93.3	104	1.0	0.853	0.0	83.5	-2.8	84.4	84.4	92	0.967	1.0	0.0	1.0	0.886	0.0	85.5	-6.9	85.7	85.9	94	0.967	1.0	0.0							
105	93	95	0.95	1.0	0.0	91.7	-25.6	89.9	93.5	105	1.0	0.865	0.0	84.2	-4.3	84.8	84.9	93	0.95	1.0	0.0	1.0	0.902	0.0	86.5	-8.7	86.5	87.0	95	0.95	1.0	0.0							
106	94	96	0.933	1.0	0.0	91.4	-27.3	89.5	93.6	106	1.0	0.877	0.0	84.9	-5.9	85.2	85.4	94	0.933	1.0	0.0	1.0	0.918	0.0	87.5	-10.6	87.3	88.0	96	0.933	1.0	0.0							
108	95	98	0.916	1.0	0.0	91.1	-28.9	89.1	93.7	108	1.0	0.891	0.0	85.8	-7.4	85.9	86.3	95	0.917	1.0	0.0	1.0	0.934	0.0	88.5	-12.5	88.1	89.0	98	0.917	1.0	0.0							
109	96	99	0.9	1.0	0.0	90.8	-30.6	88.7	93.9	109	1.0	0.904	0.0	86.7	-9.0	86.6	87.1	96	0.9	1.0	0.0	1.0	0.951	0.0	89.6	-14.4	88.8	90.0	99	0.9	1.0	0.0							
110	97	100	0.883	1.0	0.0	90.5	-32.2	88.3	94.0	110	1.0	0.918	0.0	87.5	-10.6	87.3	88.0	97	0.883	1.0	0.0	1.0	0.967	0.0	90.6	-16.4	89.5	91.0	100	0.883	1.0	0.0							
111	98	101	0.866	1.0	0.0	90.3	-33.8	88.0	94.3	111	1.0	0.932	0.0	88.4	-12.3	88.0	88.9	98	0.867	1.0	0.0	1.0	0.983	0.0	91.6	-18.5	90.1	92.0	101	0.867	1.0	0.0							
111	99	102	0.85	1.0	0.0	90.0	-35.4	87.7	94.6	111	1.0	0.946	0.0	89.3	-13.9	88.6	89.7	99	0.85	1.0	0.0	1.0	0.999	0.0	92.6	-20.5	90.7	93.0	102	0.85	1.0	0.0							
112	100	103	0.833	1.0	0.0	89.8	-37.0	87.5	95.0	112	1.0	0.96	0.0	90.2	-15.6	89.2	90.6	100	0.833	1.0	0.0	1.0	0.982	1.0	0.0	92.3	-22.4	90.5	93.2	103	0.833	1.0	0.0						
113	101	105	0.816	1.0	0.0	89.5	-38.6	87.2	95.4	113	1.0	0.974	0.0	91.0	-17.4	89.8	91.5	101	0.817	1.0	0.0	1.0	0.963	1.0	0.0	92.0	-24.3	90.2	93.4	105	0.817	1.0	0.0						
114	102	106	0.8	1.0	0.0	89.3	-40.1	86.9	95.7	114	1.0	0.988	0.0	91.9	-19.1	90.3	92.3	102	0.8	1.0	0.0	1.0	0.944	1.0	0.0	91.7	-26.1	89.8	93.6	106	0.8	1.0	0.0						
115	103	107	0.783	1.0	0.0	89.0	-41.7	86.6	96.1	115	0.998	1.0	0.0	92.6	-20.8	90.7	93.1	103	0.783	1.0	0.0	1.0	0.926	1.0	0.0	91.3	-28.0	89.4	93.7	107	0.783	1.0	0.0						
116	104	108	0.766	1.0	0.0	88.7	-43.3	86.2	96.5	116	0.981	1.0	0.0	92.3	-22.5	90.5	93.2	104	0.767	1.0	0.0	1.0	0.907	1.0	0.0	91.0	-29.9	89.0	93.9	108	0.767	1.0	0.0						
117	105	109	0.75	1.0	0.0	88.5	-44.9	85.8	96.8	117	0.965	1.0	0.0	92.0	-24.1	90.2	93.4	105	0.75	1.0	0.0	1.0	0.888	1.0	0.0	90.7	-31.7	88.5	94.0	109	0.75	1.0	0.0						
118	106	110	0.733	1.0	0.0	88.3	-46.3	85.6	97.4	118	0.949	1.0	0.0	91.8	-25.7	89.9	93.5	106	0.733	1.0	0.0	1.0	0.868	1.0	0.0	90.3	-33.6	88.0	94.3	110	0.733	1.0	0.0						
119	107	112	0.716	1.0	0.0	88.1	-47.8	85.4	97.9	119	0.933	1.0	0.0	91.5	-27.3	89.6	93.6	107	0.717	1.0	0.0	1.0	0.848	1.0	0.0	90.0	-35.6	87.8	94.7	112	0.717	1.0	0.0						
120	108	113	0.7	1.0	0.0	87.9	-49.2	85.2	98.4	120	0.917	1.0	0.0	91.2	-28.9	89.2	93.8	108	0.7	1.0	0.0	1.0	0.827	1.0	0.0	89.7	-37.5	87.4	95.2	113	0.7	1.0	0.0						
120	109	114	0.683	1.0	0.0	87.6	-50.7	84.9	98.9	120	0.901	1.0	0.0	90.9	-30.5	88.8	93.9	109	0.683	1.0	0.0	1.0	0.806	1.0	0.0	89.4	-39.5	87.1	95.7	114	0.683	1.0	0.0						
121	110	115	0.666	1.0	0.0	87.4	-52.1	84.7	99.4	121	0.884	1.0	0.0	90.6	-32.1	88.4	94.1	110	0.667	1.0	0.0	1.0	0.786	1.0	0.0	89.1	-41.5	86.7	96.1	115	0.667	1.0	0.0						
122	111	116	0.65	1.0	0.0	87.2	-53.6	84.4	100.0	122	0.868	1.0	0.0	90.3	-33.7	88.0	94.3	111	0.65	1.0	0.0	1.0	0.765	1.0	0.0	88.8	-43.4	86.2	96.6	116	0.65	1.0	0.0						
123	112	117	0.633	1.0	0.0	87.0	-55.0	84.1	100.5	123	0.85	1.0	0.0	90.1	-35.4	87.8	94.7	112	0.633	1.0	0.0	1.0	0.743	1.0	0.0	88.5	-45.4	85.8	97.1	117	0.633	1.0	0.0						
123	113	119	0.616	1.0	0.0	86.8	-56.4	83.8	101.0	123	0.832	1.0	0.0	89.8	-37.1	87.5	95.1	113	0.617	1.0	0.0	1.0	0.719	1.0	0.0	88.2	-47.5	85.5	97.9	119	0.617	1.0	0.0						
124	114	120	0.6	1.0	0.0	86.7	-57.6	83.7	101.6	124	0.814	1.0	0.0	89.5	-38.7	87.2	95.5	114	0.6	1.0	0.0	1.0	0.695	1.0	0.0	87.8	-49.6	85.2	98.6	120	0.6	1.0	0.0						
125	1																																						

1-003630-L0	QE010-70	LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0
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Output: sRGB standard device; no separation, D65, page 7/29

TUB-test chart QE01; hue code: $H^*_d=R25Y_d$

input: $rgb/cmyk \rightarrow rgb_d$

48 step hue circles; *rqb-LabCh** tables

output: transfer to rgb_d

TUB registration: 20130201-QE01/QE01L0NA.TXT / PS
+ application for measurement of display output, no separation

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/QE01/QE01L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 8/29

