

Input and Output: Offset Reflective System ORS18a

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

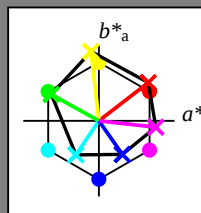
HIC^* -

hue text for the colours
 of this page:

$H^*_- = R00Y_-$, $R25Y_-$, ..., $B75R_-$

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
R25Y_100_100_	56.8	48.0	50.5	69.6
R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-31.7	62.7	70.2
Y75G_100_100_	62.0	-49.7	43.2	65.8
G00B_100_100_	55.8	-65.2	33.8	73.4
G25B_100_100_	59.3	-50.3	-9.0	51.0
G50B_100_100_	63.0	-30.5	-42.0	51.9
G75B_100_100_	45.7	-5.7	-44.6	44.9
B00R_100_100_	27.5	25.9	-47.3	53.9
B25R_100_100_	38.3	52.6	-28.5	59.8
B50R_100_100_	49.5	73.5	-9.0	74.0
B75R_100_100_	48.9	69.3	12.9	70.4



% Gamut

$u^*_{rel} = 92$

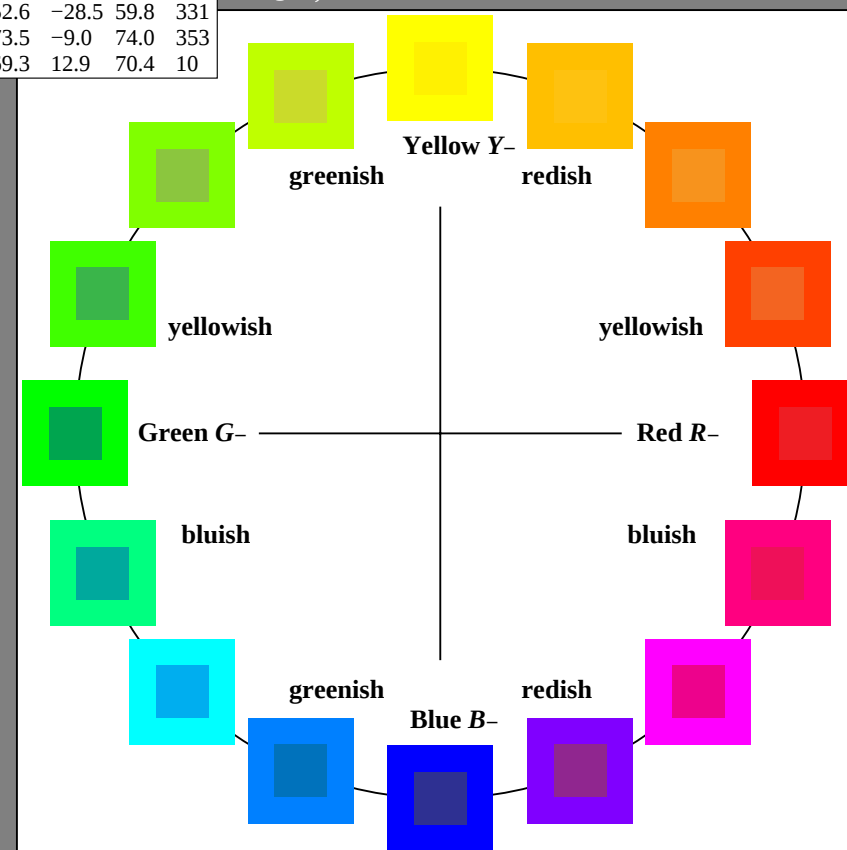
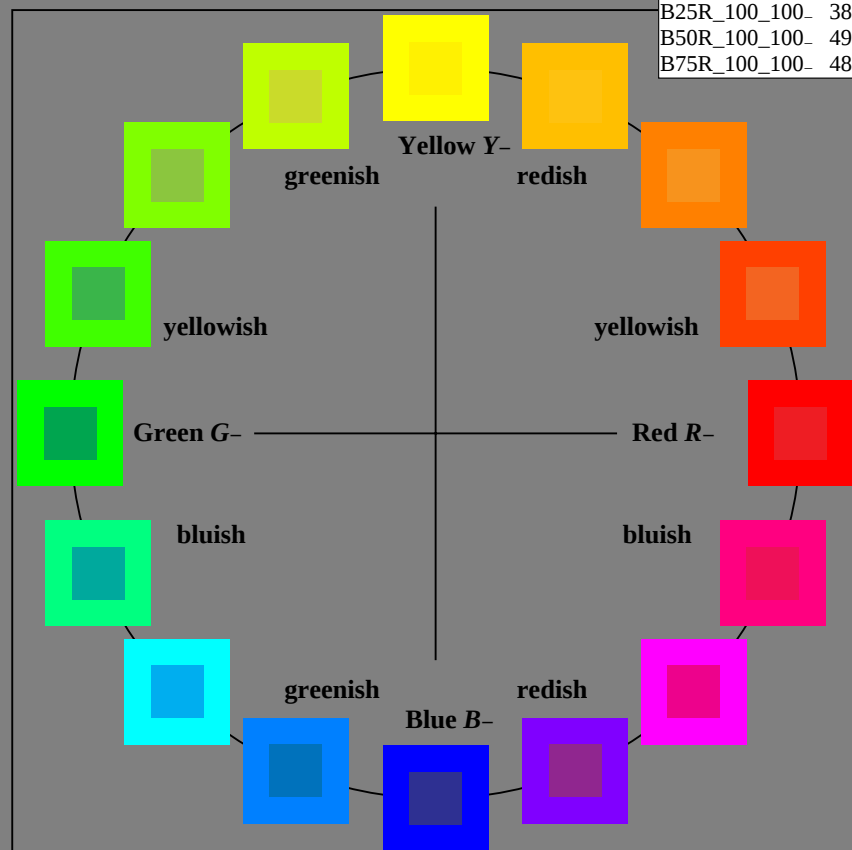
% Regularity

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

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

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
Y_.,Ma	90.3	-10.2	91.7	92.3
G_.,Ma	50.9	-62.8	34.9	71.9
C_.,Ma	58.6	-30.3	-45.0	54.2
B_.,Ma	25.7	31.0	-44.4	54.2
M_.,Ma	48.1	75.2	-8.3	75.7
N_.,Ma	18.0	0.0	0.0	0.0
W_.,Ma	95.4	0.0	0.0	0.0
R_.,CIE	39.9	58.7	27.9	65.0
Y_.,CIE	81.2	-2.8	71.5	71.6
G_.,CIE	52.2	-42.4	13.6	44.5
B_.,CIE	30.5	1.4	-46.4	46.4



1-003030-L0 PE810-7N

TUB-test chart PE81; 16 step hue circle
 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

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

 HIC^*_d

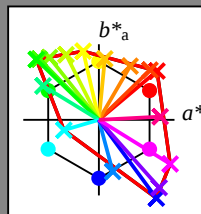
hue text for the colours

of this page:

 $H^*_d = R00Y_d, R25Y_d, \dots, B75R_d$

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
R25Y_100_100_d	53.7	67.6	65.8	94.4
R50Y_100_100_d	63.6	41.3	71.0	82.2
R75Y_100_100_d	78.2	7.8	80.6	81.0
Y00G_100_100_d	92.6	-20.7	90.7	93.0
Y25G_100_100_d	88.7	-43.3	86.2	96.5
Y50G_100_100_d	85.7	-65.2	82.4	105.1
Y75G_100_100_d	84.0	-78.7	80.4	112.5
G00B_100_100_d	83.6	-82.7	79.8	115.0
G25B_100_100_d	84.3	-73.7	44.9	86.4
G50B_100_100_d	86.8	-46.1	-13.5	48.1
G75B_100_100_d	51.7	18.3	-68.3	70.7
B00R_100_100_d	30.3	76.0	-103.5	128.5
B25R_100_100_d	38.5	79.8	-89.7	120.0
B50R_100_100_d	57.2	94.3	-58.4	110.9
B75R_100_100_d	52.0	81.1	4.1	81.2



% Gamut

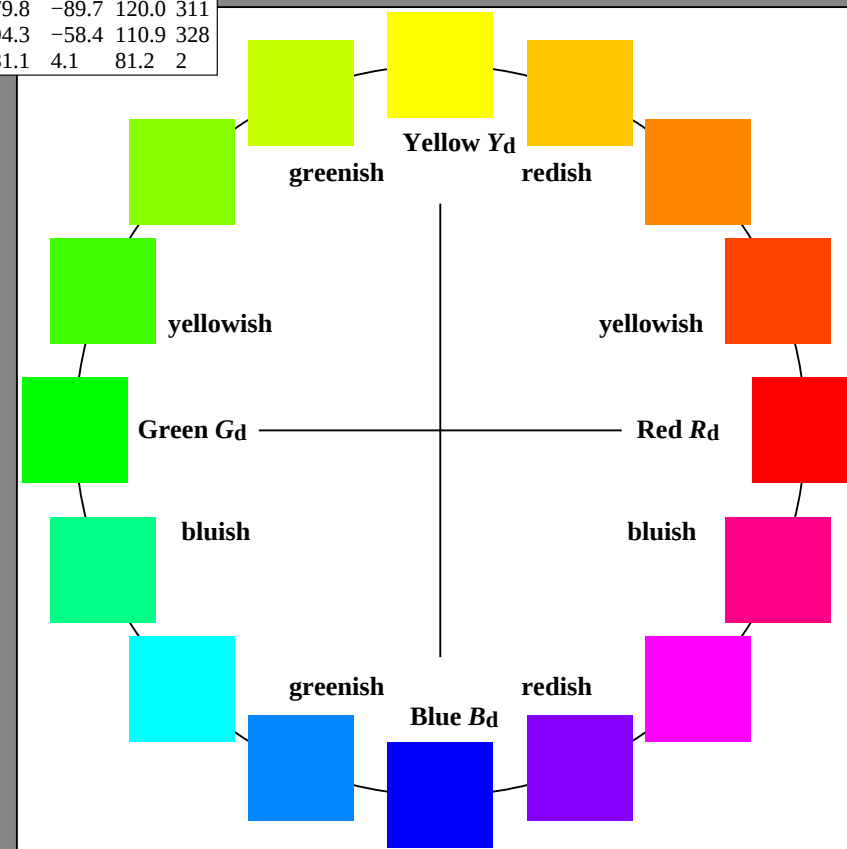
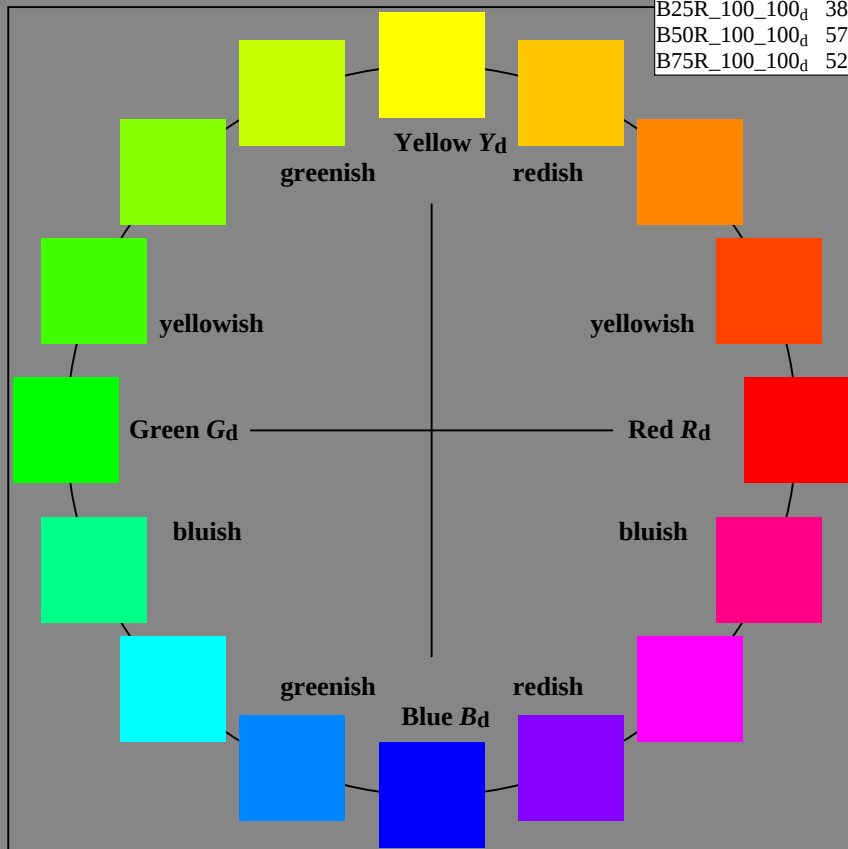
 $u^*_{rel} = 158$

