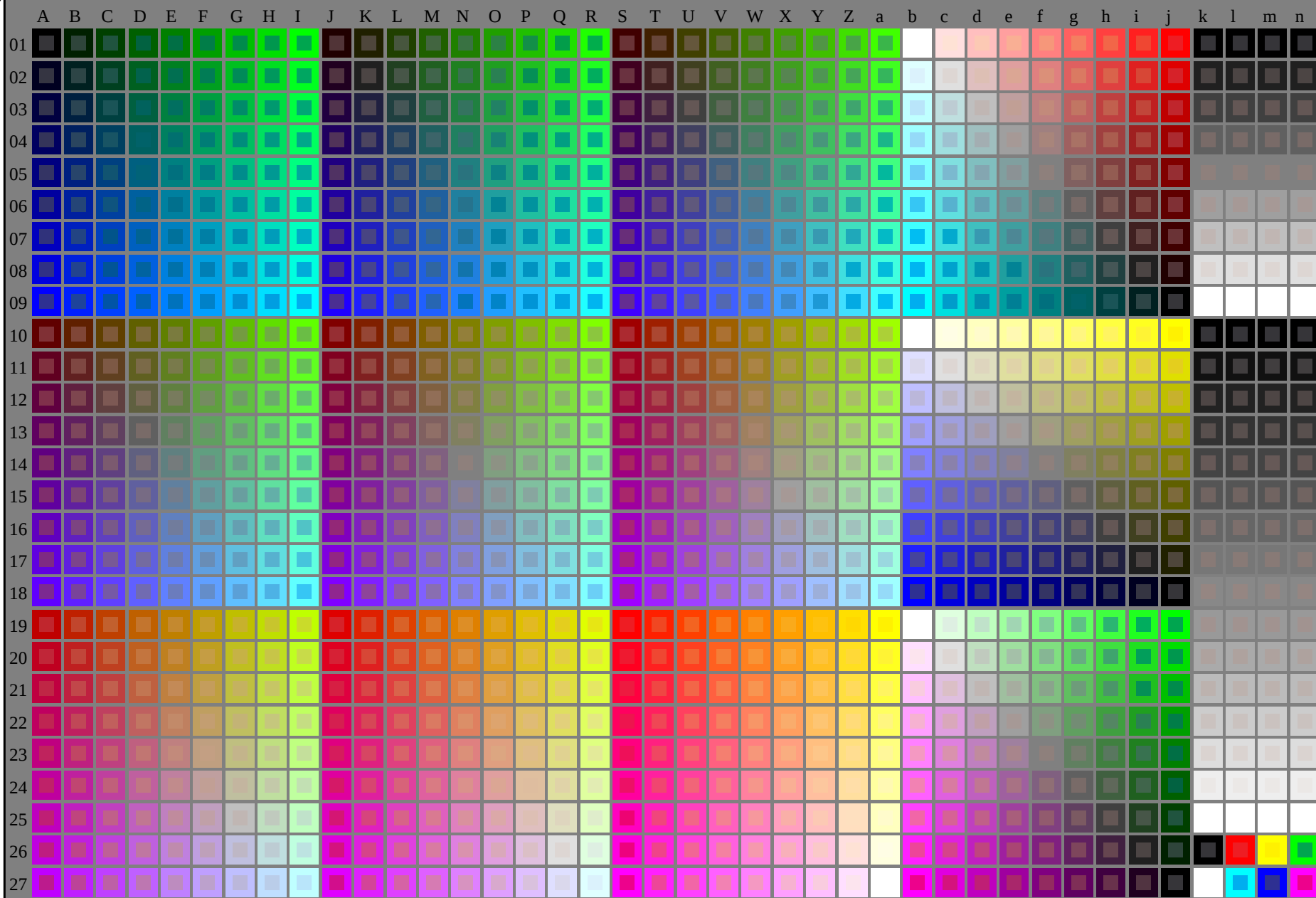


see similar files: <http://130.149.60.45/~farbmetrik/RE51/RE51.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-RE51/RE51L0FP.PDF /.PS
application for measurement of display output

TUB material: code=rha4ta



1-103030-L0 RE510-7N

Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): *rgb + cmy0* (A-j + k26_n27), 000n (k), w (l), nnn0 (m), www (n), 3D = 1

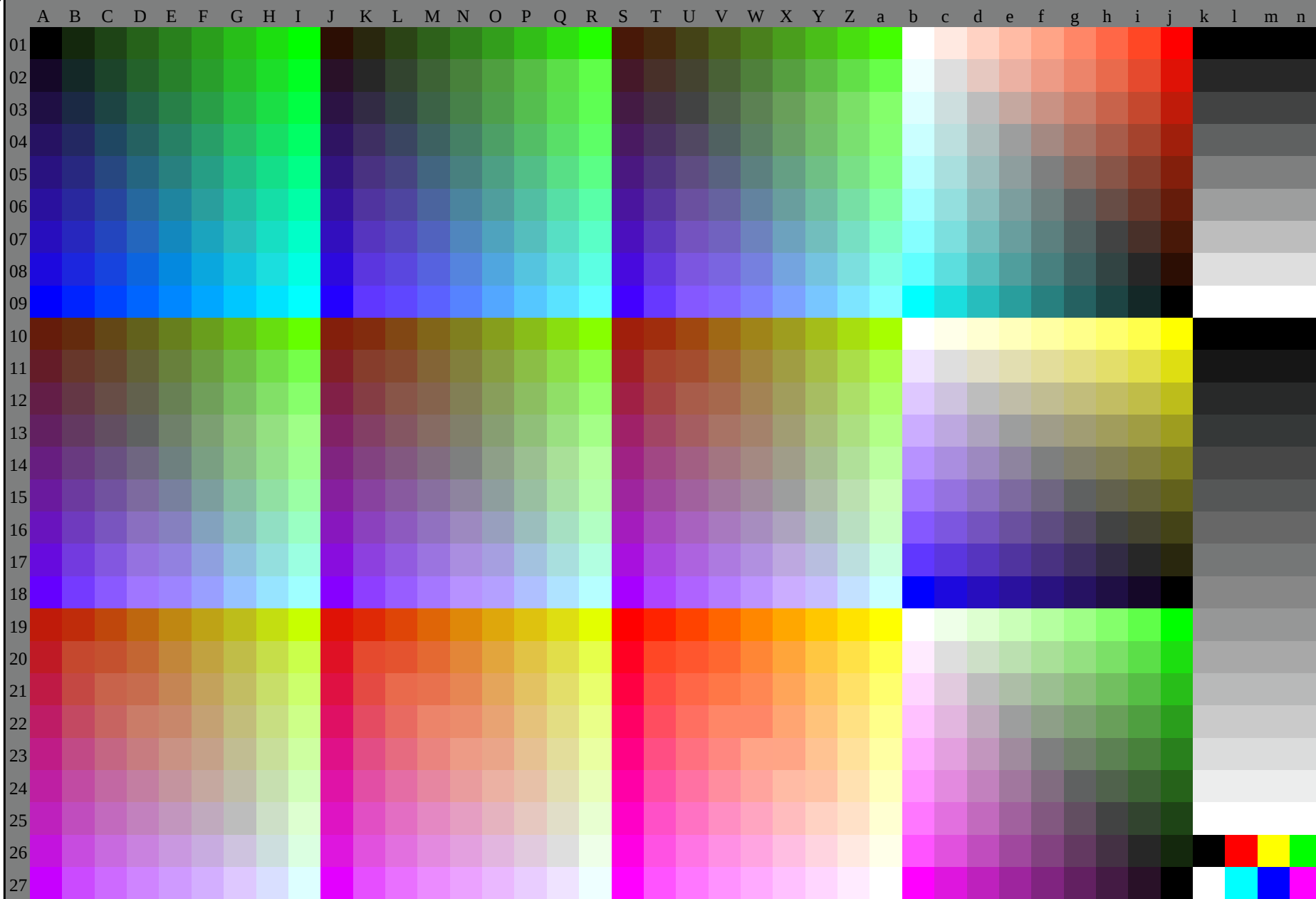
TUB-test chart RE51; 1080 standard colours
Test chart according to DIN 33872, 3D=1, de=0, *sRGB**

input: *rgb/cmyk* -> *rgb/cmyk*
output: no change

see similar files: <http://130.149.60.45/~farbmetrik/RE51/RE51.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-RE51/RE51L0FP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta



1-103130-L0 RE510-72

Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): $rgb(A_n, 3D=1)$

TUB-test chart RE51; 1080 standard colours
Test chart according to DIN 33872, 3D=1, de=0, sRGB*