prismatic system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; $RYGBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Lab			d		h _{abs}		rgb*		dd361M		LAB*		dsx361Mi (x=LabCh)		rgb*		ds361Mi		LAB*		dsx361Mi (x=LabCh)		rgb*		dd361Mi		rgb*		de361Mi		LAB*		dex361Mi (x=LabCh)		rgb*		dd361Mi		rgb*		dd		rgb*		ds		rgb*		d					
128	120	127	0.5	1.0	0.0	85.7	-65.2	82.4	105.1	128	0.7	1.0	0.0	87.9	-49.1	85.3	98.4	120	0.5	1.0	0.0	0.529	1.0	0.0	86.0	-62.9	82.9	104.1	127	0.5	1.0	0.0	0.529	1.0	0.0	86.0	-62.9	82.9	104.1	127	0.5	1.0	0.0	0.529	1.0	0.0	86.0	-62.9	82.9	104.1	127			
128	121	128	0.483	1.0	0.0	85.5	-66.2	82.3	105.6	128	0.68	1.0	0.0	87.7	-50.9	84.9	99.1	121	0.483	1.0	0.0	0.498	1.0	0.0	85.7	-65.3	82.4	105.2	128	0.483	1.0	0.0	0.498	1.0	0.0	85.7	-65.3	82.4	105.2	128	0.483	1.0	0.0	0.498	1.0	0.0	85.7	-65.3	82.4	105.2	128			
129	122	129	0.466	1.0	0.0	85.4	-67.2	82.1	106.1	129	0.659	1.0	0.0	87.4	-52.8	84.6	99.7	122	0.467	1.0	0.0	0.456	1.0	0.0	85.4	-67.8	82.1	106.5	129	0.467	1.0	0.0	0.456	1.0	0.0	85.4	-67.8	82.1	106.5	129	0.467	1.0	0.0	0.456	1.0	0.0	85.4	-67.8	82.1	106.5	129			
129	123	130	0.45	1.0	0.0	85.3	-68.2	82.0	106.7	129	0.638	1.0	0.0	87.1	-54.6	84.2	100.4	123	0.45	1.0	0.0	0.414	1.0	0.0	85.1	-70.3	81.7	107.9	130	0.45	1.0	0.0	0.414	1.0	0.0	85.1	-70.3	81.7	107.9	130	0.45	1.0	0.0	0.414	1.0	0.0	85.1	-70.3	81.7	107.9	130			
130	124	131	0.433	1.0	0.0	85.2	-69.2	81.8	107.2	130	0.615	1.0	0.0	86.9	-56.5	83.9	101.1	124	0.433	1.0	0.0	0.372	1.0	0.0	84.7	-72.9	81.3	109.2	131	0.433	1.0	0.0	0.372	1.0	0.0	84.7	-72.9	81.3	109.2	131	0.433	1.0	0.0	0.372	1.0	0.0	84.7	-72.9	81.3	109.2	131			
130	125	133	0.416	1.0	0.0	85.0	-70.2	81.7	107.8	130	0.589	1.0	0.0	86.6	-58.4	83.6	102.1	125	0.417	1.0	0.0	0.309	1.0	0.0	84.4	-75.6	80.9	110.8	133	0.417	1.0	0.0	0.309	1.0	0.0	84.4	-75.6	80.9	110.8	133	0.417	1.0	0.0	0.309	1.0	0.0	84.4	-75.6	80.9	110.8	133			
131	126	134	0.4	1.0	0.0	84.9	-71.3	81.5	108.3	131	0.562	1.0	0.0	86.3	-60.4	83.3	103.0	126	0.4	1.0	0.0	0.244	1.0	0.0	84.1	-78.3	80.5	112.4	134	0.4	1.0	0.0	0.244	1.0	0.0	84.1	-78.3	80.5	112.4	134	0.4	1.0	0.0	0.244	1.0	0.0	84.1	-78.3	80.5	112.4	134			
131	127	135	0.383	1.0	0.0	84.8	-72.3	81.3	108.8	131	0.536	1.0	0.0	86.1	-62.4	83.0	103.9	127	0.383	1.0	0.0	0.132	1.0	0.0	83.8	-81.2	80.1	114.1	135	0.383	1.0	0.0	0.132	1.0	0.0	83.8	-81.2	80.1	114.1	135	0.383	1.0	0.0	0.132	1.0	0.0	83.8	-81.2	80.1	114.1	135			
132	128	136	0.366	1.0	0.0	84.7	-73.2	81.2	109.3	132	0.51	1.0	0.0	85.8	-64.4	82.6	104.8	128	0.367	1.0	0.0	0.1	1.0	0.0	0.073	83.7	-82.3	78.0	113.5	136	0.367	1.0	0.0	0.1	1.0	0.0	0.073	83.7	-82.3	78.0	113.5	136	0.367	1.0	0.0	0.1	1.0	0.0	0.073	83.7	-82.3	78.0	113.5	136
132	129	137	0.35	1.0	0.0	84.6	-73.9	81.1	109.7	132	0.477	1.0	0.0	85.5	-66.5	82.3	105.8	129	0.35	1.0	0.0	0.0	1.0	0.0	0.165	83.7	-81.6	74.2	110.4	137	0.35	1.0	0.0	0.0	1.0	0.0	0.165	83.7	-81.6	74.2	110.4	137	0.35	1.0	0.0	0.165	83.7	-81.6	74.2	110.4	137			
132	130	138	0.333	1.0	0.0	84.5	-74.6	81.0	110.1	132	0.442	1.0	0.0	85.3	-68.7	82.0	107.0	130	0.333	1.0	0.0	0.0	1.0	0.0	0.227	83.8	-80.8	70.5	107.3	138	0.333	1.0	0.0	0.0	1.0	0.0	0.227	83.8	-80.8	70.5	107.3	138	0.333	1.0	0.0	0.227	83.8	-80.8	70.5	107.3	138			
132	131	140	0.316	1.0	0.0	84.4	-75.3	80.9	110.6	132	0.406	1.0	0.0	85.0	-70.9	81.6	108.1	131	0.317	1.0	0.0	0.0	1.0	0.0	0.273	83.8	-80.0	67.0	104.5	140	0.317	1.0	0.0	0.0	1.0	0.0	0.273	83.8	-80.0	67.0	104.5	140	0.317	1.0	0.0	0.273	83.8	-80.0	67.0	104.5	140			
133	132	141	0.3	1.0	0.0	84.3	-76.0	80.8	111.0	133	0.368	1.0	0.0	84.7	-73.1	81.2	109.3	132	0.3	1.0	0.0	0.0	1.0	0.0	0.311	83.9	-79.3	63.7	101.8	141	0.3	1.0	0.0	0.0	1.0	0.0	0.311	83.9	-79.3	63.7	101.8	141	0.3	1.0	0.0	0.311	83.9	-79.3	63.7	101.8	141			