% Regularity

 $g^*_{H,rel} = 19$ $g^*_{C,rel} = 37$

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
Y _{d, Ma}	92.6	-20.7	90.7	93.0
G _{d, Ma}	83.6	-82.7	79.8	115.0
C _{d, Ma}	86.8	-46.1	-13.5	48.1
B _{d, Ma}	30.3	76.0	-103.5	128.5
M _{d, Ma}	57.2	94.3	-58.4	110.9
N _{d, Ma}	0.0	0.0	0.0	0
W _{d, Ma}	95.4	0.0	0.0	0
R _{d, CIE}	39.9	58.7	27.9	65.0
Y _{d, CIE}	81.2	-2.8	71.5	71.6
G _{d, CIE}	52.2	-42.4	13.6	44.5
B _{d, CIE}	30.5	1.4	-46.4	46.4



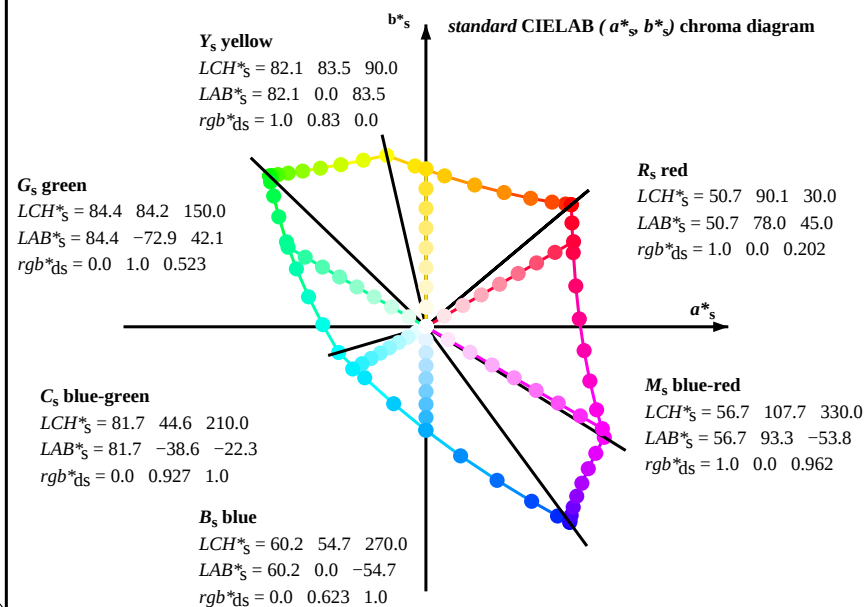
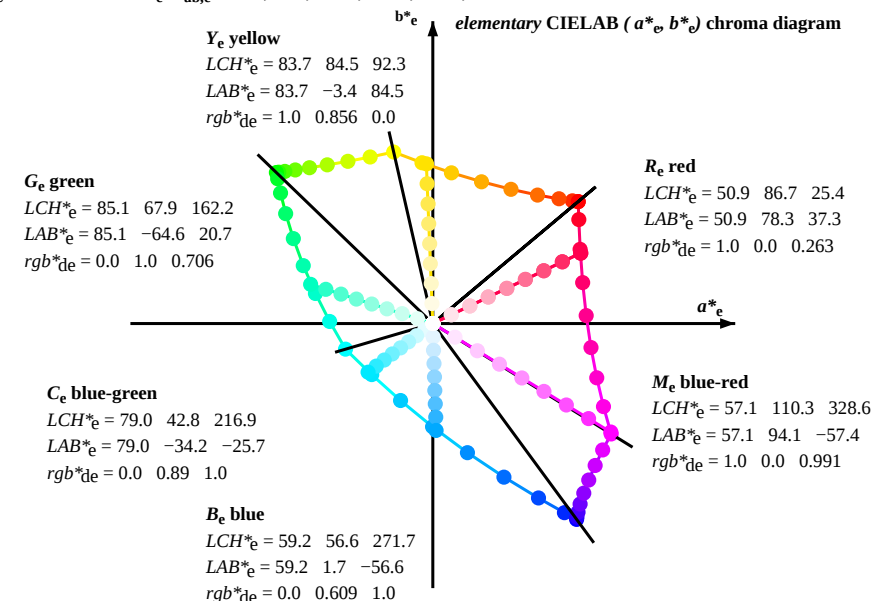
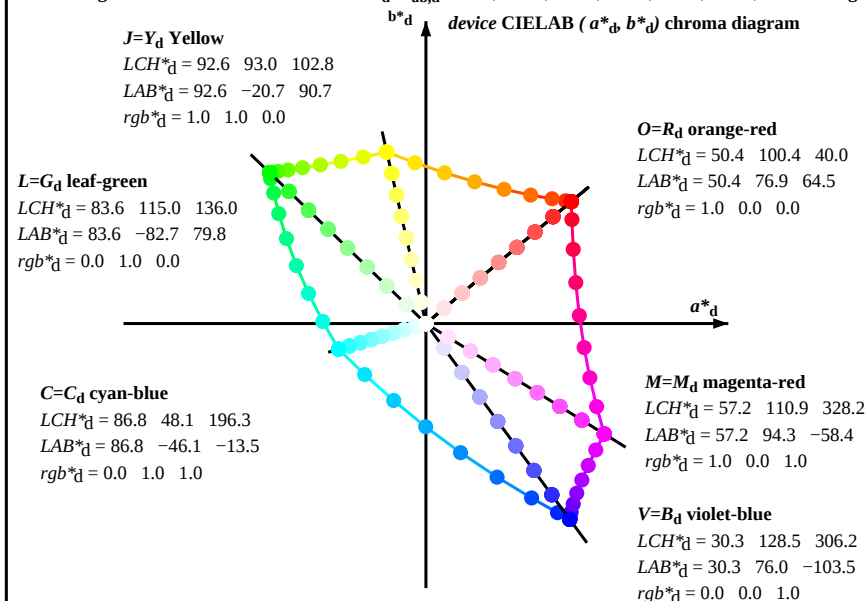
1-003130-L0 PE810-70

TUB-test chart PE81; 16 step hue circle

Test chart according to DIN 33872, 3D=0, de=0, sRGB

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 $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
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 PE810-70 LAB*1a0, 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

TUB-test chart PE81; 16 step hue circle
Test chart according to DIN 33872, 3D=0, de=0, sRGB