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

1-103130-F0

C

M

Y

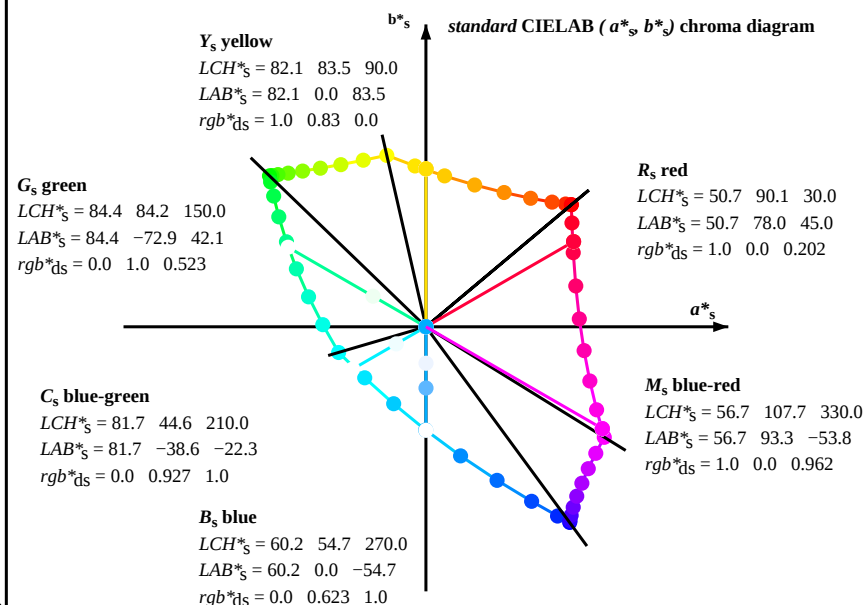
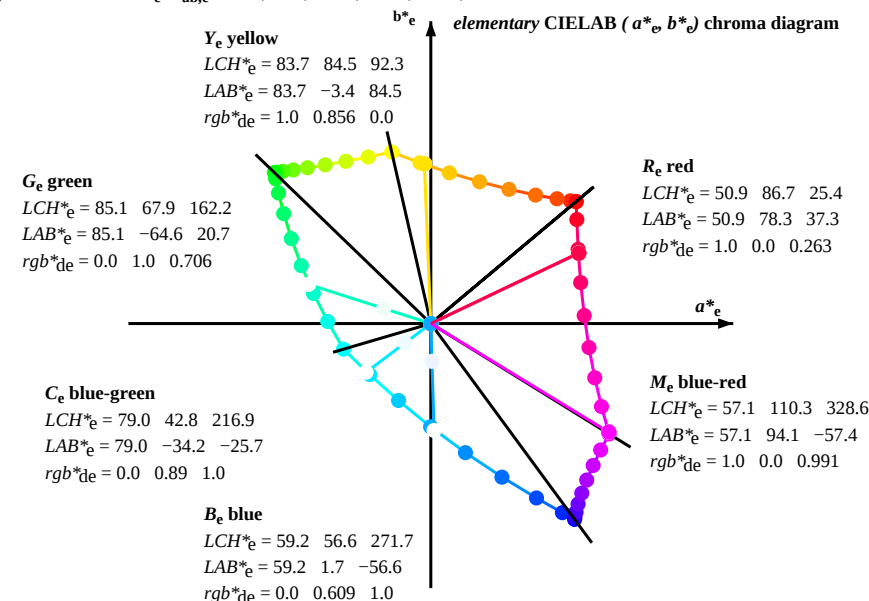
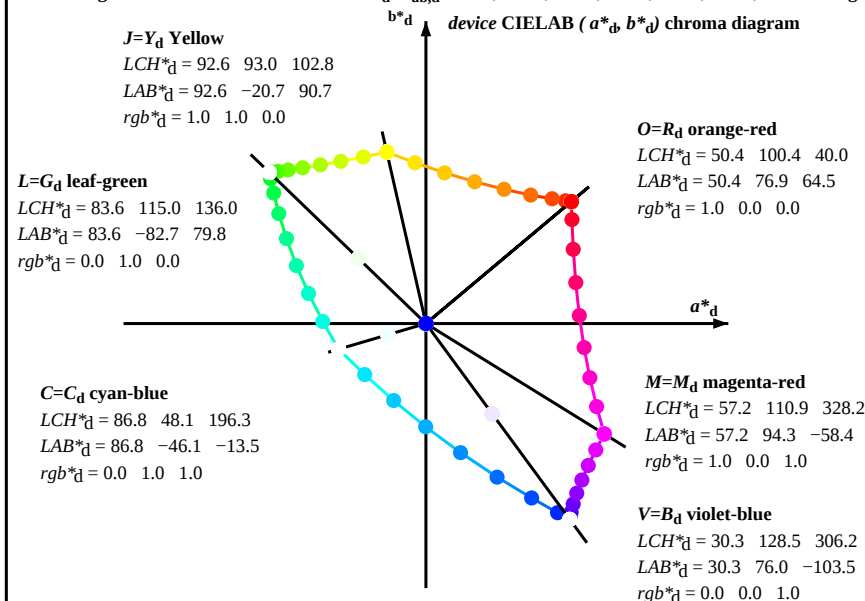
O

L

V

C

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



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

1-103230-L0 RE510-72 LAB*La0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

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

TUB-test chart RE51; 1080 standard colours
Test chart according to DIN 33872, 3D=1, de=0, sRGB*

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

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	50.4	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	98.3	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	0.0	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	0.888	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	0.633	1.0	0.0	87.1	-55.0	84.1	100.5	123	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	0.5	1.0	0.0	85.7	-65.1	82.4	105.1	128	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	0.383	1.0	0.0	84.8	-72.2	81.4	108.9	131	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	0.25	1.0	0.0	84.1	-78.2	80.5	112.3	134	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	0.133	1.0	0.0	83.8	-81.2	80.1	114.1	135	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	0.0	1.0	0.0	83.6	-82.7	79.9	115.0	136	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	0.0	1.0	0.117	83.7	-82.1	76.8	112.5	136	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	0.0	1.0	0.25	83.8	-80.5	69.1	106.2	139	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	0.0	1.0	0.367	84.0	-77.9	58.9	97.7	142	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	0.0	1.0	0.5	84.3	-73.7	45.0	86.4	148	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	0.0	1.0	0.617	84.8	-68.8	31.5	75.8	155	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	0.0	1.0	0.75	85.4	-62.0	15.9	64.1	165	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	0.0	1.0	0.867	86.0	-55.1	2.0	55.2	177	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	0.0	1.0	1.0	86.9	-46.1	-13.5	48.1	196	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	0.0	0.883	1.0	78.6	-33.3	-26.3	42.6	218	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	0.0	0.75	1.0	69.1	-17.0	-40.6	44.2	247	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	0.0	0.633	1.0	60.9	-1.5	-53.8	53.9	268	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	0.0	0.5	1.0	51.8	18.3	-68.2	70.7	285	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	0.0	0.383	1.0	44.4	36.2	-80.4	88.3	294	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	0.0	0.25	1.0	37.2	55.9	-92.2	107.9	301	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	0.0	0.133	1.0	32.8	68.6	-99.5	121.0	304	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	0.0	0.0	1.0	30.4	76.1	-103.5	128.5	306	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	0.117	0.0	1.0	31.0	76.3	-102.5	127.8	306	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	0.25	0.0	1.0	32.6	76.8	-99.7	126.0	307	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	0.367	0.0	1.0	35.0	77.9	-95.7	123.5	309	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	0.5	0.0	1.0	38.6	79.9	-89.6	120.1	311	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	0.617	0.0	1.0	42.4	82.3	-83.2	117.1	314	0.146	0.0	1.0	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	0.75	0.0	1.0	47.3	85.9	-75.0	114.1	318	0.605	0.0	1.0	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	0.867	0.0	1.0	51.9	89.6	-67.4	112.2	323	0.811	0.0	1.0	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	1.0	0.0	1.0	57.3	94.4	-58.3	111.0	328	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	1.0	0.0	0.883	55.8	90.7	-44.8	101.1	333	1.0	0.0	0.856	55.4	89.9	-41.4	99.0	335	

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	0.157	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	0.358	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	0.488	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	0.577	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	0.673	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	0.755	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	0.857	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	0.967	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								

1-103430-L0 RE510-72 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 5/29

TUB-test chart RE51; 1080 standard colours
Test chart according to DIN 33872, 3D=1, de=0, sRGB*

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

TUB registration: 20130201-RE51/RE51L0FP.PDF /.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 $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dd361Mi} (x=LabCh)$	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi} (x=LabCh)$	R_s	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$
40	30	25	1.0	0.0	0.0	50.4	76.9	64.5	100.4	40	1.0	0.0	0.0	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	0.017	0.0	0.0
40	32	27	1.0	0.033	0.0	50.7	76.1	64.6	99.8	40	1.0	0.0	0.033	0.0	0.0
40	33	28	1.0	0.05	0.0	50.9	75.7	64.7	99.6	40	1.0	0.0	0.05	0.0	0.0
40	34	29	1.0	0.066	0.0	51.0	75.3	64.7	99.3	40	1.0	0.0	0.067	0.0	0.0
40	35	31	1.0	0.083	0.0	51.1	74.9	64.8	99.0	40	1.0	0.0	0.083	0.0	0.0
41	36	32	1.0	0.1	0.0	51.3	74.5	64.8	98.7	41	1.0	0.0	0.1	0.0	0.0
41	37	33	1.0	0.116	0.0	51.4	74.1	64.9	98.5	41	1.0	0.0	0.117	0.0	0.0
41	38	34	1.0	0.133	0.0	51.7	73.4	65.0	98.0	41	1.0	0.0	0.133	0.0	0.0
41	39	35	1.0	0.15	0.0	52.0	72.4	65.2	97.4	41	1.0	0.0	0.15	0.0	0.0
42	40	36	1.0	0.166	0.0	52.3	71.4	65.3	96.8	42	1.0	0.0	0.167	0.0	0.0
42	41	37	1.0	0.183	0.0	52.7	70.5	65.5	96.2	42	1.0	0.0	0.183	0.0	0.0
43	42	38	1.0	0.2	0.0	53.0	69.5	65.6	95.6	43	1.0	0.0	0.2	0.0	0.0
43	43	39	1.0	0.216	0.0	53.4	68.6	65.7	95.0	43	1.0	0.0	0.217	0.0	0.0
44	44	41	1.0	0.233	0.0	53.7	67.6	65.8	94.4	44	1.0	0.0	0.233	0.0	0.0
44	45	42	1.0	0.25	0.0	54.0	66.7	65.9	93.8	44	1.0	0.0	0.25	0.0	0.0
45	46	43	1.0	0.266	0.0	54.6	65.1	66.3	93.0	45	1.0	0.0	0.267	0.0	0.0
46	47	44	1.0	0.283	0.0	55.1	63.6	66.6	92.2	46	1.0	0.0	0.283	0.0	0.0
47	48	45	1.0	0.3	0.0	55.7	62.1	66.9	91.3	47	1.0	0.0	0.3	0.0	0.0
47	49	46	1.0	0.316	0.0	56.2	60.6	67.2	90.5	47	1.0	0.0	0.317	0.0	0.0
48	50	47	1.0	0.333	0.0	56.8	59.1	67.5	89.7	48	1.0	0.0	0.333	0.0	0.0
49	51	48	1.0	0.35	0.0	57.3	57.6	67.7	88.9	49	1.0	0.0	0.35	0.0	0.0
50	52	49	1.0	0.366	0.0	57.9	56.2	67.9	88.1	50	1.0	0.0	0.367	0.0	0.0
51	53	51	1.0	0.383	0.0	58.5	54.5	68.2	87.3	51	1.0	0.0	0.383	0.0	0.0
52	54	52	1.0	0.4	0.0	59.3	52.6	68.8	86.6	52	1.0	0.0	0.4	0.0	0.0
53	55	53	1.0	0.416	0.0	60.0	50.7	69.3	85.9	53	1.0	0.0	0.417	0.0	0.0
54	56	54	1.0	0.433	0.0	60.7	48.8	69.7	85.1	54	1.0	0.0	0.433	0.0	0.0
56	57	55	1.0	0.45	0.0	61.4	46.9	70.1	84.4	56	1.0	0.0	0.45	0.0	0.0
57	58	56	1.0	0.466	0.0	62.2	45.1	70.4	83.6	57	1.0	0.0	0.467	0.0	0.0
58	59	57	1.0	0.483	0.0	62.9	43.2	70.7	82.9	58	1.0	0.0	0.483	0.0	0.0
59	60	58	1.0	0.5	0.0	63.6	41.3	71.0	82.2	59	1.0	0.0	0.5	0.0	0.0
61	61	60	1.0	0.516	0.0	64.5	39.3	71.7	81.8	61	1.0	0.0	0.517	0.0	0.0
62	62	61	1.0	0.533	0.0	65.3	37.2	72.4	81.4	62	1.0	0.0	0.533	0.0	0.0
64	63	62	1.0	0.55	0.0	66.2	35.1	73.0	81.0	64	1.0	0.0	0.55	0.0	0.0
65	64	63	1.0	0.566	0.0	67.1	33.0	73.5	80.6	65	1.0	0.0	0.567	0.0	0.0
67	65	64	1.0	0.583	0.0	67.9	31.0	74.0	80.3	67	1.0	0.0	0.583	0.0	0.0
68	66	65	1.0	0.6	0.0	68.8	28.9	74.5	79.9	68	1.0	0.0	0.6	0.0	0.0
70	67	66	1.0	0.616	0.0	69.6	26.8	74.8	79.5	70	1.0	0.0	0.617	0.0	0.0
71	68	67	1.0	0.633	0.0	70.5	24.7	75.4	79.4	71	1.0	0.0	0.633	0.0	0.0
73	69	68	1.0	0.65	0.0	71.5	22.7	76.2	79.5	73	1.0	0.0	0.65	0.0	0.0
75	70	70	1.0	0.666	0.0	72.4	20.6	76.9	79.7	75	1.0	0.0	0.667	0.0	0.0
76	71	71	1.0	0.683	0.0	73.4	18.5	77.6	79.8	76	1.0	0.0	0.683	0.0	0.0
78	72	72	1.0	0.7	0.0	74.3	16.3	78.2	79.9	78	1.0	0.0	0.7	0.0	0.0
79	73	73	1.0	0.716	0.0	75.3	14.2	78.8	80.1	79	1.0	0.0	0.717	0.0	0.0
81	74	74	1.0	0.733	0.0	76.2	12.0	79.3	80.2	81	1.0	0.0	0.733	0.0	0.0
82	75	75	1.0	0.75	0.0	77.2	9.8	79.7	80.4	82	1.0	0.0	0.75	0.0	0.0