133	133	142	0.283	1.0	0.0	84.2	-76.8	80.7	111.4	133	0.314	1.0	0.0	84.5	-75.4	80.9	110.7	133	0.283	1.0	0.0	0.0	1.0	0.0	0.349	84.0	-78.4	60.4	99.0	142	0.283	1.0	0.0	0.0	1.0	0.0	0.349	84.0	-78.4	60.4	99.0	142	0.283	1.0	0.0	0.349	84.0	-78.4	60.4	99.0	142			
133	134	143	0.266	1.0	0.0	84.2	-77.5	80.6	111.8	133	0.261	1.0	0.0	84.2	-77.7	80.6	112.0	134	0.267	1.0	0.0	0.0	1.0	0.0	0.383	84.0	-77.5	57.3	96.4	143	0.267	1.0	0.0	0.0	1.0	0.0	0.383	84.0	-77.5	57.3	96.4	143	0.267	1.0	0.0	0.383	84.0	-77.5	57.3	96.4	143			
134	135	144	0.25	1.0	0.0	84.1	-78.2	80.5	112.2	134	0.173	1.0	0.0	83.9	-80.2	80.3	113.5	135	0.25	1.0	0.0	0.0	1.0	0.0	0.41	84.1	-76.8	54.3	94.1	144	0.25	1.0	0.0	0.0	1.0	0.0	0.41	84.1	-76.8	54.3	94.1	144	0.25	1.0	0.0	0.41	84.1	-76.8	54.3	94.1	144			
134	136	145	0.233	1.0	0.0	84.0	-78.7	80.4	112.5	134	0.004	1.0	0.0	83.6	-82.6	79.9	115.0	136	0.233	1.0	0.0	0.0	1.0	0.0	0.437	84.2	-75.9	51.5	91.8	145	0.233	1.0	0.0	0.0	1.0	0.0	0.437	84.2	-75.9	51.5	91.8	145	0.233	1.0	0.0	0.437	84.2	-75.9	51.5	91.8	145			
134	137	147	0.216	1.0	0.0	84.0	-79.1	80.4	112.8	134	0.0	1.0	0.125	83.7	-82.1	76.6	112.3	137	0.217	1.0	0.0	0.0	1.0	0.0	0.464	84.2	-75.0	48.7	89.5	147	0.217	1.0	0.0	0.0	1.0	0.0	0.464	84.2	-75.0	48.7	89.5	147	0.217	1.0	0.0	0.464	84.2	-75.0	48.7	89.5	147			
134	138	148	0.2	1.0	0.0	83.9	-79.5	80.3	113.0	134	0.0	1.0	0.178	83.7	-81.4	73.4	109.7	138	0.2	1.0	0.0	0.0	1.0	0.0	0.491	84.3	-74.1	45.9	87.2	148	0.2	1.0	0.0	0.0	1.0	0.0	0.491	84.3	-74.1	45.9	87.2	148	0.2	1.0	0.0	0.491	84.3	-74.1	45.9	87.2	148			
134	139	149	0.183	1.0	0.0	83.9	-79.9	80.2	113.3	134	0.0	1.0	0.231	83.8	-80.7	70.3	107.1	139	0.183	1.0	0.0	0.0	1.0	0.0	0.513	84.4	-73.3	43.4	85.2	149	0.183	1.0	0.0	0.0	1.0	0.0	0.513	84.4	-73.3	43.4	85.2	149	0.183	1.0	0.0	0.513	84.4	-73.3	43.4	85.2	149			
135	140	150	0.166	1.0	0.0	83.8	-80.4	80.2	113.5	135	0.0	1.0	0.271	83.8	-80.1	67.3	104.7	140	0.167	1.0	0.0	0.0	1.0	0.0	0.533	84.5	-72.5	41.0	83.4	150	0.167	1.0	0.0	0.0	1.0	0.0	0.533	84.5	-72.5	41.0	83.4	150	0.167	1.0	0.0	0.533	84.5	-72.5	41.0	83.4	150			
135	141	151	0.15	1.0	0.0	83.8	-80.8	80.1	113.8	135	0.0	1.0	0.303	83.9	-79.4	64.4	102.3	141	0.15	1.0	0.0	0.0	1.0	0.0	0.553	84.5	-71.7	38.6	81.6	151	0.15	1.0	0.0	0.0	1.0	0.0	0.553	84.5	-71.7	38.6	81.6	151	0.15	1.0	0.0	0.553	84.5	-71.7	38.6	81.6	151			
135	142	152	0.133	1.0	0.0	83.7	-81.2	80.1	114.1	135	0.0	1.0	0.335	83.9	-78.7	61.6	100.0	142	0.133	1.0	0.0	0.0	1.0	0.0	0.573	84.6	-70.9	36.3	79.8	152	0.133	1.0	0.0	0.0	1.0	0.0	0.573	84.6	-70.9	36.3	79.8	152	0.133	1.0	0.0	0.573	84.6	-70.9	36.3	79.8	152			
135	143	154	0.116	1.0	0.0	83.7	-81.5	80.0	114.2	135	0.0	1.0	0.368	84.0	-77.9	58.8	97.7	143	0.117	1.0	0.0	0.0	1.0	0.0	0.593	84.7	-70.0	34.1	77.9	154	0.117	1.0	0.0	0.0	1.0	0.0	0.593	84.7	-70.0	34.1	77.9	154	0.117	1.0	0.0	0.593	84.7	-70.0	34.1	77.9	154			
135	144	155	0.1	1.0	0.0	83.7	-81.7	80.0	114.4	135	0.0	1.0	0.393	84.1	-77.3	56.2	95.6	144	0.1	1.0	0.0	0.0	1.0	0.0	0.614	84.7	-69.0	31.9	76.1	155	0.1	1.0	0.0	0.0	1.0	0.0	0.614	84.7	-69.0	31.9	76.1	155	0.1	1.0	0.0	0.614	84.7	-69.0	31.9	76.1	155			
135	145	156	0.083	1.0	0.0	83.7	-81.9	80.0	114.5	135	0.0	1.0	0.416	84.1	-76.6	53.7	93.6	145	0.083	1.0	0.0	0.0	1.0	0.0	0.631	84.8	-68.2	29.8	74.5	156	0.083	1.0	0.0	0.0	1.0	0.0	0.631	84.8	-68.2	29.8	74.5	156	0.083	1.0	0.0	0.631	84.8	-68.2	29.8	74.5	156			
135	146	157	0.066	1.0	0.0	83.7	-82.0	79.9	114.6	135	0.0	1.0	0.439	84.2	-75.9	51.3	91.7	146	0.067	1.0	0.0	0																																

