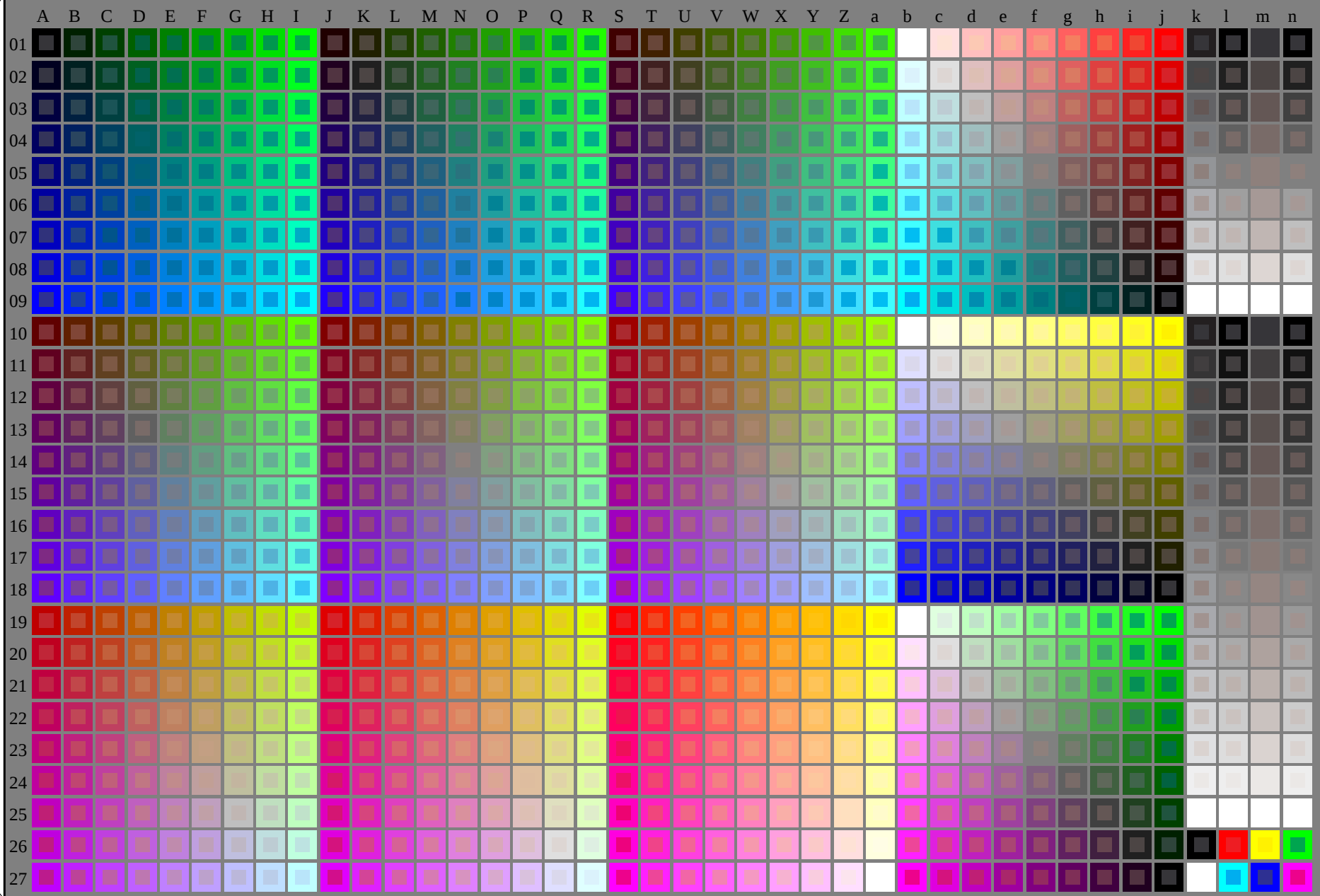


see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS
application for measurement of laser printer output

TUB material: code=rha4ta



RE610-7N_RGB 1-103034-L0

TUB-test chart RE61; 1080 standard colours, $cf=1$
Test chart according to DIN 33872