1-103530-L0 RE510-72 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 6/29

TUB-test chart RE51; 1080 standard colours

Test chart according to DIN 33872, 3D=1, de=0, sRGB*

input: $rgb/cmyk \rightarrow rgb_{dd}$

output: 3D-linearization to rgb^*_{dd}

TUB registration: 20130201-RE51/RE51L0FP.PDF /.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 $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

LAB* angles of the device colours (RGB) (x=LabCh)											LAB* angles of the device colours (RGB) (x=LabCh)											LAB* angles of the device colours (RGB) (x=LabCh)											LAB* angles of the device colours (RGB) (x=LabCh)										
h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* _{dd361M}	LAB* _{d361M}	LAB* _{d361Mi} (x=LabCh)	rgb* _{ds361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{de361Mi}	LAB* _{dex361Mi} (x=LabCh)	rgb* _{dd361Mi}	rgb* _{dd}	rgb* _{ds}	rgb* _{de}	h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* _{dd361M}	LAB* _{d361M}	LAB* _{d361Mi} (x=LabCh)	rgb* _{ds361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{de361Mi}	LAB* _{dex361Mi} (x=LabCh)	rgb* _{dd361Mi}	rgb* _{dd}	rgb* _{ds}	rgb* _{de}														
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																												

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd361M	LAB* ddx36

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 <i>RYGBM_s</i> : <i>h_{ab,ds}</i> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours <i>RYGCBM_d</i> : <i>h_{ab,d}</i> = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours <i>RYGCBM_e</i> : <i>h_{ab,e}</i> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																		
<i>h_{ab,d}</i>	<i>h_{ab,s}</i>	<i>h_{ab,e}</i>	<i>rgb*_{dd}361M</i>	<i>LAB*_{ddx361Mi} (x=LabCh)</i>	<i>rgb*_{ds361Mi}</i>	<i>LAB*_{dsx361Mi} (x=LabCh)</i>	<i>rgb*_{dd361Mi}</i>	<i>LAB*_{de361Mi}</i>	<i>LAB*_{dex361Mi} (x=LabCh)</i>	<i>rgb*_{dd361Mi}</i>	<i>rgb*_{de361Mi}</i>	<i>rgb*_{dd361Mi}</i>	<i>rgb*_{de361Mi}</i>	<i>rgb*_{dd361Mi}</i>	<i>rgb*_{de361Mi}</i>	<i>rgb*_{dd361Mi}</i>	<i>rgb*_{de361Mi}</i>	<i>rgb*_{de361Mi}</i>
139	165	175	0.0	1.0	0.25	83.8	-80.5	69.1	106.1	139	0.0	1.0	0.25	83.8	-80.5	69.1	106.1	139
139	166	176	0.0	1.0	0.266	83.8	-80.2	67.6	104.9	139	0.0	1.0	0.267	83.8	-80.2	67.6	104.9	139
140	167	177	0.0	1.0	0.283	83.8	-79.9	66.1	103.7	140	0.0	1.0	0.283	83.8	-79.9	66.1	103.7	140
140	168	178	0.0	1.0	0.3	83.8	-79.6	64.6	102.5	140	0.0	1.0	0.3	83.8	-79.6	64.6	102.5	140
141	169	179	0.0	1.0	0.316	83.9	-79.2	63.1	101.3	141	0.0	1.0	0.317	83.9	-79.2	63.1	101.3	141
141	170	180	0.0	1.0	0.333	83.9	-78.8	61.7	100.1	141	0.0	1.0	0.333	83.9	-78.8	61.7	100.1	141
142	171	181	0.0	1.0	0.35	83.9	-78.4	60.2	98.9	142	0.0	1.0	0.35	83.9	-78.4	60.2	98.9	142
142	172	182	0.0	1.0	0.366	84.0	-78.0	58.8	97.7	142	0.0	1.0	0.367	84.0	-78.0	58.8	97.7	142
143	173	183	0.0	1.0	0.383	84.0	-77.6	57.2	96.4	143	0.0	1.0	0.383	84.0	-77.6	57.2	96.4	143
144	174	184	0.0	1.0	0.4	84.0	-77.1	55.4	94.9	144	0.0	1.0	0.4	84.0	-77.1	55.4	94.9	144
145	175	185	0.0	1.0	0.416	84.1	-76.6	53.6	93.5	145	0.0	1.0	0.417	84.1	-76.6	53.6	93.5	145
145	176	185	0.0	1.0	0.433	84.1	-76.1	51.8	92.1	145	0.0	1.0	0.433	84.1	-76.1	51.8	92.1	145
146	177	186	0.0	1.0	0.45	84.2	-75.6	50.0	90.6	146	0.0	1.0	0.45	84.2	-75.6	50.0	90.6	146
147	178	187	0.0	1.0	0.466	84.2	-75.0	48.3	89.2	147	0.0	1.0	0.467	84.2	-75.0	48.3	89.2	147
147	179	188	0.0	1.0	0.483	84.3	-74.4	46.6	87.8	147	0.0	1.0	0.483	84.3	-74.4	46.6	87.8	147
148	180	189	0.0	1.0	0.5	84.3	-73.7	44.9	86.4	148	0.0	1.0	0.5	84.3	-73.7	44.9	86.4	148
149	181	190	0.0	1.0	0.516	84.4	-73.2	42.9	84.8	149	0.0	1.0	0.517	84.4	-73.2	42.9	84.8	149
150	182	191	0.0	1.0	0.533	84.4	-72.6	40.9	83.3	150	0.0	1.0	0.533	84.4	-72.6	40.9	83.3	150
151	183	192	0.0	1.0	0.55	84.5	-71.9	39.0	81.8	151	0.0	1.0	0.55	84.5	-71.9	39.0	81.8	151
152	184	193	0.0	1.0	0.566	84.5	-71.2	37.0	80.3	152	0.0	1.0	0.567	84.5	-71.2	37.0	80.3	152
153	185	194	0.0	1.0	0.583	84.6	-70.5	35.2	78.8	153	0.0	1.0	0.583	84.6	-70.5	35.2	78.8	153
154	186	195	0.0	1.0	0.6	84.6	-69.7	33.3	77.3	154	0.0	1.0	0.6	84.6	-69.7	33.3	77.3	154
155	187	195	0.0	1.0	0.616	84.7	-68.9	31.5	75.8	155	0.0	1.0	0.617	84.7	-68.9	31.5	75.8	155
156	188	196	0.0	1.0	0.633	84.8	-68.1	29.5	74.3	156	0.0	1.0	0.633	84.8	-68.1	29.5	74.3	156
157	189	197	0.0	1.0	0.65	84.8	-67.4	27.4	72.8	157	0.0	1.0	0.65	84.8	-67.4	27.4	72.8	157
159	190	198	0.0	1.0	0.666	84.9	-66.7	25.4	71.3	159	0.0	1.0	0.667	84.9	-66.7	25.4	71.3	159
160	191	199	0.0	1.0	0.683	85.0	-65.8	23.4	69.9	160	0.0	1.0	0.683	85.0	-65.8	23.4	69.9	160
161	192	200	0.0	1.0	0.7	85.1	-65.0	21.4	68.4	161	0.0	1.0	0.7	85.1	-65.0	21.4	68.4	161
163	193	201	0.0	1.0	0.716	85.2	-64.0	19.5	67.0	163	0.0	1.0	0.717	85.2	-64.0	19.5	67.0	163
164	194	202	0.0	1.0	0.733	85.2	-63.1	17.6	65.5	164	0.0	1.0	0.733	85.2	-63.1	17.6	65.5	164
165	195	203	0.0	1.0	0.75	85.3	-62.0	15.9	64.0	165	0.0	1.0	0.75	85.3	-62.0	15.9	64.0	165
167	196	204	0.0	1.0	0.766	85.4	-61.2	13.7	62.8	167	0.0	1.0	0.767	85.4	-61.2	13.7	62.8	167
169	197	205	0.0	1.0	0.783	85.5	-60.4	11.5	61.5	169	0.0	1.0	0.783	85.5	-60.4	11.5	61.5	169
170	198	206	0.0	1.0	0.8	85.6	-59.5	9.5	60.2	170	0.0	1.0	0.8	85.6	-59.5	9.5	60.2	170
172	199	206	0.0	1.0	0.816	85.7	-58.5	7.5	59.0	172	0.0	1.0	0.817	85.7	-58.5	7.5	59.0	172
174	200	207	0.0	1.0	0.833	85.8	-57.4	5.5	57.7	174	0.0	1.0	0.833	85.8	-57.4	5.5	57.7	174
176	201	208	0.0	1.0	0.85	85.9	-56.3	3.7	56.4	176	0.0	1.0	0.85	85.9	-56.3	3.7	56.4	176
177	202	209	0.0	1.0	0.866	86.0	-55.1	1.9	55.2	177	0.0	1.0	0.867	86.0	-55.1	1.9	55.2	177
180	203	210	0.0	1.0	0.883	86.1	-54.1	0.0	54.1	180	0.0	1.0	0.883	86.1	-54.1	0.0	54.1	180
182	204	211	0.0	1.0	0.9	86.2	-53.2	-2.1	53.2	182	0.0	1.0	0.9	86.2	-53.2	-2.1	53.2	182
184	205	212	0.0	1.0	0.916	86.3	-52.2	-4.2	52.4	184	0.0	1.0	0.917	86.3	-52.2	-4.2	52.4	184
187	206	213	0.0	1.0	0.933	86.4	-51.1	-6.3	51.5	187	0.0	1.0	0.933	86.4	-51.1	-6.3	51.5	187
189	207	214	0.0	1.0	0.95	86.5	-50.0	-8.2	50.7	189	0.0	1.0	0.95	86.5	-50.0	-8.2	50.7	189
191	208	215	0.0	1.0	0.966	86.6	-48.8	-10.1	49.8	191	0.0	1.0	0.967	86.6	-48.8	-10.1	49.8	191
194	209	216	0.0	1.0	0.983	86.7	-47.5	-11.8	48.9	194	0.0	1.0	0.983	86.7	-47.5	-11.8	48.9	194
196	210	216	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1	196	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1	196