QE010-70	LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0
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Output: sRGB standard device; no separation, D65, page 8/29

TUB-test chart QE01; hue code: $H^*_d=R25Y_d$
48 step hue circles; $rgb-LabCh^*$ tables

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

TUB registration: 20130201-QE01/QE01L0NA.TXT/.PS
 application for measurement of display output, no separation

TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmeterik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmeterik>

see similar files: <http://130.149.60.45/~farbmetr/kQE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetr/k>

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM _s : h _{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM _d : h _{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM _e : 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* dd361M	LAB* ddx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi
139	165	175	0.0	1.0	0.25	83.8	-80.5	69.1	106.1	139	0.0	1.0	0.25	83.8	-80.5	69.1	106.1
139	166	176	0.0	1.0	0.266	83.8	-80.2	67.6	104.9	139	0.0	1.0	0.267	83.8	-80.2	67.6	104.9
140	167	177	0.0	1.0	0.283	83.8	-79.9	66.1	103.7	140	0.0	1.0	0.283	83.8	-79.9	66.1	103.7
140	168	178	0.0	1.0	0.3	83.8	-79.6	64.6	102.5	140	0.0	1.0	0.3	83.8	-79.6	64.6	102.5
141	169	179	0.0	1.0	0.316	83.9	-79.2	63.1	101.3	141	0.0	1.0	0.317	83.9	-79.2	63.1	101.3
141	170	180	0.0	1.0	0.333	83.9	-78.8	61.7	100.1	141	0.0	1.0	0.333	83.9	-78.8	61.7	100.1
142	171	181	0.0	1.0	0.35	83.9	-78.4	60.2	98.9	142	0.0	1.0	0.35	83.9	-78.4	60.2	98.9
142	172	182	0.0	1.0	0.366	84.0	-78.0	58.8	97.7	142	0.0	1.0	0.367	84.0	-78.0	58.8	97.7
143	173	183	0.0	1.0	0.383	84.0	-77.6	57.2	96.4	143	0.0	1.0	0.383	84.0	-77.6	57.2	96.4
144	174	184	0.0	1.0	0.4	84.0	-77.1	55.4	94.9	144	0.0	1.0	0.4	84.0	-77.1	55.4	94.9
145	175	185	0.0	1.0	0.416	84.1	-76.6	53.6	93.5	145	0.0	1.0	0.417	84.1	-76.6	53.6	93.5
145	176	185	0.0	1.0	0.433	84.1	-76.1	51.8	92.1	145	0.0	1.0	0.433	84.1	-76.1	51.8	92.1
146	177	186	0.0	1.0	0.45	84.2	-75.6	50.0	90.6	146	0.0	1.0	0.45	84.2	-75.6	50.0	90.6
147	178	187	0.0	1.0	0.466	84.2	-75.0	48.3	89.2	147	0.0	1.0	0.467	84.2	-75.0	48.3	89.2
147	179	188	0.0	1.0	0.483	84.3	-74.4	46.6	87.8	147	0.0	1.0	0.483	84.3	-74.4	46.6	87.8
148	180	189	0.0	1.0	0.5	84.3	-73.7	44.9	86.4	148	0.0	1.0	0.5	84.3	-73.7	44.9	86.4
149	181	190	0.0	1.0	0.516	84.4	-73.2	42.9	84.8	149	0.0	1.0	0.517	84.4	-73.2	42.9	84.8
150	182	191	0.0	1.0	0.533	84.4	-72.6	40.9	83.3	150	0.0	1.0	0.533	84.4	-72.6	40.9	83.3
151	183	192	0.0	1.0	0.55	84.5	-71.9	39.0	81.8	151	0.0	1.0	0.55	84.5	-71.9	39.0	81.8
152	184	193	0.0	1.0	0.566	84.5	-71.2	37.0	80.3	152	0.0	1.0	0.567	84.5	-71.2	37.0	80.3
153	185	194	0.0	1.0	0.583	84.6	-70.5	35.2	78.8	153	0.0	1.0	0.583	84.6	-70.5	35.2	78.8
154	186	195	0.0	1.0	0.6	84.6	-69.7	33.3	77.3	154	0.0	1.0	0.6	84.6	-69.7	33.3	77.3
155	187	195	0.0	1.0	0.616	84.7	-68.9	31.5	75.8	155	0.0	1.0	0.617	84.7	-68.9	31.5	75.8
156	188	196	0.0	1.0	0.633	84.8	-68.1	29.5	74.3	156	0.0	1.0	0.633	84.8	-68.1	29.5	74.3
157	189	197	0.0	1.0	0.65	84.8	-67.4	27.4	72.8	157	0.0	1.0	0.65	84.8	-67.4	27.4	72.8
159	190	198	0.0	1.0	0.666	84.9	-66.7	25.4	71.3	159	0.0	1.0	0.667	84.9	-66.7	25.4	71.3
160	191	199	0.0	1.0	0.683	85.0	-65.8	23.4	69.9	160	0.0	1.0	0.683	85.0	-65.8	23.4	69.9
161	192	200	0.0	1.0	0.7	85.1	-65.0	21.4	68.4	161	0.0	1.0	0.7	85.1	-65.0	21.4	68.4
163	193	201	0.0	1.0	0.716	85.2	-64.0	19.5	67.0	163	0.0	1.0	0.717	85.2	-64.0	19.5	67.0
164	194	202	0.0	1.0	0.733	85.2	-63.1	17.6	65.5	164	0.0	1.0	0.733	85.2	-63.1	17.6	65.5
165	195	203	0.0	1.0	0.75	85.3	-62.0	15.9	64.0	165	0.0	1.0	0.75	85.3	-62.0	15.9	64.0
167	196	204	0.0	1.0	0.766	85.4	-61.2	13.7	62.8	167	0.0	1.0	0.767	85.4	-61.2	13.7	62.8
169	197	205	0.0	1.0	0.783	85.5	-60.4	11.5	61.5	169	0.0	1.0	0.783	85.5	-60.4	11.5	61.5
170	198	206	0.0	1.0	0.8	85.6	-59.5	9.5	60.2	170	0.0	1.0	0.8	85.6	-59.5	9.5	60.2
172	199	206	0.0	1.0	0.816	85.7	-58.5	7.5	59.0	172	0.0	1.0	0.817	85.7	-58.5	7.5	59.0
174	200	207	0.0	1.0	0.833	85.8	-57.4	5.5	57.7	174	0.0	1.0	0.833	85.8	-57.4	5.5	57.7
176	201	208	0.0	1.0	0.85	85.9	-56.3	3.7	56.4	176	0.0	1.0	0.85	85.9	-56.3	3.7	56.4
177	202	209	0.0	1.0	0.866	86.0	-55.1	1.9	55.2	177	0.0	1.0	0.867	86.0	-55.1	1.9	55.2
180	203	210	0.0	1.0	0.883	86.1	-54.1	0.0	54.1	180	0.0	1.0	0.883	86.1	-54.1	0.0	54.1
182	204	211	0.0	1.0	0.9	86.2	-53.2	-2.1	53.2	182	0.0	1.0	0.9	86.2	-53.2	-2.1	53.2
184	205	212	0.0	1.0	0.916	86.3	-52.2	-4.2	52.4	184	0.0	1.0	0.917	86.3	-52.2	-4.2	52.4
187	206	213	0.0	1.0	0.933	86.4	-51.1	-6.3	51.5	187	0.0	1.0	0.933	86.4	-51.1	-6.3	51.5
189	207	214	0.0	1.0	0.95	86.5	-50.0	-8.2	50.7	189	0.0	1.0	0.95	86.5	-50.0	-8.2	50.7
191	208	215	0.0	1.0	0.966	86.6	-48.8	-10.1	49.8	191	0.0	1.0	0.967	86.6	-48.8	-10.1	49.8
194	209	216	0.0	1.0	0.983	86.7	-47.5	-11.8	48.9	194	0.0	1.0	0.983	86.7	-47.5	-11.8	48.9
196	210	216	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1	196	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1