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

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

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 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* 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	50.5	76.9	64.6	100.4	40.0	1.0	0.0	0.203	50.8	78.0	45.1	90.1	30	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	98.5	41.3	1.0	0.0	0.082	50.6	77.2	58.2	96.7	37	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	1.0	0.256	0.0	54.3	66.1	66.1	93.5	45	1.0	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	1.0	0.367	0.0	57.9	56.2	67.9	88.2	50	1.0	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	1.0	0.5	0.0	63.7	41.4	71.0	82.2	59	1.0	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	1.0	0.617	0.0	69.7	26.8	74.9	79.6	70	1.0	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	1.0	0.75	0.0	77.2	9.8	79.8	80.4	82	1.0	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	1.0	0.867	0.0	84.3	-4.6	84.8	85.0	93	1.0	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	1.0	1.0	0.0	92.7	-20.6	90.8	93.1	102	1.0	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	0.883	1.0	0.0	90.6	-32.2	88.4	94.1	110	1.0	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	0.75	1.0	0.0	88.5	-44.8	85.8	96.9	117	0.965	1.0	0.0	92.0	-24.1	90.2	93.4	105
123.6	112.5	118.5	0.625	1.0	0.0	86.9	-55.8	83.9	100.7	123.6	0.633	1.0	0.0	87.1	-55.0	84.1	100.5	123	0.85	1.0	0.0	90.1	-35.4	87.8	94.7	112
128.3	120.0	127.2	0.5	1.0	0.0	85.7	-65.2	82.4	105.1	128.3	0.5	1.0	0.0	85.7	-65.1	82.4	105.1	128	0.7	1.0	0.0	87.9	-49.1	85.3	98.4	120
131.8	127.5	136.0	0.375	1.0	0.0	84.7	-72.8	81.2	109.1	131.8	0.383	1.0	0.0	84.8	-72.2	81.4	108.9	131	0.536	1.0	0.0	86.1	-62.4	83.0	103.9	127
134.1	135.0	144.7	0.25	1.0	0.0	84.1	-78.2	80.5	112.2	134.1	0.25	1.0	0.0	84.1	-78.2	80.5	112.3	134	0.173	1.0	0.0	83.9	-80.2	80.3	113.5	135
135.5	142.5	153.4	0.125	1.0	0.0	83.7	-81.4	80.0	114.2	135.5	0.133	1.0	0.0	83.8	-81.2	80.1	114.1	135	0.0	1.0	0.335	83.9	-78.7	61.6	100.0	142
136.0	150.0	162.2	0.0	1.0	0.0	83.6	-82.7	79.8	115.0	136.0	0.0	1.0	0.0	83.6	-82.7	79.9	115.0	136	0.0	1.0	0.523	84.4	-72.9	42.1	84.3	150
137.0	157.5	169.0	0.0	1.0	0.125	83.6	-82.1	76.6	112.3	137.0	0.0	1.0	0.117	83.7	-82.1	76.8	112.5	136	0.0	1.0	0.639	84.9	-67.8	28.8	73.8	157
139.3	165.0	175.9	0.0	1.0	0.25	83.8	-80.5	69.1	106.1	139.3	0.0	1.0	0.25	83.8	-80.5	69.1	106.2	139	0.0	1.0	0.742	85.3	-62.5	16.8	64.8	165
143.2	172.5	182.7	0.0	1.0	0.375	84.0	-77.8	58.1	97.1	143.2	0.0	1.0	0.367	84.0	-77.9	58.9	97.7	142	0.0	1.0	0.81	85.7	-58.8	8.3	59.5	172
148.6	180.0	189.6	0.0	1.0	0.5	84.3	-73.7	44.9	86.4	148.6	0.0	1.0	0.5	84.3	-73.7	45.0	86.4	148	0.0	1.0	0.883	86.1	-54.1	0.0	54.2	180
155.8	187.5	196.4	0.0	1.0	0.625	84.7	-68.5	30.6	75.0	155.8	0.0	1.0	0.617	84.8	-68.8	31.5	75.8	155	0.0	1.0	0.933	86.4	-51.1	-6.2	51.6	187
165.6	195.0	203.2	0.0	1.0	0.75	85.3	-62.0	15.9	64.0	165.6	0.0	1.0	0.75	85.4	-62.0	15.9	64.1	165	0.0	1.0	0.99	86.8	-46.9	-12.5	48.6	195
178.8	202.5	210.1	0.0	1.0	0.875	86.0	-54.5	1.0	54.5	178.8	0.0	1.0	0.867	86.0	-55.1	2.0	55.2	177	0.0	0.97	1.0	84.7	-43.2	-17.4	46.7	202
196.3	210.0	216.9	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1	196.3	0.0	1.0	1.0	86.9	-46.1	-13.5	48.1	196	0.0	0.927	1.0	81.7	-38.6	-22.2	44.7	210
219.8	217.5	223.8	0.0	0.875	1.0	77.9	-32.3	-27.0	42.1	219.8	0.0	0.883	1.0	78.6	-33.3	-26.3	42.6	218	0.0	0.89	1.0	79.1	-34.1	-25.7	42.9	217
247.2	225.0	230.6	0.0	0.75	1.0	69.1	-17.0	-40.7	44.1	247.2	0.0	0.75	1.0	69.1	-17.0	-40.6	44.2	247	0.0	0.851	1.0	76.3	-30.0	-30.0	42.5	225
269.8	232.5	237.5	0.0	0.625	1.0	60.3	-0.1	-54.6	54.6	269.8	0.0	0.633	1.0	60.9	-1.5	-53.8	53.9	268	0.0	0.82	1.0	74.1	-26.4	-33.8	43.1	232
285.0	240.0	244.3	0.0	0.5	1.0	51.7	18.3	-68.3	70.7	285.0	0.0	0.5	1.0	51.8	18.3	-68.2	70.7	285	0.0	0.783	1.0	71.5	-21.7	-37.7	43.6	240
294.8	247.5	251.2	0.0	0.375	1.0	43.8	37.6	-81.2	89.5	294.8	0.0	0.383	1.0	44.4	36.2	-80.4	88.3	294	0.0	0.751	1.0	69.2	-17.2	-40.6	44.2	247
301.1	255.0	258.0	0.0	0.25	1.0	37.1	55.9	-92.3	107.9	301.1	0.0	0.25	1.0	37.2	55.9	-92.2	107.9	301	0.0	0.707	1.0	66.1	-12.3	-46.0	47.8	255
304.8	262.5	264.8	0.0	0.125	1.0	32.4	69.5	-100.0	121.8	304.8	0.0	0.133	1.0	32.8	68.6	-99.5	121.0	304	0.0	0.668	1.0	63.4	-7.0	-50.4	51.0	262
306.2	270.0	271.7	0.0	0.0	1.0	30.3	76.0	-103.5	128.5	306.2	0.0	0.0	1.0	30.4	76.1	-103.5	128.5	306	0.0	0.624	1.0	60.2	0.0	-54.7	54.8	270
306.6	277.5	278.8	0.125	0.0	1.0	31.0	76.2	-102.4	127.7	306.6	0.117	0.0	1.0	31.0	76.3	-102.5	127.8	306	0.0	0.566	1.0	56.3	7.6	-61.7	62.2	277
307.5	285.0	285.9	0.25	0.0	1.0	32.6	76.8	-99.8	125.9	307.5	0.25	0.0	1.0	32.6	76.8	-99.7	126.0	307	0.0	0.5	1.0	51.8	18.3	-68.2	70.7	285
309.2	292.5	293.0	0.375	0.0	1.0	35.1	77.9	-95.5	123.3	309.2	0.367	0.0	1.0	35.0	77.9	-95.7	123.5	309	0.0	0.412	1.0	46.2	31.5	-77.8	84.1	292
311.6	300.0	300.1	0.5	0.0	1.0	38.5	79.8	-89.7	120.0	311.6	0.5	0.0	1.0	38.6	79.9	-89.6	120.1	311	0.0	0.274	1.0	38.4	52.2	-90.4	104.5	300
314.8	307.5	307.2	0.625	0.0	1.0	42.7	82.5	-82.7	116.8	314.8	0.617	0.0	1.0	42.4	82.3	-83.2	117.1	314	0.172	0.0	1.0	31.6	76.5	-101.4	127.1	307
318.8	315.0	314.3	0.75	0.0	1.0	47.2	85.8	-75.1	114.0	318.8	0.75	0.0	1.0	47.3	85.9	-75.0	114.1	318	0.628	0.0	1.0	42.8	82.6	-82.5	116.8	315
323.3	322.5	321.4	0.875	0.0	1.0	52.1	89.8	-66.9	112.0	323.3	0.867	0.0	1.0	51.9	89.6	-67.4	112.2	323	0.838	0.0	1.0	50.7	88.8	-69.3	112.7	322
328.2	330.0	328.6	1.0	0.0	1.0	57.2	94.3	-58.4	110.9	328.2	1.0	0.0	1.0	57.3	94.4	-58.3	111.0	328	1.0	0.0	0.962	56.8	93.4	-53.8	107.8	330
334.0	337.5	335.7	1.0	0.0	0.875	55.6	90.3	-43.9	100.4	334.0	1.0	0.0	0.883	55.8	90.7	-44.8	101.1	333	1.0	0.0	0.827	55.1	89.2	-37.8	96.9	337

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	1.0	0.0	0.992	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	1.0	0.0	0.856	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	1.0	0.0	0.735	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	1.0	0.0	0.65	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	1.0	0.0	0.618	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	1.0	0.0	0.533	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	1.0	0.0	0.441	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	1.0	0.0	0.361	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	1.0	0.0	0.263	50.9	78.3	37.3	86.7	385					

1-003430-L0 PE810-70 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

TUB-test chart PE81; 16 step hue circle
Test chart according to DIN 33872, 3D=0, de=0, sRGB