1-103830-L0 RE510-72 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 RE51; 1080 standard colours
48 step hue circles; *rgb-LabCh**tables

input: *rgb/cmyk* -> *rgb_{dd}*
output: 3D-linearization to *rgb*_{dd}*

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

TUB registration: 20130201-RE51/RE51L0FP.PDF /.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}					$LAB^*_{d361Mi}(x=LabCh)$					C_d	$rgb^*_{ds361Mi}$					$LAB^*_{ds361Mi}(x=LabCh)$					$210C_s$	$rgb^*_{dd361Mi}$					$rgb^*_{de361Mi}$					$LAB^*_{dex361Mi}(x=LabCh)$					$216C_e$	$rgb^*_{dd361Mi}$					rgb^*_{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	0.983	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	-42.9	-17.9	46.5	202	0.0	0.917	1.0	81.0	-37.3	-23.3	44.2	212	0.0	0.967	1.0	0.0	0.881	1.0	78.4	-33.0	-26.5	42.4	218	0.0	0.967	1.0																		
205	213	219	0.0	0.95	1.0	83.3	-41.1	-19.8	45.7	205	0.0	0.911	1.0	80.6	-36.7	-23.8	43.9	213	0.0	0.95	1.0	0.0	0.876	1.0	78.0	-32.3	-26.9	42.2	219	0.0	0.95	1.0																		
208	214	220	0.0	0.933	1.0	82.1	-39.3	-21.7	44.9	208	0.0	0.906	1.0	80.2	-36.1	-24.3	43.6	214	0.0	0.933	1.0	0.0	0.871	1.0	77.7	-31.9	-27.4	42.2	220	0.0	0.933	1.0																		
212	215	221	0.0	0.916	1.0	80.9	-37.4	-23.4	44.1	212	0.0	0.901	1.0	79.8	-35.4	-24.8	43.4	215	0.0	0.917	1.0	0.0	0.867	1.0	77.4	-31.5	-27.9	42.3	221	0.0	0.917	1.0																		
215	216	222	0.0	0.9	1.0	79.7	-35.4	-24.9	43.3	215	0.0	0.895	1.0	79.5	-34.8	-25.3	43.1	216	0.0	0.9	1.0	0.0	0.863	1.0	77.2	-31.1	-28.5	42.3	222	0.0	0.9	1.0																		
218	217	223	0.0	0.883	1.0	78.5	-33.4	-26.3	42.5	218	0.0	0.89	1.0	79.1	-34.1	-25.7	42.9	217	0.0	0.883	1.0	0.0	0.859	1.0	76.9	-30.7	-29.0	42.4	223	0.0	0.883	1.0																		
221	218	224	0.0	0.866	1.0	77.4	-31.5	-28.1	42.2	221	0.0	0.885	1.0	78.7	-33.5	-26.1	42.6	218	0.0	0.867	1.0	0.0	0.855	1.0	76.6	-30.3	-29.6	42.5	224	0.0	0.867	1.0																		
225	219	225	0.0	0.85	1.0	76.2	-29.9	-30.2	42.5	225	0.0	0.879	1.0	78.3	-32.8	-26.6	42.4	219	0.0	0.85	1.0	0.0	0.851	1.0	76.3	-29.9	-30.1	42.6	225	0.0	0.85	1.0																		
228	220	226	0.0	0.833	1.0	75.0	-28.1	-32.3	42.8	228	0.0	0.874	1.0	77.9	-32.2	-27.0	42.2	220	0.0	0.833	1.0	0.0	0.846	1.0	76.0	-29.4	-30.6	42.6	226	0.0	0.833	1.0																		
232	221	227	0.0	0.816	1.0	73.8	-26.1	-34.2	43.1	232	0.0	0.87	1.0	77.6	-31.8	-27.6	42.2	221	0.0	0.817	1.0	0.0	0.842	1.0	75.7	-29.0	-31.1	42.7	227	0.0	0.817	1.0																		
236	222	227	0.0	0.8	1.0	72.6	-24.0	-36.0	43.3	236	0.0	0.865	1.0	77.3	-31.3	-28.2	42.3	222	0.0	0.8	1.0	0.0	0.838	1.0	75.4	-28.5	-31.6	42.8	227	0.0	0.8	1.0																		
239	223	228	0.0	0.783	1.0	71.4	-21.8	-37.7	43.6	239	0.0	0.861	1.0	77.0	-30.9	-28.8	42.4	223	0.0	0.783	1.0	0.0	0.834	1.0	75.1	-28.1	-32.1	42.8	228	0.0	0.783	1.0																		
243	224	229	0.0	0.766	1.0	70.2	-19.5	-39.3	43.9	243	0.0	0.856	1.0	76.7	-30.4	-29.4	42.5	224	0.0	0.767	1.0	0.0	0.83	1.0	74.8	-27.6	-32.6	42.9	229	0.0	0.767	1.0																		
247	225	230	0.0	0.75	1.0	69.1	-17.0	-40.7	44.1	247	0.0	0.851	1.0	76.3	-30.0	-30.0	42.5	225	0.0	0.75	1.0	0.0	0.826	1.0	74.5	-27.1	-33.1	43.0	230	0.0	0.75	1.0																		
250	226	231	0.0	0.733	1.0	67.9	-15.3	-42.9	45.5	250	0.0	0.847	1.0	76.0	-29.5	-30.6	42.6	226	0.0	0.733	1.0	0.0	0.821	1.0	74.2	-26.6	-33.6	43.0	231	0.0	0.733	1.0																		
253	227	232	0.0	0.716	1.0	66.7	-13.5	-44.9	46.9	253	0.0	0.842	1.0	75.7	-29.0	-31.1	42.7	227	0.0	0.717	1.0	0.0	0.817	1.0	73.9	-26.1	-34.1	43.1	232	0.0	0.717	1.0																		
256	228	233	0.0	0.7	1.0	65.5	-11.4	-46.9	48.3	256	0.0	0.838	1.0	75.4	-28.5	-31.7	42.8	228	0.0	0.7	1.0	0.0	0.813	1.0	73.6	-25.6	-34.6	43.2	233	0.0	0.7	1.0																		
259	229	234	0.0	0.683	1.0	64.4	-9.2	-48.8	49.7	259	0.0	0.833	1.0	75.0	-28.0	-32.2	42.8	229	0.0	0.683	1.0	0.0	0.809	1.0	73.3	-25.1	-35.0	43.2	234	0.0	0.683	1.0																		
262	230	235	0.0	0.666	1.0	63.2	-6.8	-50.6	51.1	262	0.0	0.829	1.0	74.7	-27.5	-32.8	42.9	230	0.0	0.667	1.0	0.0	0.805	1.0	73.0	-24.6	-35.5	43.3	235	0.0	0.667	1.0																		
265	231	236	0.0	0.65	1.0	62.0	-4.2	-52.3	52.5	265	0.0	0.824	1.0	74.4	-26.9	-33.3	43.0	231	0.0	0.65	1.0	0.0	0.801	1.0	72.7	-24.1	-35.9	43.4	236	0.0	0.65	1.0																		
268	232	237	0.0	0.633	1.0	60.9	-1.5	-53.9	53.9	268	0.0	0.82	1.0	74.1	-26.4	-33.8	43.1	232	0.0	0.633	1.0	0.0	0.797	1.0	72.4	-23.5	-36.3	43.4	237	0.0	0.633	1.0																		
270	233	237	0.0	0.616	1.0	59.7	0.8	-55.6	55.7	270	0.0	0.815	1.0	73.7	-25.9	-34.3	43.1	233	0.0	0.617	1.0	0.0	0.792	1.0	72.1	-23.0	-36.8	43.5	237	0.0	0.617	1.0																		
272	234	238	0.0	0.6	1.0	58.6	2.9	-57.7	57.8	272	0.0	0.81	1.0	73.4	-25.3	-34.9	43.2	234	0.0	0.6	1.0	0.0	0.788	1.0	71.8	-22.4	-37.2	43.6	238	0.0	0.6	1.0																		
274	235	239	0.0	0.583	1.0	57.4	5.1	-59.7	59.9	274	0.0	0.806	1.0	73.1	-24.7	-35.4	43.3	235	0.0	0.583	1.0	0.0	0.784	1.0	71.5	-21.8	-37.6	43.6	239	0.0	0.583	1.0																		
276	236	240	0.0	0.566	1.0	56.3	7.4	-61.6	62.1	276	0.0	0.801	1.0	72.8	-24.1	-35.8	43.4	236	0.0	0.567	1.0	0.0	0.78	1.0	71.2	-21.3	-38.0	43.7	240	0.0	0.567	1.0																		
278	237	241	0.0	0.55	1.0	55.2	10.0	-63.5	64.2	278	0.0	0.797	1.0	72.4	-23.6	-36.3	43.4	237	0.0	0.55	1.0	0.0	0.776	1.0	70.9	-20.7	-38.4	43.8	241	0.0	0.55	1.0																		
280	238	242	0.0	0.533	1.0	54.0	12.6	-65.2	66.4	280	0.0	0.792	1.0	72.1	-23.0	-36.8	43.5	238	0.0	0.533	1.0	0.0	0.772	1.0	70.6	-20.1	-38.8	43.8	242	0.0	0.533	1.0																		
283	239	243	0.0	0.516	1.0	52.9	15.4	-66.8	68.5	283	0.0	0.788	1.0	71.8	-22.3	-37.2	43.6	239	0.0	0.517	1.0	0.0	0.767	1.0	70.3	-19.5	-39.2	43.9	243	0.0	0.517	1.0																		
285	240	244	0.0	0.5	1.0	51.7	18.3	-68.3	70.7	285	0.0	0.783	1.0	71.5	-21.7	-37.7	43.6	240	0.0	0.5	1.0	0.0	0.763	1.0	70.1	-18.9	-39.5	44.0	244	0.0	0.5	1.0																		
286	241	245	0.0	0.483	1.0	50.7	20.6	-70.2	73.2	286	0.0	0.779	1.0	71.1	-21.1	-38.1	43.7	241	0.0	0.483	1.0	0.0	0.759	1.0	69.8	-18.3	-39.9	44.0	245	0.0	0.483	1.0																		
287	242	246	0.0	0.466	1.0	49.6	22.9	-72.1	75.7	287	0.0	0.774	1.0	70.8	-20.5	-38.6	43.8	242	0.0	0.467	1.0	0.0	0.755	1.0	69.5	-17.7	-40.2	44.1	246	0.0	0.467	1.0																		
288	243	247	0.0	0.45	1.0	48.6	25.4	-74.0	78.2	288	0.0	0.769	1.0	70.5	-19.8	-39.0	43.9	243	0.0	0.45	1.0	0.0	0.751	1.0	69.2	-17.1	-40.6	44.2	247	0.0	0.45	1.0																		
290	244	248	0.0	0.433	1.0	47.5	28.0	-75.7	80.7	290	0.0	0.765	1.0	70.2	-19.2	-39.4	43.9	244	0.0	0.433	1.0	0.0	0.746	1.0	68.8	-16.6	-41.2	44.5	248	0.0	0.433	1.0																		
291	245	248	0.0	0.416	1.0	46.5	30.6	-77.4	83.2	291	0.0	0.76	1.0	69.8	-18.5	-39.8	44.0	245	0.0	0.417	1.0	0.0	0.741	1.0	68.5	-16.1	-41.8	45.0	248	0.0	0.417	1.0																		
292	246	249	0.0	0.4	1.0	45.4	33.3	-79.0	85.7	292	0.0	0.756	1.0	69.5	-17.8	-40.2	44.1	246	0.0	0.4	1.0	0.0	0.736	1.0	68.1	-15.5	-42.5	45.4	249	0.0	0.4	1.0																		
294	247	250	0.0	0.383	1.0	44.3	36.2	-80.5	88.2	294	0.0	0.751	1.0	69.2	-17.2	-40.6	44.2	247	0.0	0.383	1.0	0.0	0.731	1.0	67.8	-15.0	-43.1	45.8	250	0.0	0.383	1.0																		
295	248	251	0.0	0.366	1.0	43.4	38.7	-																																										