1-003830-L0 QE010-70 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 9/29

TUB-test chart QE01; hue code: H*d=R25Yd
48 step hue circles; rgb-LabCh*tables

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

TUB registration: 20130201-QE01/QE01L0NA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$			$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}					$LAB^*_{ds361Mi}(x=LabCh)$					C_d	$rgb^*_{ds361Mi}$					$LAB^*_{ds361Mi}(x=LabCh)$					$210C_s$	$rgb^*_{dd361Mi}$					$rgb^*_{de361Mi}$					$LAB^*_{dex361Mi}(x=LabCh)$					$216C_e$	$rgb^*_{dd361Mi}$					rgb^*_{ad}	rgb^*_{ds}	rgb^*_{de}
196	210	216	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1	196	C_d	0.0	0.927	1.0	81.7	-38.6	-22.2	44.7	210	C_s	0.0	1.0	1.0	0.0	0.89	1.0	79.1	-34.2	-25.7	42.9	216	C_e	0.0	1.0	1.0															
199	211	217	0.0	0.983	1.0	85.6	-44.6	-15.8	47.3	199		0.0	0.922	1.0	81.3	-38.0	-22.8	44.4	211		0.0	0.983	1.0	0.0	0.885	1.0	78.7	-33.6	-26.1	42.7	217	0.0	0.983	1.0																
202	212	218	0.0	0.966	1.0	84.5	-42.9	-17.9	46.5	202		0.0	0.917	1.0	81.0	-37.3	-23.3	44.2	212		0.0	0.967	1.0	0.0	0.881	1.0	78.4	-33.0	-26.5	42.4	218	0.0	0.967	1.0																
205	213	219	0.0	0.95	1.0	83.3	-41.1	-19.8	45.7	205		0.0	0.911	1.0	80.6	-36.7	-23.8	43.9	213		0.0	0.95	1.0	0.0	0.876	1.0	78.0	-32.3	-26.9	42.2	219	0.0	0.95	1.0																
208	214	220	0.0	0.933	1.0	82.1	-39.3	-21.7	44.9	208		0.0	0.906	1.0	80.2	-36.1	-24.3	43.6	214		0.0	0.933	1.0	0.0	0.871	1.0	77.7	-31.9	-27.4	42.2	220	0.0	0.933	1.0																
212	215	221	0.0	0.916	1.0	80.9	-37.4	-23.4	44.1	212		0.0	0.901	1.0	79.8	-35.4	-24.8	43.4	215		0.0	0.917	1.0	0.0	0.867	1.0	77.4	-31.5	-27.9	42.3	221	0.0	0.917	1.0																
215	216	222	0.0	0.9	1.0	79.7	-35.4	-24.9	43.3	215		0.0	0.895	1.0	79.5	-34.8	-25.3	43.1	216		0.0	0.9	1.0	0.0	0.863	1.0	77.2	-31.1	-28.5	42.3	222	0.0	0.9	1.0																
218	217	223	0.0	0.883	1.0	78.5	-33.4	-26.3	42.5	218		0.0	0.89	1.0	79.1	-34.1	-25.7	42.9	217		0.0	0.883	1.0	0.0	0.859	1.0	76.9	-30.7	-29.0	42.4	223	0.0	0.883	1.0																
221	218	224	0.0	0.866	1.0	77.4	-31.5	-28.1	42.2	221		0.0	0.885	1.0	78.7	-33.5	-26.1	42.6	218		0.0	0.867	1.0	0.0	0.855	1.0	76.6	-30.3	-29.6	42.5	224	0.0	0.867	1.0																
225	219	225	0.0	0.85	1.0	76.2	-29.9	-30.2	42.5	225		0.0	0.879	1.0	78.3	-32.8	-26.6	42.4	219		0.0	0.85	1.0	0.0	0.851	1.0	76.3	-29.9	-30.1	42.6	225	0.0	0.85	1.0																
228	220	226	0.0	0.833	1.0	75.0	-28.1	-32.3	42.8	228		0.0	0.874	1.0	77.9	-32.2	-27.0	42.2	220		0.0	0.833	1.0	0.0	0.846	1.0	76.0	-29.4	-30.6	42.6	226	0.0	0.833	1.0																
232	221	227	0.0	0.816	1.0	73.8	-26.1	-34.2	43.1	232		0.0	0.87	1.0	77.6	-31.8	-27.6	42.2	221		0.0	0.817	1.0	0.0	0.842	1.0	75.7	-29.0	-31.1	42.7	227	0.0	0.817	1.0																
236	222	227	0.0	0.8	1.0	72.6	-24.0	-36.0	43.3	236		0.0	0.865	1.0	77.3	-31.3	-28.2	42.3	222		0.0	0.8	1.0	0.0	0.838	1.0	75.4	-28.5	-31.6	42.8	227	0.0	0.8	1.0																
239	223	228	0.0	0.783	1.0	71.4	-21.8	-37.7	43.6	239		0.0	0.861	1.0	77.0	-30.9	-28.8	42.4	223		0.0	0.783	1.0	0.0	0.834	1.0	75.1	-28.1	-32.1	42.8	228	0.0	0.783	1.0																
243	224	229	0.0	0.766	1.0	70.2	-19.5	-39.3	43.9	243		0.0	0.856	1.0	76.7	-30.4	-29.4	42.5	224		0.0	0.767	1.0	0.0	0.83	1.0	74.8	-27.6	-32.6	42.9	229	0.0	0.767	1.0																
247	225	230	0.0	0.75	1.0	69.1	-17.0	-40.7	44.1	247		0.0	0.851	1.0	76.3	-30.0	-30.0	42.5	225		0.0	0.75	1.0	0.0	0.826	1.0	74.5	-27.1	-33.1	43.0	230	0.0	0.75	1.0																
250	226	231	0.0	0.733	1.0	67.9	-15.3	-42.9	45.5	250		0.0	0.847	1.0	76.0	-29.5	-30.6	42.6	226		0.0	0.733	1.0	0.0	0.821	1.0	74.2	-26.6	-33.6	43.0	231	0.0	0.733	1.0																
253	227	232	0.0	0.716	1.0	66.7	-13.5	-44.9	46.9	253		0.0	0.842	1.0	75.7	-29.0	-31.1	42.7	227		0.0	0.717	1.0	0.0	0.817	1.0	73.9	-26.1	-34.1	43.1	232	0.0	0.717	1.0																
256	228	233	0.0	0.7	1.0	65.5	-11.4	-46.9	48.3	256		0.0	0.838	1.0	75.4	-28.5	-31.7	42.8	228		0.0	0.7	1.0	0.0	0.813	1.0	73.6	-25.6	-34.6	43.2	233	0.0	0.7	1.0																
259	229	234	0.0	0.683	1.0	64.4	-9.2	-48.8	49.7	259		0.0	0.833	1.0	75.0	-28.0	-32.2	42.8	229		0.0	0.683	1.0	0.0	0.809	1.0	73.3	-25.1	-35.0	43.2	234	0.0	0.683	1.0																
262	230	235	0.0	0.666	1.0	63.2	-6.8	-50.6	51.1	262		0.0	0.829	1.0	74.7	-27.5	-32.8	42.9	230		0.0	0.667	1.0	0.0	0.805	1.0	73.0	-24.6	-35.5	43.3	235	0.0	0.667	1.0																
265	231	236	0.0	0.65	1.0	62.0	-4.2	-52.3	52.5	265		0.0	0.824	1.0	74.4	-26.9	-33.3	43.0	231		0.0	0.65	1.0	0.0	0.801	1.0	72.7	-24.1	-35.9	43.4	236	0.0	0.65	1.0																
268	232	237	0.0	0.633	1.0	60.9	-1.5	-53.9	53.9	268		0.0	0.82	1.0	74.1	-26.4	-33.8	43.1	232		0.0	0.633	1.0	0.0	0.797	1.0	72.4	-23.5	-36.3	43.4	237	0.0	0.633	1.0																
270	233	237	0.0	0.616	1.0	59.7	0.8	-55.6	55.7	270		0.0	0.815	1.0	73.7	-25.9	-34.3	43.1	233		0.0	0.617	1.0	0.0	0.792	1.0	72.1	-23.0	-36.8	43.5	237	0.0	0.617	1.0																
272	234	238	0.0	0.6	1.0	58.6	2.9	-57.7	57.8	272		0.0	0.81	1.0	73.4	-25.3	-34.9	43.2	234		0.0	0.6	1.0	0.0	0.788	1.0	71.8	-22.4	-37.2	43.6	238	0.0	0.6	1.0																
274	235	239	0.0	0.583	1.0	57.4	5.1	-59.7	59.9	274		0.0	0.806	1.0	73.1	-24.7	-35.4	43.3	235		0.0	0.583	1.0	0.0	0.784	1.0	71.5	-21.8	-37.6	43.6	239	0.0	0.583	1.0																
276	236	240	0.0	0.566	1.0	56.3	7.4	-61.6	62.1	276		0.0	0.801	1.0	72.8	-24.1	-35.8	43.4	236		0.0	0.567	1.0	0.0	0.78	1.0	71.2	-21.3	-38.0	43.7	240	0.0	0.567	1.0																
278	237	241	0.0	0.55	1.0	55.2	10.0	-63.5	64.2	278		0.0	0.797	1.0	72.4	-23.6	-36.3	43.4	237		0.0	0.55	1.0	0.0	0.776	1.0	70.9	-20.7	-38.4	43.8	241	0.0	0.55	1.0																
280	238	242	0.0	0.533	1.0	54.0	12.6	-65.2	66.4	280		0.0	0.792	1.0	72.1	-23.0	-36.8	43.5	238		0.0	0.533	1.0	0.0	0.772	1.0	70.6	-20.1	-38.8	43.8	242	0.0	0.533	1.0																
283	239	243	0.0	0.516	1.0	52.9	15.4	-66.8	68.5	283		0.0	0.788	1.0	71.8	-22.3	-37.2	43.6	239		0.0	0.517	1.0	0.0	0.767	1.0	70.3	-19.5	-39.2	43.9	243	0.0	0.517	1.0																
285	240	244	0.0	0.5	1.0	51.7	18.3	-68.3	70.7	285		0.0	0.783	1.0	71.5	-21.7	-37.7	43.6	240		0.0	0.5	1.0	0.0	0.763	1.0	70.1	-18.9	-39.5	44.0	244	0.0	0.5	1.0																
286	241	245	0.0	0.483	1.0	50.7	20.6	-70.2	73.2	286		0.0	0.779	1.0	71.1	-21.1	-38.1	43.7	241		0.0	0.483	1.0	0.0	0.759	1.0	69.8	-18.3	-39.9	44.0	245	0.0	0.483	1.0																
287	242	246	0.0	0.466	1.0	49.6	22.9	-72.1	75.7																																									