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

Output: sRGB standard device; no separation, D65, page 5/29

TUB registration: 20130201-PE81/PE81L0NA.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}	$LAB^*_{ddx361Mi}$ (x=LabCh)	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}$ (x=LabCh)	R_s	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}$ (x=LabCh)	R_e	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
40	30	25	1.0 0.0 0.0	50.4 76.9 64.5 100.4 40	1.0	1.0 0.0 0.203 50.8 78.0 45.1 90.1 30	R_s	1.0	0.0 0.0	1.0 0.0 0.263 50.9 78.3 37.3 86.7 25	R_e	1.0	0.0 0.0			
40	31	26	1.0 0.016 0.0	50.6 76.5 64.6 100.1 40		1.0 0.0 0.189 50.7 78.0 46.9 91.0 31	1.0	0.017 0.0	1.0 0.0 0.251 50.9 78.0 39.0 87.2 26	1.0	0.017 0.0					
40	32	27	1.0 0.033 0.0	50.7 76.1 64.6 99.8 40		1.0 0.0 0.174 50.7 77.9 48.7 91.8 32	1.0	0.033 0.0	1.0 0.0 0.236 50.8 78.0 41.0 88.1 27	1.0	0.033 0.0					
40	33	28	1.0 0.05 0.0	50.9 75.7 64.7 99.6 40		1.0 0.0 0.16 50.7 77.7 50.5 92.7 33	1.0	0.05 0.0	1.0 0.0 0.22 50.8 78.1 43.0 89.1 28	1.0	0.05 0.0					
40	34	29	1.0 0.066 0.0	51.0 75.3 64.7 99.3 40		1.0 0.0 0.146 50.6 77.6 52.3 93.6 34	1.0	0.067 0.0	1.0 0.0 0.204 50.8 78.0 44.9 90.1 29	1.0	0.067 0.0					
40	35	31	1.0 0.083 0.0	51.1 74.9 64.8 99.0 40		1.0 0.0 0.131 50.6 77.3 54.2 94.4 35	1.0	0.083 0.0	1.0 0.0 0.188 50.7 78.0 46.9 91.0 31	1.0	0.083 0.0					
41	36	32	1.0 0.1 0.0	51.3 74.5 64.8 98.7 41		1.0 0.0 0.11 50.6 77.3 56.1 95.5 36	1.0	0.1 0.0	1.0 0.0 0.172 50.7 77.9 49.0 92.0 32	1.0	0.1 0.0					
41	37	33	1.0 0.116 0.0	51.4 74.1 64.9 98.5 41		1.0 0.0 0.082 50.6 77.2 58.2 96.7 37	1.0	0.117 0.0	1.0 0.0 0.156 50.7 77.7 51.0 92.9 33	1.0	0.117 0.0					
41	38	34	1.0 0.133 0.0	51.7 73.4 65.0 98.0 41		1.0 0.0 0.055 50.5 77.2 60.3 98.0 38	1.0	0.133 0.0	1.0 0.0 0.14 50.6 77.5 53.0 93.9 34	1.0	0.133 0.0					
41	39	35	1.0 0.15 0.0	52.0 72.4 65.2 97.4 41		1.0 0.0 0.028 50.5 77.1 62.4 99.2 39	1.0	0.15 0.0	1.0 0.0 0.123 50.6 77.2 55.1 94.9 35	1.0	0.15 0.0					
42	40	36	1.0 0.166 0.0	52.3 71.4 65.3 96.8 42		1.0 0.0 0.0 50.5 76.9 64.6 100.4 40	1.0	0.167 0.0	1.0 0.0 0.093 50.6 77.3 57.4 96.3 36	1.0	0.167 0.0					
42	41	37	1.0 0.183 0.0	52.7 70.5 65.5 96.2 42		1.0 0.095 0.0 51.3 74.6 64.9 98.9 41	1.0	0.183 0.0	1.0 0.0 0.062 50.5 77.2 59.7 97.6 37	1.0	0.183 0.0					
43	42	38	1.0 0.2 0.0	53.0 69.5 65.6 95.6 43		1.0 0.151 0.0 52.1 72.4 65.2 97.5 42	1.0	0.2 0.0	1.0 0.0 0.032 50.5 77.1 62.1 99.0 38	1.0	0.2 0.0					
43	43	39	1.0 0.216 0.0	53.4 68.6 65.7 95.0 43		1.0 0.188 0.0 52.8 70.3 65.5 96.1 43	1.0	0.217 0.0	1.0 0.0 0.001 50.5 76.9 64.5 100.4 39	1.0	0.217 0.0					
44	44	41	1.0 0.233 0.0	53.7 67.6 65.8 94.4 44		1.0 0.225 0.0 53.6 68.2 65.8 94.8 44	1.0	0.233 0.0	1.0 0.102 0.0 51.4 74.4 64.9 98.8 41	1.0	0.233 0.0					
44	45	42	1.0 0.25 0.0	54.0 66.7 65.9 93.8 44		1.0 0.256 0.0 54.3 66.1 66.1 93.5 45	1.0	0.25 0.0	1.0 0.157 0.0 52.2 72.0 65.3 97.2 42	1.0	0.25 0.0					
45	46	43	1.0 0.266 0.0	54.6 65.1 66.3 93.0 45		1.0 0.277 0.0 55.0 64.3 66.6 92.5 46	1.0	0.267 0.0	1.0 0.199 0.0 53.0 69.6 65.6 95.7 43	1.0	0.267 0.0					
46	47	44	1.0 0.283 0.0	55.1 63.6 66.6 92.2 46		1.0 0.297 0.0 55.6 62.4 66.9 91.5 47	1.0	0.283 0.0	1.0 0.24 0.0 53.9 67.3 65.9 94.2 44	1.0	0.283 0.0					
47	48	45	1.0 0.3 0.0	55.7 62.1 66.9 91.3 47		1.0 0.318 0.0 56.3 60.6 67.3 90.5 48	1.0	0.3 0.0	1.0 0.267 0.0 54.7 65.1 66.4 93.0 45	1.0	0.3 0.0					
47	49	46	1.0 0.316 0.0	56.2 60.6 67.2 90.5 47		1.0 0.338 0.0 57.0 58.7 67.6 89.5 49	1.0	0.317 0.0	1.0 0.29 0.0 55.4 63.1 66.8 91.9 46	1.0	0.317 0.0					
48	50	47	1.0 0.333 0.0	56.8 59.1 67.5 89.7 48	1.0 0.359 0.0 57.7 56.9 67.8 88.5 50	1.0	0.333 0.0	1.0 0.313 0.0 56.2 61.0 67.2 90.8 47	1.0	0.333 0.0						
49	51	48	1.0 0.35 0.0	57.3 57.6 67.7 88.9 49	1.0 0.378 0.0 58.3 55.1 68.1 87.6 51	1.0	0.35 0.0	1.0 0.336 0.0 56.9 59.0 67.5 89.7 48	1.0	0.35 0.0						
50	52	49	1.0 0.366 0.0	57.9 56.2 67.9 88.1 50	1.0 0.392 0.0 58.9 53.6 68.6 87.0 52	1.0	0.367 0.0	1.0 0.358 0.0 57.7 56.9 67.8 88.6 49	1.0	0.367 0.0						
51	53	51	1.0 0.383 0.0	58.5 54.5 68.2 87.3 51	1.0 0.406 0.0 59.6 52.0 69.0 86.4 53	1.0	0.383 0.0	1.0 0.379 0.0 58.4 55.0 68.1 87.6 51	1.0	0.383 0.0						
52	54	52	1.0 0.4 0.0	59.3 52.6 68.8 86.6 52	1.0 0.42 0.0 60.2 50.4 69.4 85.8 54	1.0	0.4 0.0	1.0 0.395 0.0 59.1 53.2 68.7 86.9 52	1.0	0.4 0.0						
53	55	53	1.0 0.416 0.0	60.0 50.7 69.3 85.9 53	1.0 0.433 0.0 60.8 48.8 69.8 85.2 55	1.0	0.417 0.0	1.0 0.41 0.0 59.7 51.5 69.1 86.2 53	1.0	0.417 0.0						
54	56	54	1.0 0.433 0.0	60.7 48.8 69.7 85.1 54	1.0 0.447 0.0 61.4 47.3 70.1 84.5 56	1.0	0.433 0.0	1.0 0.426 0.0 60.4 49.7 69.6 85.5 54	1.0	0.433 0.0						
56	57	55	1.0 0.45 0.0	61.4 46.9 70.1 84.4 56	1.0 0.461 0.0 62.0 45.7 70.4 83.9 57	1.0	0.45 0.0	1.0 0.441 0.0 61.1 48.0 69.9 84.8 55	1.0	0.45 0.0						
57	58	56	1.0 0.466 0.0	62.2 45.1 70.4 83.6 57	1.0 0.475 0.0 62.6 44.1 70.7 83.3 58	1.0	0.467 0.0	1.0 0.457 0.0 61.8 46.2 70.3 84.1 56	1.0	0.467 0.0						
58	59	57	1.0 0.483 0.0	62.9 43.2 70.7 82.9 58	1.0 0.489 0.0 63.2 42.6 70.9 82.7 59	1.0	0.483 0.0	1.0 0.472 0.0 62.5 44.5 70.6 83.4 57	1.0	0.483 0.0						
59	60	58	1.0 0.5 0.0	63.6 41.3 71.0 82.2 59	1.0 0.502 0.0 63.8 41.1 71.2 82.2 60	1.0	0.5 0.0	1.0 0.488 0.0 63.1 42.8 70.9 82.8 58	1.0	0.5 0.0						
61	61	60	1.0 0.516 0.0	64.5 39.3 71.7 81.8 61	1.0 0.513 0.0 64.4 39.7 71.6 81.9 61	1.0	0.517 0.0	1.0 0.502 0.0 63.8 41.1 71.2 82.2 60	1.0	0.517 0.0						
62	62	61	1.0 0.533 0.0	65.3 37.2 72.4 81.4 62	1.0 0.525 0.0 64.9 38.3 72.1 81.7 62	1.0	0.533 0.0	1.0 0.515 0.0 64.4 39.5 71.7 81.9 61	1.0	0.533 0.0						
64	63	62	1.0 0.55 0.0	66.2 35.1 73.0 81.0 64	1.0 0.536 0.0 65.5 37.0 72.5 81.4 63	1.0	0.55 0.0	1.0 0.527 0.0 65.1 38.0 72.2 81.6 62	1.0	0.55 0.0						
65	64	63	1.0 0.566 0.0	67.1 33.0 73.5 80.6 65	1.0 0.547 0.0 66.1 35.6 72.9 81.1 64	1.0	0.567 0.0	1.0 0.54 0.0 65.7 36.5 72.7 81.3 63	1.0	0.567 0.0						
67	65	64	1.0 0.583 0.0	67.9 31.0 74.0 80.3 67	1.0 0.558 0.0 66.7 34.2 73.3 80.9 65	1.0	0.583 0.0	1.0 0.552 0.0 66.4 34.9 73.1 81.0 64	1.0	0.583 0.0						
68	66	65	1.0 0.6 0.0	68.8 28.9 74.5 79.9 68	1.0 0.569 0.0 67.2 32.8 73.7 80.6 66	1.0	0.6 0.0	1.0 0.564 0.0 67.0 33.4 73.5 80.7 65	1.0	0.6 0.0						
70	67	66	1.0 0.616 0.0	69.6 26.8 74.8 79.5 70	1.0 0.58 0.0 67.8 31.4 74.0 80.4 67	1.0	0.617 0.0	1.0 0.577 0.0 67.6 31.8 73.9 80.5 66	1.0	0.617 0.0						
71	68	67	1.0 0.633 0.0	70.5 24.7 75.4 79.4 71	1.0 0.591 0.0 68.4 30.0 74.3 80.1 68	1.0	0.633 0.0	1.0 0.589 0.0 68.3 30.3 74.2 80.2 67	1.0	0.633 0.0						
73	69	68	1.0 0.65 0.0	71.5 22.7 76.2 79.5 73	1.0 0.602 0.0 69.0 28.6 74.6 79.9 69	1.0	0.65 0.0	1.0 0.602 0.0 68.9 28.7 74.5 79.9 68	1.0	0.65 0.0						
75	70	70	1.0 0.666 0.0	72.4 20.6 76.9 79.7 75	1.0 0.614 0.0 69.5 27.2 74.8 79.6 70	1.0	0.667 0.0	1.0 0.614 0.0 69.5 27.2 74.8 79.6 70	1.0	0.667 0.0						
76	71	71	1.0 0.683 0.0	73.4 18.5 77.6 79.8 76	1.0 0.625 0.0 70.1 25.8 75.0 79.4 71	1.0	0.683 0.0	1.0 0.626 0.0 70.2 25.6 75.1 79.4 71	1.0	0.683 0.0						
78	72	72	1.0 0.7 0.0	74.3 16.3 78.2 79.9 78	1.0 0.635 0.0 70.7 24.5 75.6 79.4 72	1.0	0.7 0.0	1.0 0.638 0.0 70.9 24.2 75.7 79.5 72	1.0	0.7 0.0						
79	73	73	1.0 0.716 0.0	75.3 14.2 78.8 80.1 79	1.0 0.646 0.0 71.3 23.3 76.1 79.5 73	1.0	0.717 0.0	1.0 0.65 0.0 71.5 22.8 76.2 79.6 73	1.0	0.717 0.0						
81	74	74	1.0 0.733 0.0	76.2 12.0 79.3 80.2 81	1.0 0.656 0.0 71.9 21.9 76.5 79.6 74	1.0	0.733 0.0	1.0 0.661 0.0 72.2 21.3 76.8 79.7 74	1.0	0.733 0.0						
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						