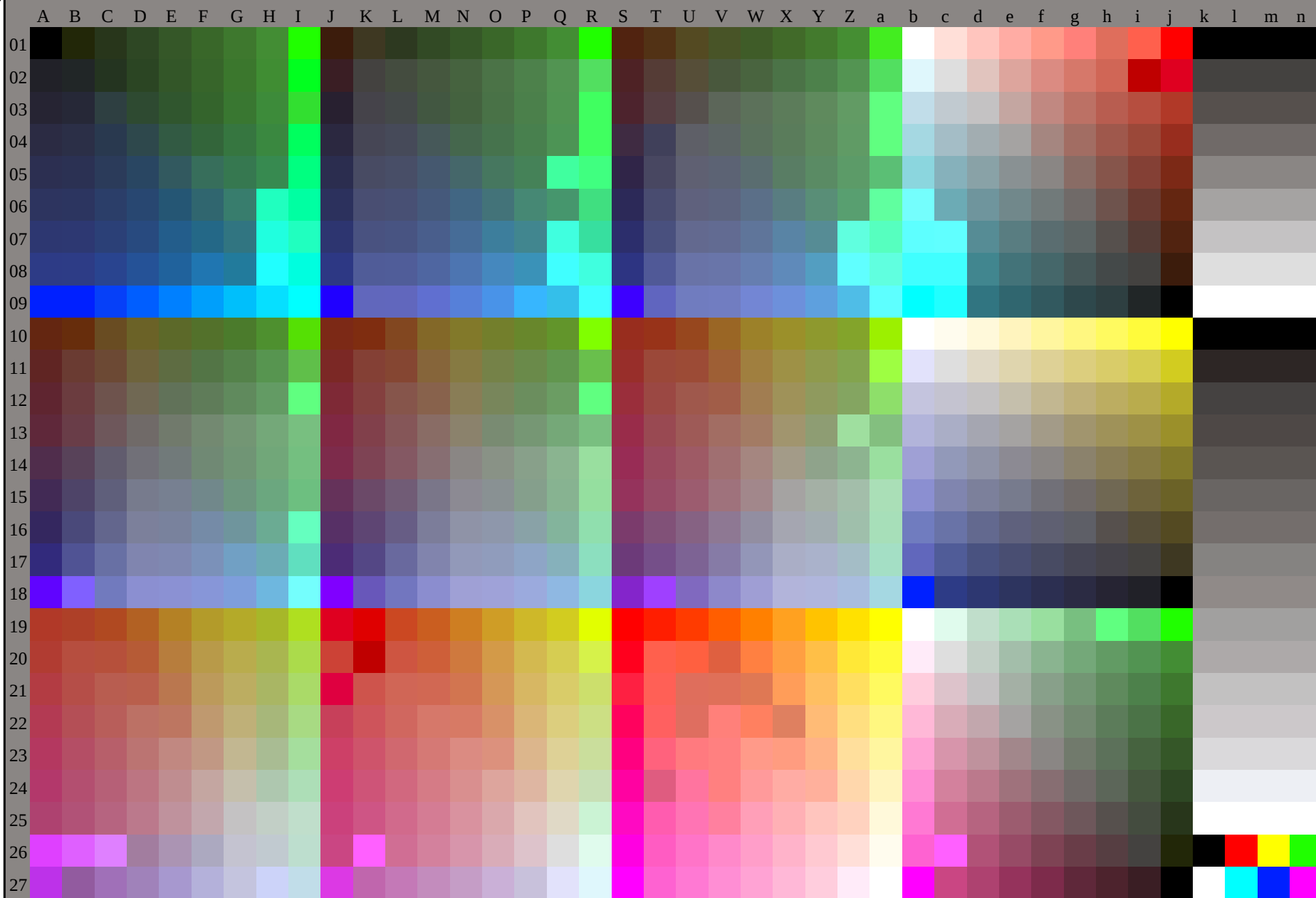
Test chart G with 40x27=1080 colours; equidistant 9 or 16 step colour scales; Colour data in column (A-n): **rgb** (A_j + k26_n27), 000n (k), w (l), nnn0 (m), www (n), 3D = 1

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

http://130.149.60.45/~farbmetrik/RE61/RE61L0FA.TXT /.PS; 3D-linearization
 F: 3D-linearization RE61/RE61LE30FA.DAT in file (F), page 2/33

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS TUB material: code=rha4ta
 application for measurement of laser printer output, no separation rgb* (RGB)