http://130.149.60.45/~farbmetrik/QE01/QE01L0NA.TXT /PS; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 11/29

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	LAB^*_{d361M}	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dex361Mi}$	$LAB^*_{dex361Mi}$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}																				
301	255	258	0.0	0.25	1.0	37.1	55.9	-92.3	107.9	301	0.0	0.707	1.0	66.1	-12.3	-46.0	47.8	255	0.0	0.25	1.0	0.0	0.69	1.0	64.9	-10.1	-48.0	49.2	258	0.0	0.25	1.0		
301	256	258	0.0	0.233	1.0	36.5	57.6	-93.4	109.7	301	0.0	0.702	1.0	65.7	-11.6	-46.7	48.2	256	0.0	0.233	1.0	0.0	0.685	1.0	64.6	-9.4	-48.6	49.6	258	0.0	0.233	1.0		
302	257	259	0.0	0.216	1.0	35.9	59.4	-94.5	111.6	302	0.0	0.696	1.0	65.3	-10.9	-47.3	48.7	257	0.0	0.217	1.0	0.0	0.68	1.0	64.2	-8.7	-49.1	50.0	259	0.0	0.217	1.0		
302	258	260	0.0	0.2	1.0	35.2	61.2	-95.5	113.5	302	0.0	0.691	1.0	64.9	-10.1	-48.0	49.1	258	0.0	0.2	1.0	0.0	0.675	1.0	63.8	-8.0	-49.7	50.4	260	0.0	0.2	1.0		
303	259	261	0.0	0.183	1.0	34.6	63.0	-96.6	115.3	303	0.0	0.685	1.0	64.5	-9.4	-48.6	49.6	259	0.0	0.183	1.0	0.0	0.67	1.0	63.5	-7.2	-50.2	50.9	261	0.0	0.183	1.0		
303	260	262	0.0	0.166	1.0	34.0	64.8	-97.6	117.2	303	0.0	0.679	1.0	64.2	-8.6	-49.2	50.1	260	0.0	0.167	1.0	0.0	0.665	1.0	63.1	-6.5	-50.8	51.3	262	0.0	0.167	1.0		
304	261	263	0.0	0.15	1.0	33.4	66.7	-98.6	119.1	304	0.0	0.674	1.0	63.8	-7.8	-49.8	50.5	261	0.0	0.15	1.0	0.0	0.66	1.0	62.8	-5.7	-51.3	51.7	263	0.0	0.15	1.0		
304	262	264	0.0	0.133	1.0	32.8	68.6	-99.6	120.9	304	0.0	0.668	1.0	63.4	-7.0	-50.4	51.0	262	0.0	0.133	1.0	0.0	0.655	1.0	62.4	-5.0	-51.8	52.1	264	0.0	0.133	1.0		
304	263	265	0.0	0.116	1.0	32.3	70.0	-100.3	122.3	304	0.0	0.663	1.0	63.0	-6.2	-51.0	51.5	263	0.0	0.117	1.0	0.0	0.65	1.0	62.1	-4.2	-52.3	52.5	265	0.0	0.117	1.0		
305	264	266	0.0	0.1	1.0	32.0	70.8	-100.8	122.3	305	0.0	0.657	1.0	62.6	-5.3	-51.5	51.9	264	0.0	0.1	1.0	0.0	0.645	1.0	61.7	-3.4	-52.8	53.0	266	0.0	0.1	1.0		
305	265	267	0.0	0.083	1.0	31.7	71.7	-101.2	124.1	305	0.0	0.652	1.0	62.2	-4.5	-52.1	52.4	265	0.0	0.083	1.0	0.0	0.64	1.0	61.4	-2.5	-53.2	53.4	267	0.0	0.083	1.0		
305	266	268	0.0	0.066	1.0	31.5	72.5	-101.7	124.9	305	0.0	0.646	1.0	61.8	-3.6	-52.6	52.8	266	0.0	0.067	1.0	0.0	0.635	1.0	61.0	-1.7	-53.7	53.8	268	0.0	0.067	1.0		
305	267	269	0.0	0.049	1.0	31.2	73.4	-102.2	125.8	305	0.0	0.641	1.0	61.4	-2.7	-53.1	53.3	267	0.0	0.05	1.0	0.0	0.63	1.0	60.6	-0.8	-54.1	54.2	269	0.0	0.05	1.0		
305	268	269	0.0	0.033	1.0	30.9	74.3	-102.6	126.7	305	0.0	0.635	1.0	61.0	-1.8	-53.6	53.8	268	0.0	0.033	1.0	0.0	0.624	1.0	60.3	0.0	-54.6	54.7	269	0.0	0.033	1.0		
306	269	270	0.0	0.016	1.0	30.6	75.1	-103.1	127.6	306	0.0	0.63	1.0	60.6	-0.8	-54.1	54.2	269	0.0	0.017	1.0	0.0	0.617	1.0	59.8	0.8	-55.6	55.7	270	0.0	0.017	1.0		
306	270	271	0.0	0.0	1.0	30.3	76.0	-103.5	128.5	306	0.0	0.624	1.0	60.2	0.0	-54.7	54.8	270	0.0	0.0	1.0	0.0	0.609	1.0	59.3	1.7	-56.5	56.6	271	0.0	0.0	1.0		
306	271	272	0.016	0.0	1.0	30.4	76.0	-103.4	128.4	306	0.0	0.615	1.0	59.7	1.0	-55.7	55.9	271	0.0	0.017	0.0	1.0	0.0	0.602	1.0	58.7	2.7	-57.5	57.6	272	0.0	0.017	0.0	1.0
306	272	273	0.033	0.0	1.0	30.5	76.1	-103.3	128.3	306	0.0	0.607	1.0	59.1	2.0	-56.8	56.9	272	0.0	0.033	0.0	1.0	0.0	0.594	1.0	58.2	3.7	-58.4	58.6	273	0.0	0.033	0.0	1.0
306	273	274	0.05	0.0	1.0	30.6	76.1	-103.1	128.2	306	0.0	0.599	1.0	58.5	3.0	-57.8	58.0	273	0.0	0.05	0.0	1.0	0.0	0.586	1.0	57.7	4.8	-59.4	59.7	274	0.0	0.05	0.0	1.0
306	274	275	0.066	0.0	1.0	30.7	76.1	-103.0	128.1	306	0.0	0.591	1.0	58.0	4.1	-58.8	59.0	274	0.0	0.067	0.0	1.0	0.0	0.578	1.0	57.1	5.8	-60.3	60.7	275	0.0	0.067	0.0	1.0
306	275	276	0.083	0.0	1.0	30.8	76.2	-102.8	128.0	306	0.0	0.583	1.0	57.4	5.2	-59.8	60.1	275	0.0	0.083	0.0	1.0	0.0	0.57	1.0	56.6	7.0	-61.2	61.7	276	0.0	0.083	0.0	1.0
306	276	277	0.1	0.0	1.0	30.9	76.2	-102.7	127.9	306	0.0	0.574	1.0	56.9	6.4	-60.7	61.2	276	0.1	0.0	1.0	0.0	0.563	1.0	56.1	8.1	-62.0	62.7	277	0.1	0.0	1.0	1.0	
306	277	278	0.116	0.0	1.0	30.9	76.2	-102.5	127.8	306	0.0	0.566	1.0	56.3	7.6	-61.7	62.2	277	0.117	0.0	1.0	0.0	0.555	1.0	55.5	9.3	-62.9	63.7	278	0.117	0.0	1.0	1.0	
306	278	279	0.133	0.0	1.0	31.1	76.3	-102.3	127.6	306	0.0	0.558	1.0	55.7	8.8	-62.6	63.3	278	0.133	0.0	1.0	0.0	0.547	1.0	55.0	10.5	-63.7	64.7	279	0.133	0.0	1.0	1.0	
306	279	280	0.15	0.0	1.0	31.3	76.3	-101.9	127.4	306	0.0	0.55	1.0	55.2	10.1	-63.5	64.3	279	0.15	0.0	1.0	0.0	0.539	1.0	54.5	11.7	-64.5	65.7	280	0.15	0.0	1.0	1.0	
306	280	281	0.166	0.0	1.0	31.5	76.4	-101.6	127.1	306	0.0	0.541	1.0	54.6	11.4	-64.3	65.4	280	0.167	0.0	1.0	0.0	0.531	1.0	53.9	13.0	-65.3	66.7	281	0.167	0.0	1.0	1.0	
307	281	282	0.183	0.0	1.0	31.7	76.5	-101.2	126.9	307	0.0	0.533	1.0	54.1	12.7	-65.1	66.5	281	0.183	0.0	1.0	0.0	0.524	1.0	53.4	14.3	-66.1	67.7	282	0.183	0.0	1.0	1.0	
307	282	283	0.2	0.0	1.0	31.9	76.6	-100.9	126.7	307	0.0	0.525	1.0	53.5	14.0	-66.0	67.5	282	0.2	0.0	1.0	0.0	0.516	1.0	52.9	15.6	-66.8	68.7	283	0.2	0.0	1.0	1.0	
307	283	284	0.216	0.0	1.0	32.1	76.6	-100.5	126.4	307	0.0	0.517	1.0	52.9	15.4	-66.7	68.6	283	0.217	0.0	1.0	0.0	0.508	1.0	52.3	16.9	-67.5	69.7	284	0.217	0.0	1.0	1.0	
307	284	285	0.233	0.0	1.0	32.3	76.7	-100.1	126.2	307	0.0	0.508	1.0	52.4	16.9	-67.5	69.7	284	0.233	0.0	1.0	0.0	0.5	1.0	51.8	18.3	-68.2	70.7	285	0.233	0.0	1.0	1.0	
307	285	285	0.25	0.0	1.0	32.6	76.8	-99.8	125.9	307	0.0	0.5	1.0	51.8	18.3	-68.2	70.7	285	0.25	0.0	1.0	0.0	0.488	1.0	51.0	19.9	-69.6	72.5	285	0.25	0.0	1.0	1.0	
307	286	286	0.266	0.0	1.0	32.9	77.0	-99.2	125.6	307	0.0	0.488	1.0	51.0	20.0	-69.7	72.6	286	0.267	0.0	1.0	0.0	0.476	1.0	50.3	21.6	-71.0	74.3	286	0.267	0.0	1.0	1.0	
308	287	287	0.283	0.0	1.0	33.2	77.1	-98.6	125.2	308	0.0	0.475	1.0	50.2	21.8	-71.2	74.5	287	0.283	0.0	1.0	0.0	0.464	1.0	49.5	23.3	-72.4	76.1	287	0.283	0.0	1.0	1.0	
308	288	288	0.3	0.0	1.0	33.6	77.3	-98.1	124.9	308	0.0	0.462	1.0	49.4	23.6	-72.6	76.4	288	0.3	0.0	1.0	0.0	0.452	1.0	48.8	25.1	-73.7	77.9	288	0.3	0.0	1.0	1.0	
308	289	289	0.316	0.0	1.0	33.9	77.4	-97.5	124.5	308	0.0	0.45	1.0	48.6	25.5	-74.0	78.3	289	0.317	0.0	1.0	0.0	0.44	1.0	48.0	26.9	-75.0	79.8	289	0.317	0.0	1.0	1.0	
308	290	290	0.333	0.0	1.0	34.3	77.6	-96.9	124.1	308	0.0	0.437	1.0	47.8	27.4	-75.3	80.2	290	0.333	0.0	1.0	0.0	0.428	1.0	47.2	28.8	-76.2	81.6	290	0.333	0.0	1.0	1.0	
308	291	291	0.35	0.0	1.0	34.6	77.7	-96.3	123.8	308	0.0	0.424	1.0	47.0	29.4	-76.6	82.1	291	0.35	0.0	1.0	0.0	0.416	1.0	46.5	30.7	-77.4	83.4	291	0.35	0.0	1.0	1.0	
309	292	292	0.366	0.0	1.0	34.9	77.9	-95.7	123.4	309	0.0	0.412	1.0	46.2	31.5	-77.8	84.1	292	0.367	0.0	1.0	0.0	0.404	1.0	45.7	32.7	-78.5	85.2	292	0.367	0.0	1.0	1.0	
309	293	293	0.383	0.0	1.0	35.3	78.1	-95.1	123.0	309	0.0	0.399	1.0	45.4	33.6	-79.0	86.0	293	0.383	0.0	1.0	0.0	0.392	1.0	44.9	34.7	-79.7	87.0	293	0.383	0.0	1.0	1.0	
309	294	294	0.4	0.0	1.0	35.8	78.3	-94.3	122.6	309	0.0	0.386	1.0	44.6	35.7	-80.2	87.9	294	0.4	0.0	1.													