1-103930-L0 RE510-72 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 10/29

TUB-test chart RE51; 1080 standard colours
48 step hue circles; $rgb-LabCh$ *tables

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

TUB registration: 20130201-RE51/RE51L0FP.PDF /.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}			$LAB^*_{d361Mi} (x=LabCh)$			$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi} (x=LabCh)$			$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi} (x=LabCh)$			$rgb^*_{dd361Mi}$			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	$270B_s$	0.0	0.0	1.0	0.0	0.609	1.0	59.3	1.7	-56.5	56.6	$271B_e$	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	0.017	0.0	1.0	0.0	0.602	1.0	58.7	2.7	-57.5	57.6	272	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	0.033	0.0	1.0	0.0	0.594	1.0	58.2	3.7	-58.4	58.6	273	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	0.05	0.0	1.0	0.0	0.586	1.0	57.7	4.8	-59.4	59.7	274	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	0.067	0.0	1.0	0.0	0.578	1.0	57.1	5.8	-60.3	60.7	275	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	0.083	0.0	1.0	0.0	0.57	1.0	56.6	7.0	-61.2	61.7	276	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	0.576	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	0.564	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																															

1-1031030-L0 RE510-72 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 RE51; 1080 standard colours
48 step hue circles; $rgb-LabCh$ *tables

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

Output: sRGB standard device; no separation, D65, page 11/29

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

h _{ab,d} h _{ab,s} h _{ab,e}			rgb* _{dd361Mi} LAB* _{dsx361Mi} (x=LabCh)							rgb* _{ds361Mi} LAB* _{dsx361Mi} (x=LabCh)							rgb* _{dd361Mi} LAB* _{dsx361Mi} (x=LabCh)							rgb* _{dd361Mi} LAB* _{dsx361Mi} (x=LabCh)								
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																															

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGBM*: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab}, h_{ab_s}, h_{ab_e}$			$rgb^*_{ab}, dd361M$		$LAB^*_{ab}, ddx361Mi (x=LabCh)$				$rgb^*_{ab}, ds361Mi$				$LAB^*_{ab}, dsx361Mi (x=LabCh)$				$rgb^*_{ab}, dd361Mi$				$rgb^*_{ab}, de361Mi$				$LAB^*_{ab}, dex361Mi (x=LabCh)$				$rgb^*_{ab}, dd361Mi$				$rgb^*_{ab}, ds361Mi$				$rgb^*_{ab}, de361Mi$			
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								
342	346	343	1.0	0.0	0.733	54.0	86.5	-26.4	90.4	342	1.0	0.0	0.695	53.7	85.7	-21.3	88.4	346	1.0	0.0	0.733	1.0	0.0	0.723	54.0	86.3	-25.0	89.9	343	1.0	0.0	0.733								
344	347	344	1.0	0.0	0.716	53.8	86.2	-24.2	89.5	344	1.0	0.0	0.682	53.6	85.4	-19.6	87.7	347	1.0	0.0	0.717	1.0	0.0	0.711	53.8	86.1	-23.4	89.3	344	1.0	0.0	0.717								
345	348	345	1.0	0.0	0.7	53.7	85.8	-22.0	88.6	345	1.0	0.0	0.669	53.4	85.1	-18.0	87.0	348	1.0	0.0	0.7	1.0	0.0	0.699	53.7	85.8	-21.8	88.6	345	1.0	0.0	0.7								
346	349	346	1.0	0.0	0.683	53.5	85.4	-19.9	87.7	346	1.0	0.0	0.656	53.3	84.7	-16.4	86.3	349	1.0	0.0	0.683	1.0	0.0	0.687	53.6	85.6	-20.3	87.9	346	1.0	0.0	0.683								
348	350	347	1.0	0.0	0.666	53.4	85.0	-17.8	86.8	348	1.0	0.0	0.643	53.2	84.3	-14.8	85.6	350	1.0	0.0	0.667	1.0	0.0	0.674	53.5	85.2	-18.7	87.3	347	1.0	0.0	0.667								
349	351	348	1.0	0.0	0.65	53.2	84.5	-15.7	85.9	349	1.0	0.0	0.63	53.1	83.9	-13.2	84.9	351	1.0	0.0	0.65	1.0	0.0	0.662	53.4	84.9	-17.2	86.6	348	1.0	0.0	0.65								
350	352	349	1.0	0.0	0.633	53.0	83.9	-13.6	85.0	350	1.0	0.0	0.619	53.0	83.6	-11.7	84.4	352	1.0	0.0	0.633	1.0	0.0	0.65	53.3	84.5	-15.6	86.0	349	1.0	0.0	0.633								
352	353	350	1.0	0.0	0.616	52.9	83.6	-11.4	84.3	352	1.0	0.0	0.608	52.9	83.5	-10.2	84.2	353	1.0	0.0	0.617	1.0	0.0	0.638	53.1	84.1	-14.1	85.3	350	1.0	0.0	0.617								
353	354	351	1.0	0.0	0.6	52.8	83.4	-9.1	83.9	353	1.0	0.0	0.597	52.8	83.4	-8.7	83.9	354	1.0	0.0	0.6	1.0	0.0	0.626	53.0	83.7	-12.6	84.7	351	1.0	0.0	0.6								
355	355	352	1.0	0.0	0.583	52.7	83.2	-6.9	83.5	355	1.0	0.0	0.586	52.7	83.3	-7.2	83.6	355	1.0	0.0	0.583	1.0	0.0	0.615	52.9	83.6	-11.2	84.4	352	1.0	0.0	0.583								
356	356	353	1.0	0.0	0.566	52.5	82.9	-4.6	83.0	356	1.0	0.0	0.575	52.6	83.1	-5.7	83.3	356	1.0	0.0	0.567	1.0	0.0	0.605	52.9	83.5	-9.8	84.1	353	1.0	0.0	0.567								
358	357	354	1.0	0.0	0.55	52.4	82.5	-2.4	82.6	358	1.0	0.0	0.564	52.6	82.9	-4.2	83.0	357	1.0	0.0	0.55	1.0	0.0	0.595	52.8	83.4	-8.4	83.8	354	1.0	0.0	0.55								
359	358	355	1.0	0.0	0.533	52.3	82.1	-0.1	82.1	359	1.0	0.0	0.554	52.5	82.7	-2.8	82.7	358	1.0	0.0	0.533	1.0	0.0	0.584	52.7	83.2	-7.0	83.5	355	1.0	0.0	0.533								
361	359	356	1.0	0.0	0.516	52.1	81.6	2.0	81.7	361	1.0	0.0	0.543	52.4	82.4	-1.3	82.4	359	1.0	0.0	0.517	1.0	0.0	0.574	52.6	83.1	-5.6	83.3	356	1.0	0.0	0.517								
362	360	352	1.0	0.0	0.5	52.0	81.1	4.1	81.2	362	1.0	0.0	0.532	52.3	82.1	0.0	82.1	360	1.0	0.0	0.5	1.0	0.0	0.618	53.0	83.6	-11.6	84.4	352	1.0	0.0	0.5								
364	361	353	1.0	0.0	0.483	51.9	81.1	6.5	81.3	364	1.0	0.0	0.521	52.2	81.8	1.4	81.8	361	1.0	0.0	0.483	1.0	0.0	0.606	52.9	83.5	-9.9	84.1	353	1.0	0.0	0.483								
366	362	354	1.0	0.0	0.466	51.8	81.0	8.8	81.5	366	1.0	0.0	0.51	52.1	81.5	2.8	81.6	362	1.0	0.0	0.467	1.0	0.0	0.594	52.8	83.4	-8.2	83.8	354	1.0	0.0	0.467								
367	363	355	1.0	0.0	0.45	51.7	80.8	11.1	81.6	367	1.0	0.0	0.499	52.1	81.2	4.3	81.3	363	1.0	0.0	0.45	1.0	0.0	0.582	52.7	83.2	-6.6	83.5	355	1.0	0.0	0.45								
369	364	356	1.0	0.0	0.433	51.6	80.6	13.5	81.7	369	1.0	0.0	0.489	52.0	81.2	5.7	81.4	364	1.0	0.0	0.433	1.0	0.0	0.57	52.6	83.0	-5.0	83.1	356	1.0	0.0	0.433								
371	365	357	1.0	0.0	0.416	51.5	80.3	15.8	81.8	371	1.0	0.0	0.479	51.9	81.1	7.1	81.4	365	1.0	0.0	0.417	1.0	0.0	0.558	52.5	82.7	-3.3	82.8	357	1.0	0.0	0.417								
372	366	358	1.0	0.0	0.4	51.4	79.9	18.1	81.9	372	1.0	0.0	0.469	51.9	81.1	8.5	81.5	366	1.0	0.0	0.4	1.0	0.0	0.546	52.4	82.5	-1.7	82.5	358	1.0	0.0	0.4								
374	367	359	1.0	0.0	0.383	51.4	79.5	20.4	82.1	374	1.0	0.0	0.459	51.8	81.0	9.9	81.6	367	1.0	0.0	0.383	1.0	0.0	0.533	52.3	82.2	-0.1	82.2	359	1.0	0.0	0.383								
376	368	360	1.0	0.0	0.366	51.3	79.3	22.7	82.5	376	1.0	0.0	0.449	51.8	80.9	11.4	81.6	368	1.0	0.0	0.367	1.0	0.0	0.521	52.2	81.8	1.4	81.9	360	1.0	0.0	0.367								
377	369	362	1.0	0.0	0.35	51.2	79.3	25.1	83.2	377	1.0	0.0	0.439	51.7	80.7	12.8	81.7	369	1.0	0.0	0.35	1.0	0.0	0.509	52.1	81.5	3.0	81.5	362	1.0	0.0	0.35								
379	370	363	1.0	0.0	0.333	51.1	79.2	27.4	83.8	379	1.0	0.0	0.429	51.7	80.6	14.2	81.8	370	1.0	0.0	0.333	1.0	0.0	0.497	52.1	81.2	4.5	81.3	363	1.0	0.0	0.333								
380	371	364	1.0	0.0	0.316	51.1	79.1	29.7	84.5	380	1.0	0.0	0.418	51.6	80.4	15.6	81.9	371	1.0	0.0	0.317	1.0	0.0	0.486	52.0	81.1	6.1	81.4	364	1.0	0.0	0.317								
382	372	365	1.0	0.0	0.3	51.0	78.9	32.1	85.2	382	1.0	0.0	0.408	51.5	80.1	17.0	81.9	372	1.0	0.0	0.3	1.0	0.0	0.475	51.9	81.1	7.7	81.5	365	1.0	0.0	0.3								
383	373	366	1.0	0.0	0.283	51.0	78.7	34.4	85.9	383	1.0	0.0	0.398	51.5	79.9	18.4	82.0	373	1.0	0.0	0.283	1.0	0.0	0.464	51.9	81.0	9.3	81.5	366	1.0	0.0	0.283								
385	374	367	1.0	0.0	0.266	50.9	78.3	36.8	86.6	385	1.0	0.0	0.388	51.4	79.6	19.9	82.1	374	1.0	0.0	0.267	1.0	0.0	0.452	51.8	80.9	10.9	81.6	367	1.0	0.0	0.267								
386	375	368	1.0	0.0	0.25	50.8	77.9	39.2	87.2	386	1.0	0.0	0.378	51.4	79.4	21.3	82.2	375	1.0	0.0	0.25	1.0	0.0	0.441	51.7	80.7	12.5	81.7	368	1.0	0.0	0.25								
387	376	369	1.0	0.0	0.233	50.8	78.0	41.2	88.2	387	1.0	0.0	0.367	51.3	79.3	22.7	82.5	376	1.0	0.0	0.233	1.0	0.0	0.43	51.7	80.6	14.0	81.8	369	1.0	0.0	0.233								
389	377	370	1.0	0.0	0.216	50.8	78.0	43.3	89.2	389	1.0	0.0	0.356	51.3	79.3	24.3	82.9	377	1.0	0.0	0.217	1.0	0.0	0.418	51.6	80.4	15.6	81.9	370	1.0	0.0	0.217								
390	378	372	1.0	0.0	0.2	50.7	78.0	45.4	90.2	390	1.0	0.0	0.345	51.2	79.3	25.8	83.4	378	1.0	0.0	0.2	1.0	0.0	0.407	51.5	80.1	17.2	81.9	372	1.0	0.0	0.2								
391	379	373	1.0	0.0	0.183	50.7	77.9	47.5	91.2	391	1.0	0.0	0.334	51.2	79.3	27.3	83.8	379	1.0	0.0	0.183	1.0	0.0	0.396	51.5	79.9	18.8	82.0	373	1.0	0.0	0.183								
392	380	374	1.0	0.0	0.166	50.6	77.8	49.6	92.2	392	1.0	0.0	0.323	51.2	79.2	28.8	84.3	380	1.0	0.0	0.167	1.0	0.0	0.385	51.4	79.6	20.3	82.1	374	1.0	0.0	0.167								
393	381	375	1.0	0.0	0.15	50.6	77.6	51.7	93.3	393	1.0	0.0	0.312	51.1	79.1	30.4	84.7	381	1.0	0.0	0.15	1.0	0.0	0.373	51.3	79.3	21.9	82.3	375	1.0	0.0	0.15								
394	382	376	1.0	0.0	0.133	50.6	77.3	53.9	94.3	394	1.0	0.0	0.301	51.1	79.0	31.9	85.2	382	1.0	0.0	0.133	1.0	0.0	0.361	51.3	79.3	23.6	82.8	376	1.0	0.0	0.133								
395	383	377	1.0	0.0	0.116	50.5	77.2	55.6	95.1	395	1.0	0.0	0.291	51.0	78.8	33.5	85.6	383	1.0	0.0	0.117	1.0	0.0	0.349	51.3	79.3	25.3	83.3	377	1.0	0.0</									