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}					$LAB^*_{dd361Mi}(x=LabCh)$					$rgb^*_{ds361Mi}$					$LAB^*_{ds361Mi}(x=LabCh)$					$rgb^*_{dd361Mi}$					$rgb^*_{de361Mi}$					$LAB^*_{dex361Mi}(x=LabCh)$					$rgb^*_{dd361Mi}$					$rgb^*_{dd361Mi}$	$rgb^*_{ds361Mi}$	$rgb^*_{de361Mi}$
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																																											

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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	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	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
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
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
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
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
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
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
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
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
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
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
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
135	147	158	0.049	1.0	0.0	83.6	-82.2	79.9	114.7	135	0.0	1.0	0.462	84.2	-75.1	48.8	89.7
135	148	159	0.033	1.0	0.0	83.6	-82.4	79.9	114.8	135	0.0	1.0	0.485	84.3	-74.3	46.5	87.7
135	149	161	0.016	1.0	0.0	83.6	-82.6	79.9	114.9	135	0.0	1.0	0.506	84.4	-73.5	44.2	85.9
136	150	162	0.0	1.0	0.0	83.6	-82.7	79.8	115.0	136	G _d 0.0	1.0	0.523	84.4	-72.9	42.1	84.3
136	151	163	0.0	1.0	0.016	83.6	-82.7	79.4	114.6	136	0.0	1.0	0.541	84.5	-72.3	40.1	82.7
136	152	164	0.0	1.0	0.033	83.6	-82.6	79.0	114.3	136	0.0	1.0	0.558	84.5	-71.6	38.1	81.2
136	153	164	0.0	1.0	0.05	83.6	-82.5	78.5	113.9	136	0.0	1.0	0.575	84.6	-70.8	36.1	79.6
136	154	165	0.0	1.0	0.066	83.6	-82.4	78.1	113.5	136	0.0	1.0	0.592	84.7	-70.0	34.2	78.0
136	155	166	0.0	1.0	0.083	83.6	-82.3	77.6	113.2	136	0.0	1.0	0.61	84.7	-69.2	32.3	76.5
136	156	167	0.0	1.0	0.1	83.6	-82.2	77.2	112.8	136	0.0	1.0	0.626	84.8	-68.4	30.5	74.9
136	157	168	0.0	1.0	0.116	83.6	-82.1	76.8	112.5	136	0.0	1.0	0.639	84.9	-67.8	28.8	73.8
137	158	169	0.0	1.0	0.133	83.6	-82.0	76.0	111.9	137	0.0	1.0	0.652	84.9	-67.3	27.2	72.7
137	159	170	0.0	1.0	0.15	83.7	-81.8	75.0	111.0	137	0.0	1.0	0.665	85.0	-66.7	25.6	71.6
137	160	171	0.0	1.0	0.166	83.7	-81.6	74.0	110.2	137	0.0	1.0	0.678	85.0	-66.1	24.1	70.4
138	161	172	0.0	1.0	0.183	83.7	-81.4	73.0	109.4	138	0.0	1.0	0.691	85.1	-65.4	22.6	69.3
138	162	173	0.0	1.0	0.2	83.7	-81.2	72.0	108.6	138	0.0	1.0	0.703	85.1	-64.7	21.1	68.2
138	163	174	0.0	1.0	0.216	83.7	-81.0	71.1	107.8	138	0.0	1.0	0.716	85.2	-64.0	19.6	67.0
139	164	175	0.0	1.0	0.233	83.7	-80.8	70.1	106.9	139	0.0	1.0	0.729	85.3	-63.3	18.2	65.9
139	165	175	0.0	1.0	0.25	83.8	-80.5	69.1	106.1	139	0.0	1.0	0.742	85.3	-62.5	16.8	64.8

1-003730-L0

PE810-70

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 8/29

TUB-test chart PE81; 16 step hue circle
48 step hue circles; rgb-LabCh*tables

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

TUB registration: 20130201-PE81/PE81L0NA.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 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	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

1-003830-L0 PE810-70 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 PE81; 16 step hue circle
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 *RYGCBM*_s; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd}361M$			$LAB^*_{ds}361Mi(x=LabCh)$			C_d	$rgb^*_{ds}361Mi$			$LAB^*_{ds}361Mi(x=LabCh)$			C_s	$rgb^*_{dd}361Mi$			$rgb^*_{de}361Mi$			$LAB^*_{dex}361Mi(x=LabCh)$			C_e	$rgb^*_{dd}361Mi$			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}			
196	210	216	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1	196	0.0	0.927	1.0	81.7	-38.6	-22.2	44.7	210	0.0	1.0	1.0	0.0	0.89	1.0	79.1	-34.2	-25.7	42.9	216	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	-42.1	-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														

PE810-70	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 10/29

TUB-test chart PE81; 16 step hue circle
48 step hue circles; *rgb-LabCh** tables

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

TUB registration: 20130201-PE81/PE81L0NA.TXT /.PS
 application for measurement of display output, no separation

TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmietrik/PE81/PE81.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* dxx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	rgb* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	rgb*			
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 -100.8 123.2 305	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	B_d 0.0 0.624 1.0	60.2 0.0 -54.7 54.8 270	B_s 0.0 0.0 1.0	0.0 0.609 1.0	59.3 1.7 -56.5 56.6 271	B_e 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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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				
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 1.0	0.0 0.38 1.0	44.2 36.8 -80.7 88.8 294	0.4 0.0 1.0				
310	295	295	0.416 0.0 1.0	36.3 78.6 -93.5 122.2 310	0.0 0.373 1.0	43.7 38.0 -81.4 89.9 295	0.417 0.0 1.0	0.0 0.364 1.0	43.3 39.2 -82.2 91.2 295	0.417 0.0 1.0				
310	296	296	0.433 0.0 1.0	36.7 78.9 -92.7 121.8 310	0.0 0.353 1.0	42.7 40.7 -83.3 92.8 296	0.433 0.0 1.0	0.0 0.345 1.0	42.3 41.7 -84.0 93.9 296	0.433 0.0 1.0				
310	297	297	0.45 0.0 1.0	37.2 79.1 -92.0 121.3 310	0.0 0.333 1.0	41.6 43.5 -85.2 95.7 297	0.45 0.0 1.0	0.0 0.327 1.0	41.3 44.4 -85.8 96.7 297	0.45 0.0 1.0				
311	298	298	0.466 0.0 1.0	37.6 79.3 -91.2 120.9 311	0.0 0.313 1.0	40.5 46.3 -87.0 98.6 298	0.467 0.0 1.0	0.0 0.308 1.0	40.3 47.1 -87.5 99.4 298	0.467 0.0 1.0				
311	299	299	0.483 0.0 1.0	38.1 79.6 -90.4 120.5 311	0.0 0.293 1.0	39.5 49.2 -88.7 101.5 299	0.483 0.0 1.0	0.0 0.289 1.0	39.2 49.9 -89.1 102.2 299	0.483 0.0 1.0				
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				

1-0031030-L0 PE810-70 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 11/29