—see similar files: <http://130.149.60.45/~farbmietrik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmietrik>

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours $RYGBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}								$LAB^*_{dd361Mi}(x=LabCh)$								$rgb^*_{ds361Mi}$								$LAB^*_{dsx361Mi}(x=LabCh)$								$rgb^*_{dd361Mi}$								$rgb^*_{de361Mi}$								$LAB^*_{dex361Mi}(x=LabCh)$								$rgb^*_{dd361Mi}$							
311	300	300	0.5	0.0	1.0	38.5	79.8	-89.7	120.0	311	0.0	0.274	1.0	38.4	52.2	-90.4	104.5	300	0.5	0.0	1.0	0.0	0.27	1.0	38.2	52.8	-90.6	105.0	300	0.5	0.0	1.0																																		
312	301	301	0.516	0.0	1.0	39.1	80.2	-88.7	119.6	312	0.0	0.254	1.0	37.4	55.3	-91.9	107.4	301	0.517	0.0	1.0	0.0	0.251	1.0	37.2	55.7	-92.1	107.7	301	0.517	0.0	1.0																																		
312	302	302	0.533	0.0	1.0	39.6	80.6	-87.8	119.2	312	0.0	0.222	1.0	36.1	58.8	-94.1	111.0	302	0.533	0.0	1.0	0.0	0.22	1.0	36.0	59.1	-94.2	111.3	302	0.533	0.0	1.0																																		
312	303	303	0.55	0.0	1.0	40.2	80.9	-86.9	118.8	312	0.0	0.188	1.0	34.8	62.6	-96.3	114.9	303	0.55	0.0	1.0	0.0	0.187	1.0	34.8	62.6	-96.3	115.0	303	0.55	0.0	1.0																																		
313	304	303	0.566	0.0	1.0	40.7	81.3	-86.0	118.3	313	0.0	0.153	1.0	33.5	66.4	-98.4	118.8	304	0.567	0.0	1.0	0.0	0.154	1.0	33.6	66.3	-98.3	118.6	303	0.567	0.0	1.0																																		
313	305	304	0.583	0.0	1.0	41.3	81.6	-85.1	117.9	313	0.0	0.109	1.0	32.2	70.4	-100.4	122.7	305	0.583	0.0	1.0	0.0	0.117	1.0	32.4	70.0	-100.2	122.3	304	0.583	0.0	1.0																																		
314	306	305	0.6	0.0	1.0	41.8	82.0	-84.1	117.5	314	0.0	0.024	1.0	30.8	74.8	-102.8	127.2	306	0.6	0.0	1.0	0.0	0.036	1.0	31.0	74.2	-102.5	126.6	305	0.6	0.0	1.0																																		
314	307	306	0.616	0.0	1.0	42.4	82.3	-83.2	117.0	314	0.172	0.0	1.0	31.6	76.5	-101.4	127.1	307	0.617	0.0	1.0	0.146	0.0	1.0	31.3	76.4	-102.0	127.5	306	0.617	0.0	1.0																																		
315	308	307	0.633	0.0	1.0	43.0	82.7	-82.2	116.6	315	0.282	0.0	1.0	33.2	77.2	-98.6	125.3	308	0.633	0.0	1.0	0.263	0.0	1.0	32.9	77.0	-99.3	125.7	307	0.633	0.0	1.0																																		
315	309	308	0.65	0.0	1.0	43.6	83.2	-81.2	116.3	315	0.357	0.0	1.0	34.8	77.8	-96.0	123.7	309	0.65	0.0	1.0	0.335	0.0	1.0	34.3	77.6	-96.8	124.2	308	0.65	0.0	1.0																																		
316	310	309	0.666	0.0	1.0	44.2	83.7	-80.2	115.9	316	0.414	0.0	1.0	36.2	78.6	-93.6	122.3	310	0.667	0.0	1.0	0.396	0.0	1.0	35.8	78.3	-94.4	122.8	309	0.667	0.0	1.0																																		
316	311	310	0.683	0.0	1.0	44.8	84.1	-79.2	115.5	316	0.465	0.0	1.0	37.6	79.4	-91.2	121.0	311	0.683	0.0	1.0	0.445	0.0	1.0	37.1	79.1	-92.2	121.5	310	0.683	0.0	1.0																																		
317	312	311	0.7	0.0	1.0	45.4	84.6	-78.1	115.2	317	0.513	0.0	1.0	39.0	80.1	-88.9	119.8	312	0.7	0.0	1.0	0.493	0.0	1.0	38.4	79.8	-89.9	120.3	311	0.7	0.0	1.0																																		
317	313	312	0.716	0.0	1.0	46.0	85.0	-77.1																																																										

1-0031130-L0	QE010-70	LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0
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Output: sRGB standard device; no separation, D65, page 12/29

TUB-test chart QE01; hue code: $H^*_d=R25Y_d$
48 step hue circles; *rgb-LabCh** tables

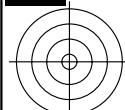
input: $rgb/cmyk \rightarrow rgb_d$
output: transfer to rgb_d

TUB registration: 20130201-QE01/QE01L0NA.TXT/.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Output: sRGB standard device; no separation, D65, page 13/29

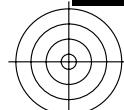
input: $rgb/cmyk \rightarrow rgb_d$
output: transfer to rgb_d



see similar files: <http://130.149.60.45/~farbmatrik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB registration: 20130201-QE01/QE01L0NA.TXT /.PS
- application for measurement of display output, no separation

TUB material: code=rha4ta



QE010-7N, Page 14/29-F

TUB-test chart QE01; hue code: H_d^{*}=R25Y_d

input: *rgb/cmyk* → *rgb*_d
output: transfer to *rgb*_d

V

Y

M

C

FO

303

[illegible][illegible][illegible]

1

1

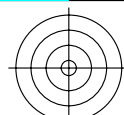
http://130.149.60.45/~farbmatrik/QE01/QE01L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 14/29

http://130.149.60.45/~farbmatrik/QE01/QE01LONA.TXT / PS; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 14/29

n/j	HIC ^{PS} -fid	rgb_fid	lct_fid	hss_fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	LabCh ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF ^{PS} -fid	rgb ^{PS} -fid	LabCh ^{PS} -fid	DF 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Mean color difference of this page:





http://130.149.60.45/~farbmatrik/QE01/QE01L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 15/29



TUB registration: 20130201-QE01/QE01L0NA.TXT /.PS
+ application for measurement of display output, no separation

TUB material: code=rha4ta



QE010-7N, Page 15/29-F

TUB-test chart QE01; hue code: H_d^{*}=R25Y_d

input: *rgb/cmyk* $\rightarrow$ *rgba*
output: transfer to *rgba*

[illegible]

Mean color difference of this page:

-see similar files: <http://130.149.60.45/~farbmatrik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/QE01/QE01LONA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 16/29

-see similar files: <http://130.149.60.45/~farbmetrik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

input: *rgb/cmyk* → *rgb*_d
output: transfer to *rgb*_d

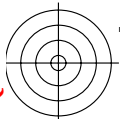
[illegible] $\Delta E^* = 4.6$

QE010-7N Page 16/20-F

TUB-test chart QE01; hue code: H*d=R25Yd

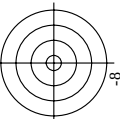
$\forall F^*, \exists F^*$

1-0031530-EO



TUB registration: 20130201-QE01/QE01L0NA.TXT /.PS
 application for measurement of display output, no separation

TUB material: code=rha4ta



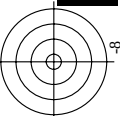
http://130.149.60.45/~farbmatrik/QE01/QE01LONA.TXT /PS; transfer output										N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 17/29											
n	HIC*	rgb_Fid	fca_Fid	hfa_Fid	rgb*Fid	LabCh*Fid	LabCh*Fid	rgb*Fid	LabCh*Fid	DE*Fid	hfaNd	rgb*Fid	LabCh*Fid	DE*Fid	hfaNd	rgb*Fid	LabCh*Fid	DE*Fid	hfaNd	rgb*Fid	LabCh*Fid
81	R00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
82	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
83	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
84	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
85	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
86	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
87	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
88	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
89	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
90	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
91	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
92	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
93	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
94	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
95	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5
96	B00Y_012_012d	0.125	0.0	0.125	0.0	0.0	6.3	9.6	7.0	12.5	40.0	0.125	0.0	2.4	10.7	3.8	11.6	19.4	5.8	389	64.5

[illegible]

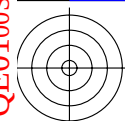
input: *rgb/cmyk* → *rgb*
output: transfer to *rgb*

TUB-test chart QE01; hue code: $H^*_d=R25Y_d$
colors and differences, ΔE^* ,

—0031630—F0

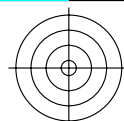


see similar files: <http://130.149.60.45/~farbmatrik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



TUB registration: 20130201-QE01/QE01L0NA.TXT /.PS
- application for measurement of display output, no separation

TUB material: code=rha4ta



http://130.149.60.45/~farbmatrik/QE01/QE01LONA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 22/29

[illegible]

Mean color difference of this page: $\Delta E^* = 9.4$

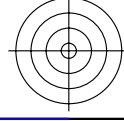
input: *rgb/cmyk* $\rightarrow$ *rgbd*
output: transfer to *rgba*

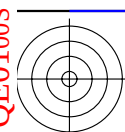
DE010-7N. Page 22/29-F

TUB-test chart QE01; hue code: $H^*_d=R25Y_d$ colors and differences, ΔE^*_{*} ,

-0032120-EO

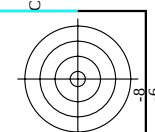
see similar files: <http://130.149.60.45/~farbmatrik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>





TUB registration: 20130201-QE01/QE01L0NA.TXT /.PS
- application for measurement of display output, no separation