1-1031230-L0	RE510-72	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 13/29

TUB-test chart RE51; 1080 standard colours
48 step hue circles; *rgb-LabCh** tables

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

TUV registration: 20130201-RE51/RE51L0FP.PDF /.PS
application for measurement of display output, no separation

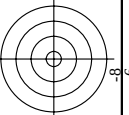
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmietrik/RE51/RE51.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmietrik>



n/f	HfC*Fidd	rgb_Fidd	lch_Fidd	hsa_Fidd	rgb*Fidd	LabCH*Fidd	LabCH*Fidd	DF*Fidd	rgbb*Fidd	LabCH*Fidd	LabCH*Fidd	DF*Fidd	rgbb*Fidd	LabCH*Fidd	LabCH*Fidd
0/648	R00Y_100_100dd	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1/648	R25Y_100_100dd	0.25	0.0	0.0	1.0	0.233	0.0	0.0	0.0	0.0	0.0	0.233	0.0	0.0	0.0
2/648	R50Y_100_100dd	0.5	0.0	0.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
3/648	R75Y_100_100dd	0.75	0.0	0.0	1.0	0.766	0.0	0.0	0.0	0.0	0.0	0.766	0.0	0.0	0.0
4/648	Y00C_100_100dd	1.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
5/648	Y25C_100_100dd	0.75	0.0	0.0	1.0	0.766	0.0	0.0	0.0	0.0	0.0	0.766	0.0	0.0	0.0
6/648	Y50C_100_100dd	0.5	0.0	0.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
7/648	Y75C_100_100dd	0.25	0.0	0.0	1.0	0.233	0.0	0.0	0.0	0.0	0.0	0.233	0.0	0.0	0.0
8/72	G00B_100_100dd	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
9/72	G25B_100_100dd	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
10/76	G50B_100_100dd	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
11/80	G75B_100_100dd	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
12/44	G90B_100_100dd	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
13/8	B00M_100_100dd	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
14/332	B25R_100_100dd	0.5	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
15/652	B50R_100_100dd	1.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
16/652	B75R_100_100dd	1.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
17/648	R00Y_100_100dd	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18/688	R00Y_100_050dd	1.0	0.5	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
19/706	R50Y_100_050dd	0.75	0.5	0.5	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0
20/724	Y00C_100_050dd	1.0	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
21/24	Y25C_100_050dd	0.75	0.0	0.5	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0
22/400	G00B_100_050dd	0.5	1.0	0.5	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.5	1.0	0.0	0.0
23/400	G25B_100_050dd	0.5	1.0	0.5	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.5	1.0	0.0	0.0
24/400	G50B_100_050dd	0.5	1.0	0.5	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.5	1.0	0.0	0.0
25/692	B50R_100_050dd	1.0	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
26/688	R00Y_100_050dd	1.0	0.5	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
27/506	R00Y_075_050dd	0.75	0.25	0.25	0.0	0.75	0.25	0.0	0.0	0.0	0.0	0.75	0.25	0.0	0.0
28/524	R50Y_075_050dd	0.75	0.25	0.25	0.0	0.75	0.25	0.0	0.0	0.0	0.0	0.75	0.25	0.0	0.0
29/542	Y00C_075_050dd	1.0	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
30/380	Y50C_075_050dd	0.75	0.25	0.25	0.0	0.75	0.25	0.0	0.0	0.0	0.0	0.75	0.25	0.0	0.0
31/218	G00B_075_050dd	0.25	0.75	0.25	0.0	0.25	0.75	0.0	0.0	0.0	0.0	0.25	0.75	0.0	0.0
32/222	G50B_075_050dd	0.25	0.75	0.25	0.0	0.25	0.75	0.0	0.0	0.0	0.0	0.25	0.75	0.0	0.0
33/186	B00R_075_050dd	0.25	0.25	0.75	0.0	0.25	0.25	0.75	0.0	0.0	0.0	0.25	0.25	0.75	0.0
34/510	B50R_075_050dd	0.75	0.25	0.25	0.0	0.75	0.25	0.25	0.0	0.0	0.0	0.75	0.25	0.25	0.0
35/506	R00Y_075_050dd	0.75	0.25	0.25	0.0	0.75	0.25	0.25	0.0	0.0	0.0	0.75	0.25	0.25	0.0
36/324	R00Y_050_050dd	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
37/342	R50Y_050_050dd	0.5	0.25	0.25	0.0	0.5	0.25	0.0	0.0	0.0	0.0	0.5	0.25	0.0	0.0
38/360	Y00C_050_050dd	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
39/198	Y50C_050_050dd	0.25	0.5	0.25	0.0	0.25	0.5	0.0	0.0	0.0	0.0	0.25	0.5	0.0	0.0
40/36	G00B_050_050dd	0.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
41/40	G50B_050_050dd	0.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
42/4	B00R_050_050dd	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0
43/328	B50R_050_050dd	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
44/324	R00Y_050_050dd	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
45/0	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46/91	NW_015dd	0.125	0.125	0.125	0.0	0.125	0.125	0.125	0.0	0.0	0.0	0.125	0.125	0.125	0.0
47/182	NW_025dd	0.25	0.25	0.25	0.0	0.25	0.25	0.25	0.0	0.0	0.0	0.25	0.25	0.25	0.0
48/273	NW_035dd	0.375	0.375	0.375	0.0	0.375	0.375	0.375	0.0	0.0	0.0	0.375	0.375	0.375	0.0
49/364	NW_050dd	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.0
50/435	NW_065dd	0.625	0.625	0.625	0.0	0.625	0.625	0.625	0.0	0.0	0.0	0.625	0.625	0.625	0.0
51/46	NW_080dd	0.75	0.75	0.75	0.0	0.75	0.75	0.75	0.0	0.0	0.0	0.75	0.75	0.75	0.0
52/63	NW_095dd	0.875	0.875	0.875	0.0	0.875	0.875	0.875	0.0	0.0	0.0	0.875	0.875	0.875	0.0
53/728	NW_100dd	1.0	1.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0

Mean color difference of this page: $\Delta E^* = 0.8$



TUB material: code=rha4ta

A diagram of a target with concentric circles and a vertical line with an arrow pointing to the center.