TUB-test chart PE81; 16 step hue circle
48 step hue circles; rgb-LabCh*tables

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

TUB registration: 20130201-PE81/PE81L0NA.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 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* dxx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	rgb* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	rgb*											
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 -77.1 114.8 317	0.551 0.0 1.0	40.3 81.0 -86.8 118.8 313	0.717 0.0 1.0	0.532 0.0 1.0	39.6 80.6 -87.9 119.3 312	0.717 0.0 1.0												
318	314	313	0.733 0.0 1.0	46.6 85.4 -76.1 114.4 318	0.59 0.0 1.0	41.6 81.8 -84.6 117.8 314	0.733 0.0 1.0	0.569 0.0 1.0	40.8 81.4 -85.8 118.3 313	0.733 0.0 1.0												
318	315	314	0.75 0.0 1.0	47.2 85.8 -75.1 114.0 318	0.628 0.0 1.0	42.8 82.6 -82.5 116.8 315	0.75 0.0 1.0	0.605 0.0 1.0	42.1 82.1 -83.8 117.4 314	0.75 0.0 1.0												
319	316	315	0.766 0.0 1.0	47.9 86.4 -74.0 113.8 319	0.66 0.0 1.0	44.0 83.5 -80.6 116.1 316	0.767 0.0 1.0	0.639 0.0 1.0	43.2 82.9 -81.8 116.6 315	0.767 0.0 1.0												
320	317	316	0.783 0.0 1.0	48.5 87.0 -72.9 113.5 320	0.692 0.0 1.0	45.2 84.4 -78.6 115.4 317	0.783 0.0 1.0	0.669 0.0 1.0	44.3 83.8 -80.0 115.9 316	0.783 0.0 1.0												
320	318	317	0.8 0.0 1.0	49.2 87.5 -71.8 113.2 320	0.724 0.0 1.0	46.3 85.2 -76.6 114.7 318	0.8 0.0 1.0	0.699 0.0 1.0	45.4 84.6 -78.1 115.2 317	0.8 0.0 1.0												
321	319	318	0.816 0.0 1.0	49.8 88.1 -70.7 113.0 321	0.755 0.0 1.0	47.5 86.0 -74.7 114.0 319	0.817 0.0 1.0	0.729 0.0 1.0	46.5 85.4 -76.3 114.5 318	0.817 0.0 1.0												
321	320	319	0.833 0.0 1.0	50.5 88.6 -69.6 112.7 321	0.783 0.0 1.0	48.6 87.0 -72.9 113.6 320	0.833 0.0 1.0	0.758 0.0 1.0	47.6 86.2 -74.5 114.0 319	0.833 0.0 1.0												
322	321	320	0.85 0.0 1.0	51.2 89.1 -68.5 112.4 322	0.81 0.0 1.0	49.7 87.9 -71.1 113.1 321	0.85 0.0 1.0	0.785 0.0 1.0	48.6 87.1 -72.8 113.5 320	0.85 0.0 1.0												
323	322	321	0.866 0.0 1.0	51.8 89.6 -67.4 112.1 323	0.838 0.0 1.0	50.7 88.8 -69.3 112.7 322	0.867 0.0 1.0	0.811 0.0 1.0	49.7 87.9 -71.0 113.1 321	0.867 0.0 1.0												
323	323	321	0.883 0.0 1.0	52.5 90.1 -66.3 111.9 323	0.866 0.0 1.0	51.8 89.6 -67.4 112.2 323	0.883 0.0 1.0	0.837 0.0 1.0	50.7 88.8 -69.3 112.7 321	0.883 0.0 1.0												
324	324	322	0.9 0.0 1.0	53.2 90.8 -65.2 111.8 324	0.892 0.0 1.0	52.9 90.5 -65.7 111.9 324	0.9 0.0 1.0	0.864 0.0 1.0	51.7 89.5 -67.6 112.2 322	0.9 0.0 1.0												
324	325	323	0.916 0.0 1.0	53.8 91.4 -64.1 111.6 324	0.918 0.0 1.0	53.9 91.5 -64.0 111.7 325	0.917 0.0 1.0	0.889 0.0 1.0	52.8 90.4 -65.9 111.9 323	0.917 0.0 1.0												
325	326	324	0.933 0.0 1.0	54.5 92.0 -62.9 111.5 325	0.943 0.0 1.0	55.0 92.4 -62.2 111.5 326	0.933 0.0 1.0	0.913 0.0 1.0	53.7 91.3 -64.3 111.7 324	0.933 0.0 1.0												
326	327	325	0.95 0.0 1.0	55.2 92.6 -61.8 111.4 326	0.969 0.0 1.0	56.0 93.3 -60.5 111.3 327	0.95 0.0 1.0	0.937 0.0 1.0	54.7 92.2 -62.6 111.5 325	0.95 0.0 1.0												
326	328	326	0.966 0.0 1.0	55.9 93.2 -60.7 111.2 326	0.994 0.0 1.0	57.1 94.2 -58.7 111.0 328	0.967 0.0 1.0	0.961 0.0 1.0	55.7 93.1 -61.0 111.3 326	0.967 0.0 1.0												
327	329	327	0.983 0.0 1.0	56.6 93.8 -59.5 111.1 327	1.0 0.0 0.984	57.1 93.9 -56.4 109.6 329	0.983 0.0 1.0	0.985 0.0 1.0	56.7 93.9 -59.3 111.1 327	0.983 0.0 1.0												
328	330	328	1.0 0.0 1.0	57.2 94.3 -58.4 110.9 328	M _d 1.0 0.0 0.962	56.8 93.4 -53.8 107.8 330	M _s 1.0 0.0 1.0	1.0 0.0 0.992	57.2 94.2 -57.4 110.3 328	M _e 1.0 0.0 1.0												
329	331	329	1.0 0.0 0.983	57.0 93.9 -56.4 109.5 329	1.0 0.0 0.941	56.5 92.7 -51.3 106.0 331	1.0 0.0 0.983	1.0 0.0 0.972	56.9 93.6 -54.9 108.6 329	1.0 0.0 0.983												
329	332	330	1.0 0.0 0.966	56.8 93.4 -54.4 108.1 329	1.0 0.0 0.919	56.2 92.0 -48.8 104.2 332	1.0 0.0 0.967	1.0 0.0 0.951	56.7 93.0 -52.5 106.9 330	1.0 0.0 0.967												
330	333	331	1.0 0.0 0.95	56.6 92.9 -52.4 106.7 330	1.0 0.0 0.898	55.9 91.2 -46.4 102.4 333	1.0 0.0 0.95	1.0 0.0 0.931	56.4 92.4 -50.2 105.2 331	1.0 0.0 0.95												
331	334	332	1.0 0.0 0.933	56.4 92.4 -50.5 105.3 331	1.0 0.0 0.876	55.7 90.4 -44.0 100.5 334	1.0 0.0 0.933	1.0 0.0 0.911	56.1 91.7 -47.8 103.4 332	1.0 0.0 0.933												
332	335	333	1.0 0.0 0.916	56.1 91.8 -48.6 103.9 332	1.0 0.0 0.86	55.5 90.0 -41.9 99.3 335	1.0 0.0 0.917	1.0 0.0 0.89	55.8 90.9 -45.5 101.7 333	1.0 0.0 0.917												
332	336	334	1.0 0.0 0.9	55.9 91.2 -46.7 102.5 332	1.0 0.0 0.843	55.3 89.6 -39.8 98.1 336	1.0 0.0 0.9	1.0 0.0 0.871	55.6 90.2 -43.3 100.2 334	1.0 0.0 0.9												
333	337	335	1.0 0.0 0.883	55.7 90.6 -44.8 101.1 333	1.0 0.0 0.827	55.1 89.2 -37.8 96.9 337	1.0 0.0 0.883	1.0 0.0 0.856	55.4 89.9 -41.4 99.0 335	1.0 0.0 0.883												
334	338	336	1.0 0.0 0.866	55.5 90.1 -42.8 99.8 334	1.0 0.0 0.811	54.9 88.8 -35.8 95.8 338	1.0 0.0 0.867	1.0 0.0 0.84	55.2 89.6 -39.4 97.9 336	1.0 0.0 0.867												
335	339	337	1.0 0.0 0.85	55.3 89.8 -40.7 98.6 335	1.0 0.0 0.794	54.7 88.3 -33.8 94.6 339	1.0 0.0 0.85	1.0 0.0 0.825	55.1 89.2 -37.5 96.8 337	1.0 0.0 0.85												
336	340	338	1.0 0.0 0.833	55.1 89.4 -38.6 97.4 336	1.0 0.0 0.778	54.5 87.7 -31.8 93.4 340	1.0 0.0 0.833	1.0 0.0 0.809	54.9 88.7 -35.6 95.7 338	1.0 0.0 0.833												
337	341	339	1.0 0.0 0.816	54.9 88.9 -36.6 96.2 337	1.0 0.0 0.761	54.3 87.2 -29.9 92.2 341	1.0 0.0 0.817	1.0 0.0 0.794	54.7 88.3 -33.7 94.5 339	1.0 0.0 0.817												
338	342	339	1.0 0.0 0.8	54.7 88.4 -34.5 94.9 338	1.0 0.0 0.746	54.2 86.7 -28.1 91.1 342	1.0 0.0 0.8	1.0 0.0 0.778	54.5 87.8 -31.9 93.4 339	1.0 0.0 0.8												
339	343	340	1.0 0.0 0.783	54.5 87.9 -32.5 93.7 339	1.0 0.0 0.733	54.1 86.5 -26.3 90.5 343	1.0 0.0 0.783	1.0 0.0 0.763	54.4 87.2 -30.0 92.3 340	1.0 0.0 0.783												
340	344	341	1.0 0.0 0.766	54.4 87.3 -30.6 92.5 340	1.0 0.0 0.72	53.9 86.3 -24.6 89.8 344	1.0 0.0 0.767	1.0 0.0 0.748	54.2 86.7 -28.3 91.2 341	1.0 0.0 0.767												
341	345	342	1.0 0.0 0.75	54.2 86.7 -28.6 91.3 341	1.0 0.0 0.707	53.8 86.0 -23.0 89.1 345	1.0 0.0 0.75	1.0 0.0 0.735	54.1 86.5 -26.6 90.6 342	1.0 0.0 0.75												

1-0031130-L0 PE810-70 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

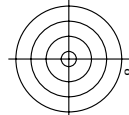
Output: sRGB standard device; no separation, D65, page 12/29

TUB-test chart PE81; 16 step hue circle
48 step hue circles; rgb-LabCh*tables

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

TUB registration: 20130201-PE81/PE81L0NA.TXT /.PS
application for measurement of display output, no separation

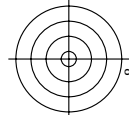
TUB material: code=rha4ta



TUB material: code=rha4ta

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

PE810-7N, Page 14/29-F



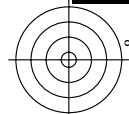
TUB material: code=rha4ta

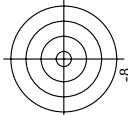
input: *rgb/cmyk* → *rgba*
output: transfer to *rgba*

Mean color difference of this page:

DE810-7N, Page 15/29-F

TUB-test chart PE81; 16 step hue circle colors and differences. ΔE^* ,

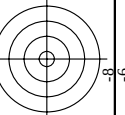




TUB material: code=rha4ta

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

	HIC*Pd	rbp_Pd	icd_Pd	h3s_Pd	rbp*Pd	LubCh*Pd	LubCh*Pd	rbp*Pd	DE**Pd	h3s**Pd	rbp**Pd	LubCh**Pd	
1	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	B00R_025.012n	0.0	0.125	0.062	270	0.0	0.125	3.7	9.5	-12.9	16.0	366.2	0.0
3	B00R_025.025n	0.0	0.25	0.125	270	0.0	0.25	7.5	19.5	-35.8	32.1	366.2	0.0
4	B00R_037.037n	0.0	0.375	0.187	270	0.0	0.375	11.3	28.5	-68.8	48.1	366.2	0.0
5	B00R_050.050n	0.0	0.5	0.25	270	0.0	0.5	15.1	38.0	-54.7	64.2	366.2	0.0
6	B00R_062.062n	0.0	0.625	0.312	270	0.0	0.625	18.9	47.5	-67.7	96.3	366.2	0.0
7	B00R_075.075n	0.0	0.75	0.375	270	0.0	0.75	22.7	57.0	-77.6	96.3	366.2	0.0
8	B00R_087.087n	0.0	0.875	0.437	270	0.0	0.875	26.5	66.5	-90.6	112.4	366.2	0.0
9	B00R_100.100n	0.0	1.0	0.5	270	0.0	1.0	30.3	76.0	-103.5	128.5	366.2	0.0
10	G00B_012.012n	0.0	0.125	0.062	210	0.0	0.125	10.8	14.3	-16.7	31.9	366.2	0.0
11	G00B_012.025n	0.0	0.125	0.062	210	0.0	0.125	10.8	14.3	-16.7	31.9	366.2	0.0
12	G73B_037.037n	0.0	0.125	0.25	240	0.0	0.125	12.9	15.2	-17.6	36.7	366.2	0.0
13	G98B_037.037n	0.0	0.125	0.25	240	0.0	0.125	12.9	15.2	-17.6	36.7	366.2	0.0
14	G98B_050.050n	0.0	0.125	0.25	240	0.0	0.125	12.9	15.2	-17.6	36.7	366.2	0.0
15	G98B_062.062n	0.0	0.125	0.25	240	0.0	0.125	12.9	15.2	-17.6	36.7	366.2	0.0
16	G98B_075.075n	0.0	0.125	0.25	240	0.0	0.125	12.9	15.2	-17.6	36.7	366.2	0.0
17	G98B_087.087n	0.0	0.125	0.25	240	0.0	0.125	12.9	15.2	-17.6	36.7	366.2	0.0
18	G98B_100.100n	0.0	0.125	0.25	240	0.0	0.125	12.9	15.2	-17.6	36.7	366.2	0.0
19	G00B_025.025n	0.0	0.25	0.125	180	0.0	0.25	0.209	26.7	36.7	29.8	366.2	0.0
20	G00B_025.025n	0.0	0.25	0.125	180	0.0	0.25	0.209	26.7	36.7	29.8	366.2	0.0
21	G00B_025.025n	0.0	0.25	0.125	180	0.0	0.25	0.209	26.7	36.7	29.8	366.2	0.0
22	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
23	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
24	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
25	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
26	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
27	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
28	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
29	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
30	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
31	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
32	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
33	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
34	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
35	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
36	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
37	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
38	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
39	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
40	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
41	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
42	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
43	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
44	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
45	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
46	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
47	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
48	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
49	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
50	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
51	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
52	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
53	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
54	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
55	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
56	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
57	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
58	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
59	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
60	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
61	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
62	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
63	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
64	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
65	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
66	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
67	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
68	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
69	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
70	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
71	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
72	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
73	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
74	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
75	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
76	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
77	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
78	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
79	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
80	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
81	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
82	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
83	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
84	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
85	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
86	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
87	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
88	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
89	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
90	G00B_037.037n	0.0	0.375	0.187	240	0.0	0.375	0.375	32.5	44.1	14.4	366.2	0.0
9													



TUB material: code=rha4ta

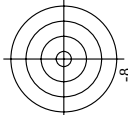
TUB-test chart PE81; 16 step hue circle
colors and differences. ΔE^* ,

Mean color difference of this page:

050D_100_

-0031630-E0

[illegible]



TUB material: code=rha4ta

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

[illegible]

see similar files: <http://130.149.60.45/~farbmatrik/PE81/PE81.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

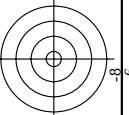
input: *rgb/cmyk* $\rightarrow$ *rgba*
output: transfer to *rgba*

TUB-test chart PE81; 16 step hue circle

PF810-7N P300 20/20-F

0031030 F0

	h ₂ _rd	rg _b _rd	iz ₁ _rd	LaCh ⁺ rd	rg _b _rd	LaCh ⁺ rd	LaCh ⁺ rd	DE ⁺ rd	rg _b _rd	LaCh ⁺ rd	LaCh ⁺ rd
24	R059_050_050d4	0.5	0.0	0.5	0.5	0.0	0.0	32.2	50.2	40.0	35.7
25	R060_050_050d4	0.5	0.0	0.116	0.5	0.0	0.0	20.6	44.1	27.8	20.3
26	R061_050_050d4	0.5	0.0	0.25	0.5	0.0	0.0	26.0	40.5	2.9	48.8
27	R062_050_050d4	0.5	0.0	0.383	0.5	0.0	0.0	46.2	34.6	0.5	48.8
28	R063_050_050d4	0.5	0.0	0.5	0.5	0.0	0.0	28.6	47.1	32.2	56.4
29	R064_062_062d4	0.5	0.0	0.625	0.312	0.51	0.55	55.0	38.6	32.2	56.4
30	R065_062_062d4	0.5	0.0	0.75	0.375	0.51	0.625	44.2	70.4	32.2	56.4
31	R066_062_062d4	0.5	0.0	0.875	0.437	0.51	0.75	33.6	63.1	32.2	56.4
32	R067_062_062d4	0.5	0.0	1.0	0.5	0.0	0.875	69.7	120.0	311.6	311.6
33	R068_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
34	R069_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
35	R070_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
36	R071_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
37	R072_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
38	R073_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
39	R074_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
40	R075_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
41	R076_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
42	R077_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
43	R078_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
44	R079_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
45	R080_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
46	R081_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
47	R082_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
48	R083_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
49	R084_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
50	R085_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
51	R086_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
52	R087_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
53	R088_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
54	R089_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
55	R090_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
56	R091_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
57	R092_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
58	R093_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
59	R094_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
60	R095_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
61	R096_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
62	R097_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
63	R098_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
64	R099_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
65	R100_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
66	R101_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
67	R102_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
68	R103_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
69	R104_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
70	R105_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
71	R106_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
72	R107_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
73	R108_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
74	R109_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
75	R110_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
76	R111_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
77	R112_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
78	R113_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
79	R114_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
80	R115_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
81	R116_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
82	R117_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
83	R118_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
84	R119_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
85	R120_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
86	R121_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
87	R122_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
88	R123_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
89	R124_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
90	R125_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
91	R126_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
92	R127_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
93	R128_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
94	R129_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
95	R130_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
96	R131_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
97	R132_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
98	R133_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
99	R134_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2
100	R135_062_062d4	0.5	0.0	1.0	0.5	0.0	1.0	38.8	33.8	32.2	44.2



TUB material: code=rha4ta

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

PF810-7N Page 21/20-E

TUB registration: 20130201-PE81/PE81LONA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

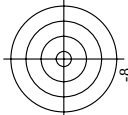
see similar files: <http://130.149.60.45/~farbmatrik/PE81/PE81.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

<http://130.149.60.45/~farbmatrik/PE81/PE81LONA.TXT> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 23/29