TUB material: code=rha4ta



http://130.149.60.45/~farbmatrik/QE01/QE01L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 23/29

n	HIC ^{Fe}	rgb ^{Fe}	ic ^{Fe}	h _{av} ^{Fe}	LabCh ^{Fe}	rgb ^{Fe}	LabCh ^{Fe}	rgb ^{Fe}	LabCh ^{Fe}	DE ^{Fe}	rgb ^{Fe}	LabCh ^{Fe}	rgb ^{Fe}	LabCh ^{Fe}					
567	R00Y.087.087d	0.875	0.0	0.875	0.875	0.875	0.875	0.875	0.875	2.9	389	1.0	0.0	50.4	76.9	64.5	100.4		
568	R36Y.087.087d	0.875	0.0	0.875	0.875	0.875	0.875	0.875	0.875	34.0	22	382	1.0	0.0	0.133	50.6	77.3	53.9	
569	R23Y.087.087d	0.875	0.0	0.875	0.875	0.875	0.875	0.875	0.875	49.7	81	382	1.0	0.0	0.133	50.6	77.3	53.9	
570	R08Y.087.087d	0.875	0.0	0.875	0.875	0.875	0.875	0.875	0.875	30.2	23.1	375	1.0	0.0	0.266	50.5	78.3	36.8	
571	R70Y.087.087d	0.875	0.0	0.875	0.875	0.875	0.875	0.875	0.875	70.8	9.5	2.6	365	1.0	0.0	0.416	51.5	80.3	15.8
572	R63Y.087.087d	0.875	0.0	0.875	0.875	0.875	0.875	0.875	0.875	45.1	72.4	12.2	73.4	1.0	0.0	0.266	51.5	80.3	15.8
573	R56Y.087.087d	0.875	0.0	0.875	0.875	0.875	0.875	0.875	0.875	74.6	55.2	3.9	354	1.0	0.0	0.086	52.7	83.2	-6.9
574	R50Y.087.087d	0.875	0.0	0.875	0.875	0.875	0.875	0.875	0.875	34.4	1.0	0.0	0.733	54.0	86.5	-26.4	90.4	3.3	
575	R44Y.100.100d	0.875	0.0	0.875	0.875	0.875	0.875	0.875	0.875	33.7	1.0	0.0	0.086	55.5	90.1	-42.8	99.8	3.3	
576	R13Y.087.087d	0.875	0.0	0.875	0.875	0.875	0.875	0.875	0.875	32.3	1.0	0.0	0.883	0.0	1.0	57.2	94.3	-58.1	
577	R00Y.087.075d	0.875	0.125	0.875	0.875	0.875	0.875	0.875	0.875	32.3	1.0	0.0	0.883	0.0	1.0	57.2	94.3	-58.1	
578	R13Y.087.075d	0.875	0.125	0.875	0.875	0.875	0.875	0.875	0.875	32.3	1.0	0.0	0.883	0.0	1.0	57.2	94.3	-58.1	
579	R00Y.087.075d	0.875	0.125	0.875	0.875	0.875	0.875	0.875	0.875	32.3	1.0	0.0	0.883	0.0	1.0	57.2	94.3	-58.1	
580	R13Y.087.075d	0.875	0.125	0.875	0.875	0.875	0.875	0.875	0.875	32.3	1.0	0.0	0.883	0.0	1.0	57.2	94.3	-58.1	
581	R65Y.087.075d	0.875	0.125	0.875	0.875	0.875	0.875	0.875	0.875	32.3	1.0	0.0	0.883	0.0	1.0	57.2	94.3	-58.1	
582	R57Y.087.075d	0.875	0.125	0.875	0.875	0.875	0.875	0.875	0.875	32.3	1.0	0.0	0.883	0.0	1.0	57.2	94.3	-58.1	
583	R57Y.087.075d	0.875	0.125	0.875	0.875	0.875	0.875	0.875	0.875	32.3	1.0	0.0	0.883	0.0	1.0	57.2	94.3	-58.1	
584	R43Y.100.087d	0.875	0.125	0.875	0.875	0.875	0.875	0.875	0.875	32.3	1.0	0.0	0.883	0.0	1.0	57.2	94.3	-58.1	
585	R26Y.100.087d	0.875	0.125	0.875	0.875	0.875	0.875	0.875	0.875	32.3	1.0	0.0	0.883	0.0	1.0	57.2	94.3	-58.1	
586	R15Y.087.062d	0.875	0.25	0.875	0.875	0.875	0.875	0.875	0.875	32.3	1.0	0.0	0.883	0.0	1.0	57.2	94.3	-58.1	
587	R15Y.087.062d	0.875	0.25	0.875	0.875	0.875	0.875	0.875	0.875	32.3	1.0	0.0	0.883	0.0	1.0	57.2			

Mean color difference of this page:

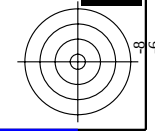
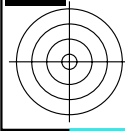
input: *rgb/cmyk* -> *rgb*
output: transfer to *rgb*

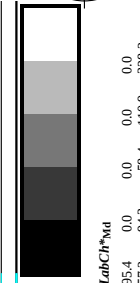
TUB-test chart QE01; hue code: $H^*_d=R25Y_d$
colors and differences, ΔE^* ,

Page 23/29-F

[illegible]

-see similar files: <http://130.149.60.45/~farbmatrik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>





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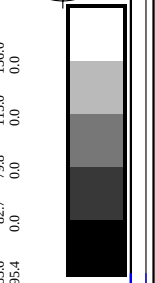
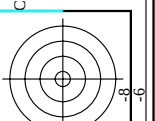
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TUB registration: 20130201-QE01/QE01L0NA.TXT /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta



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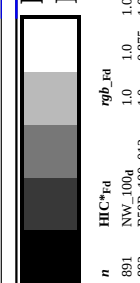
B

R

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B

http://130.149.60.45/~farbmatrik/QE01/QE01L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 27/29



C

M

Y

see similar files: <http://130.149.60.45/~farbmatrik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

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QE0100-7N; Page 27/29-F

TUB-test chart QE01; hue code: H*d=R25Yd
colors and differences, ΔE*

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

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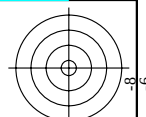
g

g



TUB registration: 20130201-QE01/QE01L0NA.TXT /.PS
+ application for measurement of display output, no separation

TUB material: code=rha4ta

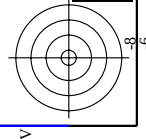
[illegible]

Mean color difference of this page:

input: *rgb/cmyk* → *rgb*
output: transfer to *rgb*

QE010-7N, Page 28/29-F

TUB-test chart QE01; hue code: H_d^{*}=R25Y_d
colors and differences. ΔE_{*}^{*} ,



-see similar files: <http://130.149.60.45/~farbmatrik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



http://130.149.60.45/~farbmetrik/QE01/QE01L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 29/29

see similar files: <http://130.149.60.45/~farbmetrik/QE01/QE01.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE01/QE01L0NA.TXT /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

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

TUB-test chart QE01; hue code: H*d=R25Yd
colors and differences, ΔE^*

n	HfC*Fid	rgb_Fid	lcr_Fid	hsl_Fid	rgb**Fid	LabCh**Fid	rgb**Fid	LabCh**Fid	DF**Fid	hsl**d	rgb**Md	LabCh**Md
1053	NW_086d	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.0	325.2	1.0	95.4
1054	NW_093d	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.0	325.2	1.0	95.4
1055	NW_100d	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	325.2	1.0	95.4
1056	NW_000d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	325.2	1.0	95.4
1057	NW_006d	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.0	326.3	1.0	95.4
1058	NW_013d	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.0	325.6	1.0	95.4
1059	NW_020d	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	325.6	1.0	95.4
1060	NW_026d	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.0	325.4	1.0	95.4
1061	NW_033d	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.0	325.3	1.0	95.4
1062	NW_040d	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	325.4	1.0	95.4
1063	NW_046d	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.0	325.3	1.0	95.4
1064	NW_053d	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.0	325.3	1.0	95.4
1065	NW_060d	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	325.3	1.0	95.4
1066	NW_066d	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.0	325.2	1.0	95.4
1067	NW_073d	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.0	325.2	1.0	95.4
1068	NW_080d	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	325.2	1.0	95.4
1069	NW_086d	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.0	325.2	1.0	95.4
1070	NW_093d	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.0	325.2	1.0	95.4
1071	NW_100d	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	325.2	1.0	95.4
1072	NW_000d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	325.2	1.0	95.4
1073	ROY_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	325.2	1.0	95.4
1074	G50B_100_100d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	325.2	1.0	95.4
1075	Y06C_100_100d	0.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	325.2	1.0	95.4
1076	B06C_100_100d	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	325.2	1.0	95.4
1077	B06C_100_100d	0.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	325.2	1.0	95.4
1078	B06C_100_100d	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	325.2	1.0	95.4
1079	B50R_100_100d	1.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	325.2	1.0	95.4

Mean color difference of this page: $\Delta E^* = 1.0$