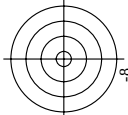
input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *rgb^{*}_{dd}*

RE510-7N, Page 16/29-F

С.О. - 4.07.11.10

Mean color difference on this page:

n	HIC* _{Fid}	rgb_Fid	tc_Fid	hsa_Fid	rgb*_Fid	LabCH*_Fid	LabCH*_Fid	rgb*_Fid	DE** _{Fid} hAN_id	rgb*_Fid	LabCH*_Fid	LabCH*_Fid
81	B00Y_012_012ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	6.3 9.6	5.3 11.8	0.151 0.041 0.011	6.5 13.5	0.151 0.041 0.011	5.3 11.8	5.3 11.8
82	B00R_012_012ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	11.7 11.7	14.1 14.1	0.137 0.052 0.133	29.7 30.0	0.137 0.052 0.133	14.1 14.1	14.1 14.1
83	B25K_025_025ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	9.6 19.9	8.8 21.3	0.137 0.061 0.24	38.9 39.0	0.137 0.061 0.24	8.8 21.3	8.8 21.3
84	B15K_037_037ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	19.9 22.4	18.8 21.3	0.159 0.064 0.354	39.0 39.1	0.159 0.064 0.354	18.8 21.3	18.8 21.3
85	B11K_050_050ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	38.3 38.3	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
86	B09K_062_062ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	47.8 47.8	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
87	B07K_075_075ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	56.2 56.2	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
88	B06R_087_087ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	75.7 75.7	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
89	B05K_100_100ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	100.0 100.0	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
90	Y00C_012_012ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	9.6 19.9	8.8 21.3	0.151 0.041 0.011	6.5 13.5	0.151 0.041 0.011	5.3 11.8	5.3 11.8
91	NW_012ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	11.7 11.7	14.1 14.1	0.137 0.052 0.133	29.7 30.0	0.137 0.052 0.133	14.1 14.1	14.1 14.1
92	B00R_025_025ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	19.9 22.4	18.8 21.3	0.159 0.064 0.354	39.0 39.1	0.159 0.064 0.354	18.8 21.3	18.8 21.3
93	B00R_037_037ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	38.3 38.3	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
94	B00R_050_050ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	47.8 47.8	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
95	B00R_062_062ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	56.2 56.2	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
96	B00R_075_075ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	75.7 75.7	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
97	B00R_087_087ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	100.0 100.0	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
98	B00R_100_100ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	100.0 100.0	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
99	Y50G_025_025ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	11.7 11.7	14.1 14.1	0.137 0.052 0.133	29.7 30.0	0.137 0.052 0.133	14.1 14.1	14.1 14.1
100	G50B_025_025ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	19.9 22.4	18.8 21.3	0.159 0.064 0.354	39.0 39.1	0.159 0.064 0.354	18.8 21.3	18.8 21.3
101	G50B_037_037ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	38.3 38.3	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
102	G75B_037_025ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	47.8 47.8	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
103	G84B_050_037ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	56.2 56.2	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
104	G80B_075_062ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	75.7 75.7	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
105	G90B_075_062ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	100.0 100.0	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
106	G92B_087_075ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	100.0 100.0	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
107	G92B_087_075ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	100.0 100.0	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
108	G68C_037_037ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	38.3 38.3	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
109	G00B_037_025ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	11.7 11.7	14.1 14.1	0.137 0.052 0.133	29.7 30.0	0.137 0.052 0.133	14.1 14.1	14.1 14.1
110	G25B_037_025ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	19.9 22.4	18.8 21.3	0.159 0.064 0.354	39.0 39.1	0.159 0.064 0.354	18.8 21.3	18.8 21.3
111	G50B_037_025ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	38.3 38.3	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
112	G65B_050_037ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	47.8 47.8	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
113	G58B_062_050ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	56.2 56.2	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
114	G48B_075_062ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	75.7 75.7	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
115	G46B_087_075ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	100.0 100.0	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
116	Y76C_050_050ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	38.3 38.3	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
117	G00B_050_037ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	11.7 11.7	14.1 14.1	0.137 0.052 0.133	29.7 30.0	0.137 0.052 0.133	14.1 14.1	14.1 14.1
118	G15B_050_037ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	19.9 22.4	18.8 21.3	0.159 0.064 0.354	39.0 39.1	0.159 0.064 0.354	18.8 21.3	18.8 21.3
119	G34B_050_037ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	38.3 38.3	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
120	G50B_050_037ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	47.8 47.8	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
121	G61B_062_050ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	56.2 56.2	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
122	G61B_075_062ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	75.7 75.7	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
123	G69B_075_062ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	100.0 100.0	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
124	G75B_087_075ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	100.0 100.0	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
125	G79B_100_087ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	100.0 100.0	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
126	Y81C_087_050ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	38.3 38.3	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
127	G00B_062_050ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	11.7 11.7	14.1 14.1	0.137 0.052 0.133	29.7 30.0	0.137 0.052 0.133	14.1 14.1	14.1 14.1
128	G11B_062_050ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	19.9 22.4	18.8 21.3	0.159 0.064 0.354	39.0 39.1	0.159 0.064 0.354	18.8 21.3	18.8 21.3
129	G25B_062_050ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	38.3 38.3	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
130	G38B_062_050ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	47.8 47.8	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
131	G50B_062_050ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	56.2 56.2	30.1 30.1	0.171 0.062 0.474	39.0 39.1	0.171 0.062 0.474	30.1 30.1	30.1 30.1
132	G58B_075_062ad	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	75.7 7						



TUB material: code=rha4ta

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

[illegible]

see similar files: <http://130.149.60.45/~farbmatrik/RE51/RE51.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart RE51; 1080 standard colours
colors and differences, ΔE^*

RE510-7N, Page 19/29-F

Mean color difference of this page: 1.0 0.55 0.57 20.4

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

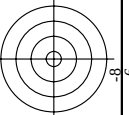
[illegible]
$$\Delta E^* = 0.5$$

see similar files: <http://130.149.60.45/~farbmatrik/RE51/RE51.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart RE51, 1080 standard colours
colors and differences, ΔE^{*}

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

[illegible]

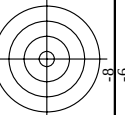


TUB material: code=rha4ta

TTUB-test chart RE51; 1080 standard colours
colors and differences, ΔE^{*}

Mean color difference of this page:

[illegible]



TUB material: code=rha4ta

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

TTUB-test chart RE51; 1080 standard colours
colors and differences, ΔE^*

REF510-7N Page 23/29-E

1 1033330 F0

see similar files: <http://130.149.60.45/~farbmatrik/RE51/RE51.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart RE51; 1080 standard colours
colors and differences, ΔE^*

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

[illegible]

see similar files: <http://130.149.60.45/~farbmatrik/RE51/RE51.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

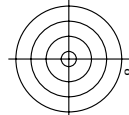
input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *rgb^{*}_{dd}*

TUB-test chart RE51; 1080 standard colours
colors and differences, ΔE^*

RE510-7N. Page 26/29-F

1-1022520-F0

[illegible]



TUB material: code=rha4ta

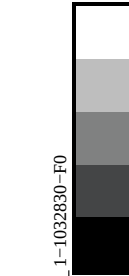
TUB-test chart RE51; 1080 standard colours
colors and differences. ΔE^*

Mean color difference of this page:

n	HIC ⁺ Tid	rob_end	ict_end	hsa_end	rob ⁺ Tid			LabCh ⁺ Tid			DE ⁺ Tid_huaxid	rgb ⁺ Tid			LabCh ⁺ Tid									
					0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0							
972	NW_0004id	0.125	0.125	0.125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
973	NW_0124id	0.125	0.125	0.125	0.125	11.9	0.0	0.0	0.129	0.132	0.132	11.9	-0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0
974	NW_0254id	0.25	0.25	0.25	0.25	23.8	0.0	0.0	0.232	0.236	0.237	23.7	-0.4	-0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0
975	NW_0374id	0.375	0.375	0.375	0.375	35.7	0.0	0.0	0.345	0.35	0.35	35.7	-0.4	-0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0
976	NW_0504id	0.5	0.5	0.5	0.5	47.7	0.0	0.0	0.466	0.47	0.471	47.7	-0.3	-0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0
977	NW_0624id	0.625	0.625	0.625	0.625	59.6	0.0	0.0	0.559	0.563	0.564	59.4	-0.2	-0.1	0.4	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0
978	NW_0754id	0.75	0.75	0.75	0.75	71.5	0.0	0.0	0.721	0.724	0.724	71.3	-0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0
979	NW_0874id	0.875	0.875	0.875	0.875	83.4	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0
980	NW_1004id	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0
981	NW_0004id	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
982	NW_0124id	0.125	0.125	0.125	0.125	11.9	0.0	0.0	0.129	0.132	0.132	11.9	-0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0
983	NW_0254id	0.25	0.25	0.25	0.25	23.8	0.0	0.0	0.232	0.236	0.237	23.7	-0.4	-0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0
984	NW_0374id	0.375	0.375	0.375	0.375	35.7	0.0	0.0	0.345	0.35	0.35	35.7	-0.4	-0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0
985	NW_0504id	0.5	0.5	0.5	0.5	47.7	0.0	0.0	0.466	0.47	0.471	47.7	-0.3	-0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0
986	NW_0624id	0.625	0.625	0.625	0.625	59.6	0.0	0.0	0.559	0.563	0.564	59.4	-0.2	-0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0
987	NW_0754id	0.75	0.75	0.75	0.75	71.5	0.0	0.0	0.721	0.724	0.724	71.3	-0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0
988	NW_0874id	0.875	0.875	0.875	0.875	83.4	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0
989	NW_1004id	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0
990	NW_0004id	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
991	NW_0124id	0.125	0.125	0.125	0.125	11.9	0.0	0.0	0.129	0.132	0.132	11.9	-0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0
992	NW_0254id	0.25	0.25	0.25	0.25	23.8	0.0	0.0	0.232	0.236	0.237	23.7	-0.4	-0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0
993	NW_0374id	0.375	0.375	0.375	0.375	35.7	0.0	0.0	0.345	0.35	0.35	35.7	-0.4	-0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0
994	NW_0504id	0.5	0.5	0.5	0.5	47.7	0.0	0.0	0.466	0.47	0.471	47.7	-0.3	-0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0
995	NW_0624id	0.625	0.625	0.625	0.625	59.6	0.0	0.0	0.559	0.563	0.564	59.4	-0.2	-0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0
996	NW_0754id	0.75	0.75	0.75	0.75	71.5	0.0	0.0	0.721	0.724	0.724	71.3	-0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0
997	NW_0874id	0.875	0.875	0.875	0.875	83.4	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0
998	NW_1004id	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0
999	NW_0004id	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1000	NW_0124id	0.125	0.125	0.125	0.125	11.9	0.0	0.0	0.129	0.132	0.132	11.9	-0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0
1001	NW_0254id	0.25	0.25	0.25	0.25	23.8	0.0	0.0	0.232	0.236	0.237	23.7	-0.4	-0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0
1002	NW_0374id	0.375	0.375	0.375	0.375	35.7	0.0	0.0	0.345	0.35	0.35	35.7	-0.4	-0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0
1003	NW_0504id	0.5	0.5	0.5	0.5	47.7	0.0	0.0	0.466	0.47	0.471	47.7	-0.3	-0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0
1004	NW_0624id	0.625	0.625	0.625	0.625	59.6	0.0	0.0	0.559	0.563	0.564	59.4	-0.2	-0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0
1005	NW_0754id	0.75	0.75	0.75	0.75	71.5	0.0	0.0	0.721	0.724	0.724	71.3	-0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0
1006	NW_0874id	0.875	0.875	0.875	0.875	83.4	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0
1007	NW_1004id	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0
1008	NW_0064id	0.066	0.066	0.066	0.066	6.2	0.0	0.0	0.068	0.07	0.07	4.7	-0.1	0.0	0.1	215.3	1.5	360	1.0	1.0	1.0	95.4	0.0	0.0
1009	NW_0134id	0.133	0.133	0.133	0.133	12.6	0.0	0.0	0.134	0.138	0.138	12.6	-0.1	-0.1	0.5	198.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0
1010	NW_0204id	0.2	0.2	0.2	0.2	23.0	0.0	0.0	0.181	0.193	0.193	18.7	-0.1	-0.1	1.2	202.3	1.3	360	1.0	1.0	1.0	95.4	0.0	0.0
1011	NW_0204id	0.2	0.2	0.2	0.2	23.0	0.0	0.0	0.181	0.193	0.193	18.7	-0.1	-0.1	1.2	202.3	1.3	360	1.0	1.0	1.0	95.4	0.0	0.0
1012	NW_0264id	0.266	0.266	0.266	0.266	25.3	0.0	0.0	0.25	0.251	0.251	25.4	-0.7	-0.3	0.8	203.1	0.8	360	1.0	1.0	1.0	95.4	0.0	0.0
1013	NW_0334id	0.333	0.333	0.333	0.333	31.7	0.0	0.0	0.303	0.311	0.311	31.6	-0.7	-0.3	0.8	203.1	0.8	360	1.0	1.0	1.0	95.4	0.0	0.0
1014	NW_0404id	0.4	0.4	0.4	0.4	38.1	0.0	0.0	0.374	0.374	0.374	38.2	-0.4	-0.5	0.7	217.7	0.7	360	1.0	1.0	1.0	95.4	0.0	0.0
1015	NW_0464id	0.466	0.466	0.466	0.466	44.4	0.0	0.0	0.431	0.437	0.437	44.4	-0.5	-0.2	0.5	203.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0
1016	NW_0534id	0.533	0.533	0.533	0.533	50.8	0.0	0.0	0.503	0.504	0.504	51.0	-0.3	-0.1	0.4	204.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0
1017	NW_0604id	0.6	0.6	0.6	0.6	57.2	0.0	0.0	0.564	0.569	0.569	57.1	-0.3	-0.1	0.4	207.4	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0
1018	NW_0664id	0.666	0.666	0.666	0.666	63.5	0.0	0.0	0.634	0.635	0.635	63.3	-0.1	0.0	0.1	207.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0
1019	NW_0734id	0.734	0.734	0.734	0.734	70.0	0.0	0.0	0.703	0.706	0.707	69.8	-0.3	-0.1	0.3	205.7	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0
1020	NW_0804id	0.8	0.8	0.8	0.8	76.3	0.0	0.0	0.775	0.778	0.778	76.1	-0.1	0.0	0.2	206.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0
1021	NW_0864id	0.866	0.866	0.866	0.866	82.6	0.0	0.0	0.847	0.85	0.85	82.5	-0.1	0.0	0.1	209.2	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0
1022	NW_0934id	0.933	0.933	0.933	0.933	89.0	0.0	0.0	0.921	0.924	0.924	88.9	-0.2	-0.1	0.2	207.0	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0
1023	NW_1004id	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0
1024	NW_0004id	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1025	NW_0064id	0.066	0.066	0.066	0.066	6.2	0.0	0.0	0.068	0.07	0.07	4.7	-0.1	0.0	0.1	215.3	1.5	360	1.0	1.0	1.0	95.4	0.0	0.0
1026	NW_0134id	0.133	0.133	0.133	0.133	12.6	0.0	0.0	0.134	0.138	0.138	12.6	-0.1	-0.1	0.5	198.8	0.5	360	1.0	1.0	1.0	95.4		



see similar files: <http://130.149.60.45/~farbmetrik/RE51/RE51.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



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

TUB-test chart RE51; 1080 standard colours
colors and differences. ΔE^{*}

RE510-7N, Page 29/29-F

η	HIC [†] Fold	rgp [†] Fold	icr [†] Fold	hag [†] Fold	rgp [†] Fold	LabCh [†] Fold	rgp [†] Fold	LabCh [†] Fold	DE [†] Fold _{hag}	rgp [†] Fold	LabCh [†] Fold
10553	NW_086dd	0.866	0.866	0.866	360	0.866	0.0	0.0	0.0	0.0	0.0
10554	NW_093dd	0.933	0.933	0.933	360	0.933	89.0	88.9	207.0	0.2	360
10555	NW_100dd	1.0	1.0	1.0	360	1.0	1.0	95.4	0.0	1.0	95.4
10556	NW_100dd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10557	NW_006dd	0.066	0.066	0.066	360	0.066	0.066	6.2	0.0	0.0	0.0
10558	NW_013dd	0.133	0.133	0.133	360	0.133	0.133	12.6	0.0	0.0	0.0
10559	NW_020dd	0.2	0.2	0.2	360	0.2	0.2	19.0	0.0	0.0	0.0
10560	NW_026dd	0.266	0.266	0.266	360	0.266	0.266	25.3	0.0	0.0	0.0
10561	NW_033dd	0.333	0.333	0.333	360	0.333	0.333	31.7	0.0	0.0	0.0
10562	NW_040dd	0.4	0.4	0.4	360	0.4	0.4	38.1	0.0	0.0	0.0
10563	NW_053dd	0.466	0.466	0.466	360	0.466	0.466	44.4	0.0	0.0	0.0
10564	NW_053dd	0.533	0.533	0.533	360	0.533	0.533	50.8	0.0	0.0	0.0
10565	NW_060dd	0.6	0.6	0.6	360	0.6	0.6	57.2	0.0	0.0	0.0
10566	NW_066dd	0.666	0.666	0.666	360	0.666	0.666	63.6	0.0	0.0	0.0
10567	NW_073dd	0.734	0.734	0.734	360	0.734	0.734	70.0	0.0	0.0	0.0
10568	NW_086dd	0.8	0.8	0.8	360	0.8	0.8	76.3	0.0	0.0	0.0
10569	NW_086dd	0.866	0.866	0.866	360	0.866	0.866	82.6	0.0	0.0	0.0
10570	NW_093dd	0.933	0.933	0.933	360	0.933	0.933	89.0	0.0	0.0	0.0
10571	NW_100dd	1.0	1.0	1.0	360	1.0	1.0	95.4	0.0	1.0	95.4
10572	NW_100dd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10573	NW_100dd	1.0	1.0	1.0	360	1.0	1.0	95.4	0.0	1.0	95.4
10574	RGY_100_100dd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10575	G50E_100_100dd	0.0	0.0	0.0	0.5	390	1.0	50.4	76.9	64.5	100.4
10576	Y00C_100_100dd	0.0	0.0	0.0	1.0	1.0	0.0	86.8	-46.1	-13.5	48.1
10577	B00R_100_100dd	0.0	0.0	0.0	0.5	210	0.0	92.6	-20.7	90.7	92.6
10578	Y00C_100_100dd	0.0	0.0	0.0	1.0	1.0	0.0	92.6	-20.7	90.7	92.6
10579	B00R_100_100dd	0.0	0.0	0.0	1.0	1.0	0.0	92.6	-20.7	90.7	92.6
10580	G00E_100_100dd	0.0	0.0	0.0	0.5	270	0.0	83.6	-82.7	79.8	83.6
10581	Y00C_100_100dd	0.0	0.0	0.0	1.0	1.0	0.0	83.6	-82.7	79.8	83.6
10582	B00R_100_100dd	0.0	0.0	0.0	1.0	1.0	0.0	83.6	-82.7	79.8	83.6
10583	G00E_100_100dd	0.0	0.0	0.0	1.0	1.0	0.0	83.6	-82.7	79.8	83.6
10584	B00R_100_100dd	0.0	0.0	0.0	0.5	330	1.0	0.0	1.0	57.2	94.3
10585	B00R_100_100dd	0.0	0.0	0.0	1.0	1.0	0.0	57.2	94.3	58.4	110.9
10586	B00R_100_100dd	0.0	0.0	0.0	1.0	1.0	0.0	57.2	94.3	58.4	110.9
10587	B00R_100_100dd	0.0	0.0	0.0	1.0	1.0	0.0	57.2	94.3	58.4	110.9

Mean color difference of this page: $\Delta E^* = 0.2$