TUB-test chart PE81; 16 step hue circle
colors and differences, ΔE^*

PE810-7N, Page 23/29-F

n	H1C*Fid	rgb*Fid	icL*Fid	hsa*Fid	rgb*Fid	LabCH*Fid	LabCH*Fid	DF*Fid	hsa*Fid	rgb*Fid	LabCH*Fid	LabCH*Fid
567	R00Y,087,087A	0.875, 0.0, 0.0	0.875, 0.875, 0.437	390	0.875, 0.0, 0.0	44.1, 67.3	56.4	87.8	44.1	69.5	58.3	90.8
568	R36Y,087,087A	0.875, 0.0, 0.125	0.875, 0.875, 0.437	382	0.875, 0.0, 0.125	44.2, 67.3	56.4	87.8	44.2	69.5	58.3	90.8
569	R72Y,087,087A	0.875, 0.0, 0.25	0.875, 0.875, 0.437	374	0.875, 0.0, 0.25	44.3, 67.3	56.4	87.8	44.3	69.5	58.3	90.8
570	R108Y,087,087A	0.875, 0.0, 0.375	0.875, 0.875, 0.437	366	0.875, 0.0, 0.375	44.4, 67.3	56.4	87.8	44.4	69.5	58.3	90.8
571	R144Y,087,087A	0.875, 0.0, 0.5	0.875, 0.875, 0.437	358	0.875, 0.0, 0.5	44.5, 67.3	56.4	87.8	44.5	69.5	58.3	90.8
572	R180Y,087,087A	0.875, 0.0, 0.625	0.875, 0.875, 0.437	350	0.875, 0.0, 0.625	44.6, 67.3	56.4	87.8	44.6	69.5	58.3	90.8
573	R216Y,087,087A	0.875, 0.0, 0.75	0.875, 0.875, 0.437	342	0.875, 0.0, 0.75	44.7, 67.3	56.4	87.8	44.7	69.5	58.3	90.8
574	B44R,100,100A	0.875, 0.0, 1.0	0.875, 0.875, 0.437	326	0.875, 0.0, 1.0	44.9, 67.3	56.4	87.8	44.9	69.5	58.3	90.8
575	R13Y,100,100A	0.875, 0.125, 0.0	0.875, 0.875, 0.437	318	0.875, 0.125, 0.0	45.0, 67.3	56.4	87.8	45.0	69.5	58.3	90.8
576	R00Y,087,075A	0.875, 0.125, 0.125	0.875, 0.875, 0.437	310	0.875, 0.125, 0.125	45.1, 67.3	56.4	87.8	45.1	69.5	58.3	90.8
577	R36Y,087,075A	0.875, 0.125, 0.25	0.875, 0.875, 0.437	302	0.875, 0.125, 0.25	45.2, 67.3	56.4	87.8	45.2	69.5	58.3	90.8
578	R72Y,087,075A	0.875, 0.125, 0.375	0.875, 0.875, 0.437	294	0.875, 0.125, 0.375	45.3, 67.3	56.4	87.8	45.3	69.5	58.3	90.8
579	R108Y,087,075A	0.875, 0.125, 0.5	0.875, 0.875, 0.437	286	0.875, 0.125, 0.5	45.4, 67.3	56.4	87.8	45.4	69.5	58.3	90.8
580	R144Y,087,075A	0.875, 0.125, 0.625	0.875, 0.875, 0.437	278	0.875, 0.125, 0.625	45.5, 67.3	56.4	87.8	45.5	69.5	58.3	90.8
581	R180Y,087,075A	0.875, 0.125, 0.75	0.875, 0.875, 0.437	270	0.875, 0.125, 0.75	45.6, 67.3	56.4	87.8	45.6	69.5	58.3	90.8
582	R216Y,087,075A	0.875, 0.125, 0.875	0.875, 0.875, 0.437	262	0.875, 0.125, 0.875	45.7, 67.3	56.4	87.8	45.7	69.5	58.3	90.8
583	B44R,100,087A	0.875, 0.125, 1.0	0.875, 0.875, 0.437	254	0.875, 0.125, 1.0	45.8, 67.3	56.4	87.8	45.8	69.5	58.3	90.8
584	R26Y,087,075A	0.875, 0.25, 0.0	0.875, 0.875, 0.437	246	0.875, 0.25, 0.0	45.9, 67.3	56.4	87.8	45.9	69.5	58.3	90.8
585	R13Y,087,075A	0.875, 0.25, 0.125	0.875, 0.875, 0.437	238	0.875, 0.25, 0.125	46.0, 67.3	56.4	87.8	46.0	69.5	58.3	90.8
586	R00Y,087,062A	0.875, 0.25, 0.25	0.875, 0.875, 0.437	230	0.875, 0.25, 0.25	46.1, 67.3	56.4	87.8	46.1	69.5	58.3	90.8
587	R36Y,087,062A	0.875, 0.25, 0.375	0.875, 0.875, 0.437	222	0.875, 0.25, 0.375	46.2, 67.3	56.4	87.8	46.2	69.5	58.3	90.8
588	R72Y,087,062A	0.875, 0.25, 0.5	0.875, 0.875, 0.437	214	0.875, 0.25, 0.5	46.3, 67.3	56.4	87.8	46.3	69.5	58.3	90.8
589	R108Y,087,062A	0.875, 0.25, 0.625	0.875, 0.875, 0.437	206	0.875, 0.25, 0.625	46.4, 67.3	56.4	87.8	46.4	69.5	58.3	90.8
590	R144Y,087,062A	0.875, 0.25, 0.75	0.875, 0.875, 0.437	198	0.875, 0.25, 0.75	46.5, 67.3	56.4	87.8	46.5	69.5	58.3	90.8
591	B59R,087,062A	0.875, 0.25, 0.875	0.875, 0.875, 0.437	190	0.875, 0.25, 0.875	46.6, 67.3	56.4	87.8	46.6	69.5	58.3	90.8
592	B42R,100,075A	0.875, 0.25, 1.0	0.875, 0.875, 0.437	182	0.875, 0.25, 1.0	46.7, 67.3	56.4	87.8	46.7	69.5	58.3	90.8
593	R13Y,087,075A	0.875, 0.375, 0.0	0.875, 0.875, 0.437	174	0.875, 0.375, 0.0	46.8, 67.3	56.4	87.8	46.8	69.5	58.3	90.8
594	R00Y,087,075A	0.875, 0.375, 0.125	0.875, 0.875, 0.437	166	0.875, 0.375, 0.125	46.9, 67.3	56.4	87.8	46.9	69.5	58.3	90.8
595	R36Y,087,075A	0.875, 0.375, 0.25	0.875, 0.875, 0.437	158	0.875, 0.375, 0.25	47.0, 67.3	56.4	87.8	47.0	69.5	58.3	90.8
596	R72Y,087,075A	0.875, 0.375, 0.375	0.875, 0.875, 0.437	150	0.875, 0.375, 0.375	47.1, 67.3	56.4	87.8	47.1	69.5	58.3	90.8
597	R108Y,087,075A	0.875, 0.375, 0.5	0.875, 0.875, 0.437	142	0.875, 0.375, 0.5	47.2, 67.3	56.4	87.8	47.2	69.5	58.3	90.8
598	R144Y,087,075A	0.875, 0.375, 0.625	0.875, 0.875, 0.437	134	0.875, 0.375, 0.625	47.3, 67.3	56.4	87.8	47.3	69.5	58.3	90.8
599	B59R,087,062A	0.875, 0.375, 0.75	0.875, 0.875, 0.437	126	0.875, 0.375, 0.75	47.4, 67.3	56.4	87.8	47.4	69.5	58.3	90.8
600	B42R,100,050A	0.875, 0.375, 0.875	0.875, 0.875, 0.437	118	0.875, 0.375, 0.875	47.5, 67.3	56.4	87.8	47.5	69.5	58.3	90.8
601	R36Y,087,050A	0.875, 0.375, 1.0	0.875, 0.875, 0.437	110	0.875, 0.375, 1.0	47.6, 67.3	56.4	87.8	47.6	69.5	58.3	90.8
602	R00Y,087,062A	0.875, 0.5, 0.0	0.875, 0.875, 0.437	102	0.875, 0.5, 0.0	47.7, 67.3	56.4	87.8	47.7	69.5	58.3	90.8
603	R36Y,087,062A	0.875, 0.5, 0.125	0.875, 0.875, 0.437	94	0.875, 0.5, 0.125	47.8, 67.3	56.4	87.8	47.8	69.5	58.3	90.8
604	R72Y,087,062A	0.875, 0.5, 0.25	0.875, 0.875, 0.437	86	0.875, 0.5, 0.25	47.9, 67.3	56.4	87.8	47.9	69.5	58.3	90.8
605	R108Y,087,062A	0.875, 0.5, 0.375	0.875, 0.875, 0.437	78	0.875, 0.5, 0.375	48.0, 67.3	56.4	87.8	48.0	69.5	58.3	90.8
606	R144Y,087,062A	0.875, 0.5, 0.5	0.875, 0.875, 0.437	70	0.875, 0.5, 0.5	48.1, 67.3	56.4	87.8	48.1	69.5	58.3	90.8
607	B59R,087,050A	0.875, 0.5, 0.625	0.875, 0.875, 0.437	62	0.875, 0.5, 0.625	48.2, 67.3	56.4	87.8	48.2	69.5	58.3	90.8
608	R36Y,087,050A	0.875, 0.5, 0.75	0.875, 0.875, 0.437	54	0.875, 0.5, 0.75	48.3, 67.3	56.4	87.8	48.3	69.5	58.3	90.8
609	R00Y,087,050A	0.875, 0.5, 0.875	0.875, 0.875, 0.437	46	0.875, 0.5, 0.875	48.4, 67.3	56.4	87.8	48.4	69.5	58.3	90.8
610	B42R,100,037A	0.875, 0.5, 1.0	0.875, 0.875, 0.437	38	0.875, 0.5, 1.0	48.5, 67.3	56.4	87.8	48.5	69.5	58.3	90.8
611	R36Y,087,050A	0.875, 0.625, 0.0	0.875, 0.875, 0.437	30	0.875, 0.625, 0.0	48.6, 67.3	56.4	87.8	48.6	69.5	58.3	90.8
612	R72Y,087,050A	0.875, 0.625, 0.125	0.875, 0.875, 0.437	22	0.875, 0.625, 0.125	48.7, 67.3	56.4	87.8	48.7	69.5	58.3	90.8
613	R108Y,087,050A	0.875, 0.625, 0.25	0.875, 0.875, 0.437	14	0.875, 0.625, 0.25	48.8, 67.3	56.4	87.8	48.8	69.5	58.3	90.8
614	R144Y,087,050A	0.875, 0.625, 0.375	0.875, 0.875, 0.437	6	0.875, 0.625, 0.375	48.9, 67.3	56.4	87.8	48.9	69.5	58.3	90.8
615	B59R,087,037A	0.875, 0.625, 0.5	0.875, 0.875, 0.437	-2	0.875, 0.625, 0.5	49.0, 67.3	56.4	87.8	49.0	69.5	58.3	90.8
616	R36Y,087,037A	0.875, 0.625, 0.625	0.875, 0.875, 0.437	-10	0.875, 0.625, 0.625	49.1, 67.3	56.4	87.8	49.1	69.5	58.3	90.8
617	R00Y,087,025A	0.875, 0.625, 0.75	0.875, 0.875, 0.437	-18	0.875, 0.625, 0.75	49.2, 67.3	56.4	87.8	49.2	69.5	58.3	90.8
618	R36Y,087,025A	0.875, 0.625, 0.875	0.875, 0.875, 0.437	-26	0.875, 0.625, 0.875	49.3, 67.3	56.4	87.8	49.3	69.5	58.3	90.8
619	R72Y,087,025A	0.875, 0.625, 1.0	0.875, 0.875, 0.437	-34	0.875, 0.625, 1.0	49.4, 67.3	56.4	87.8	49.4	69.5	58.3	90.8
620	B42R,100,012A	0.875, 0.625, 1.125	0.875, 0.875, 0.437	-42	0.875, 0.625, 1.125	49.5, 67.3	56.4	87.8	49.5	69.5	58.3	90.8
621	R36Y,087,025A	0.875, 0.75, 0.0	0.875, 0.875, 0.437	-50	0.875, 0.75, 0.0	49.6, 67.3	56.4	87.8	49.6	69.5	58.3	90.8
622	R72Y,087,025A	0.875, 0.75, 0.125	0.875, 0.875, 0.437	-58	0.875, 0.75, 0.125	49.7, 67.3	56.4	87.8	49.7	69.5	58.3	90.8
623	R108Y,087,025A	0.875, 0.75, 0.25	0.875, 0.875, 0.437	-66	0.875, 0.75, 0.25	49.8, 67.3	56.4	87.8	49.8	69.5	58.3	90.8
624	R144Y,087,025A	0.875, 0.75, 0.375	0.875, 0.875, 0.437	-74	0.875, 0.75, 0.375	49.9, 67.3	56.4	87.8	49.9	69.5	58.3	90.8
625	B59R,087,012A	0.875, 0.75, 0.5	0.875, 0.875, 0.437	-82	0.875, 0.75, 0.5	50.0, 67.3	56.4	87.8	50.0	69.5	58.3	90.8
626	R36Y,087,012A	0.875, 0.75, 0.625	0.875, 0.875, 0.437	-90	0.875, 0.75, 0.625	50.1, 67.3	56.4	87.8	50.1	69.		



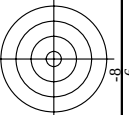
TUB material: code=rha4ta

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

0F810-7N Page 26/29-F

8-1

 $\Delta E^* = 8.7$



TUB material: code=rha4ta

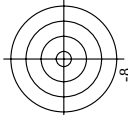
input: $rgb/cmyk \rightarrow rgb_d$
output: transfer to rgb_d

PE810-7N, Page 27/29-F

1-0032630-E0

see similar files: <http://130.149.60.45/~farbmatrik/PE81/PE81.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

n	HIC**rd	rpb_rd	icd_rd	hm_rd	rpb**rd	LabiCh**rd	rpb**rd	LabiCh**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**rd	dE**Frd	rpb**rd	LabiCh**rd	rpb**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TUB material: code=rha4ta

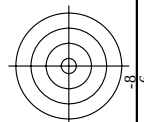
input: *rgb/cmyk* → *rgb*
output: transfer to *rgb*

5

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Mean color difference of this page:

[illegible]



TUB material: code=rha4ta

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

TUB-test chart PE81; 16 step hue circle colors and differences, ΔE^* ,

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-see similar files: <http://130.149.60.45/~farbmetrik/PE81/PE81.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

[illegible]