RE610-72 1-103134-L0

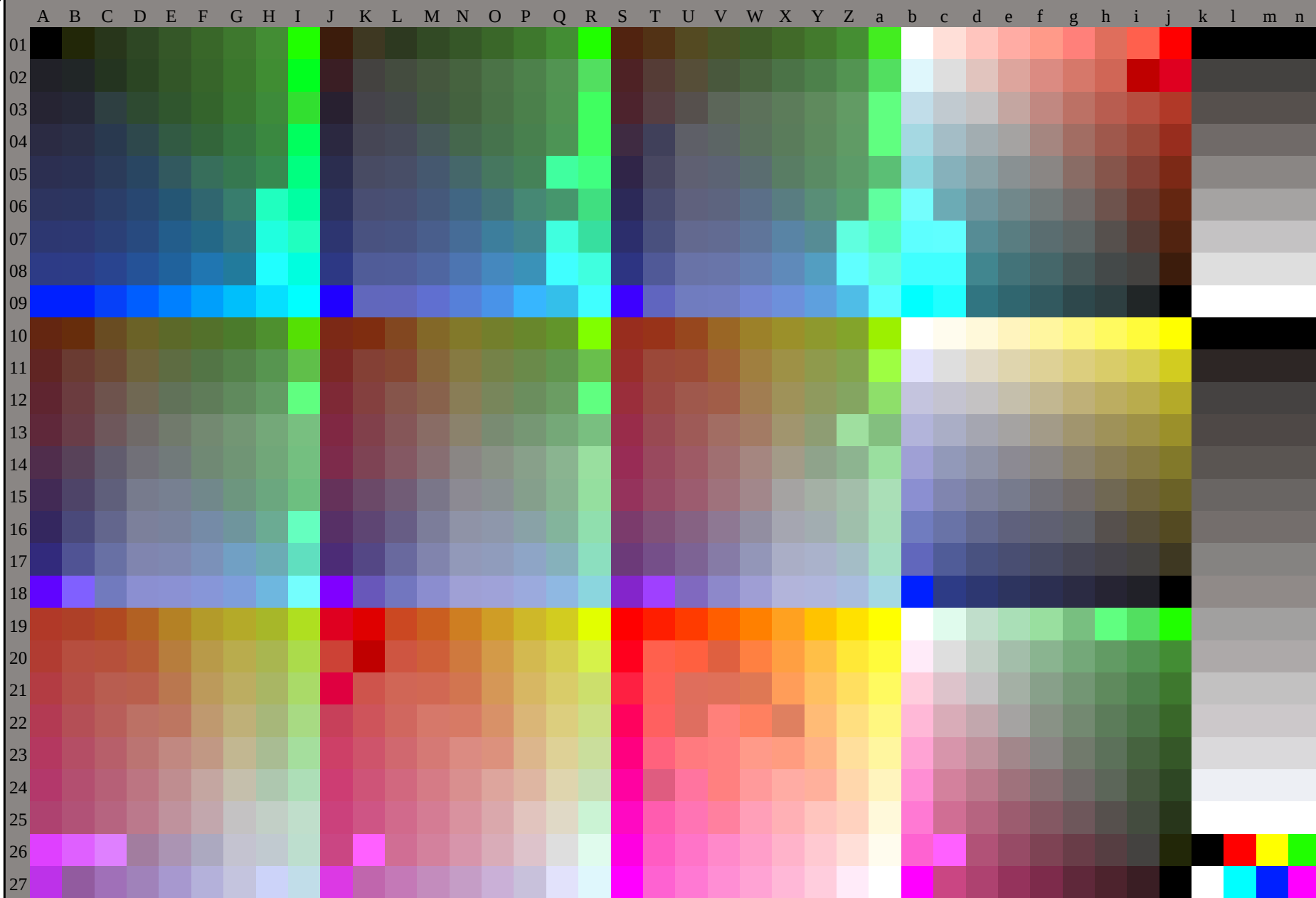
TUB-test chart RE61; 1080 standard colours, $cf=1$
 Test chart according to DIN 33872, 3D=1, $de=0$, rgb^*

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

1-103134-F0

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, no separation rgb* (RGB)



RE610-72 1-103234-L0

TUB-test chart RE61; 1080 standard colours, $cf=1$
Test chart according to DIN 33872

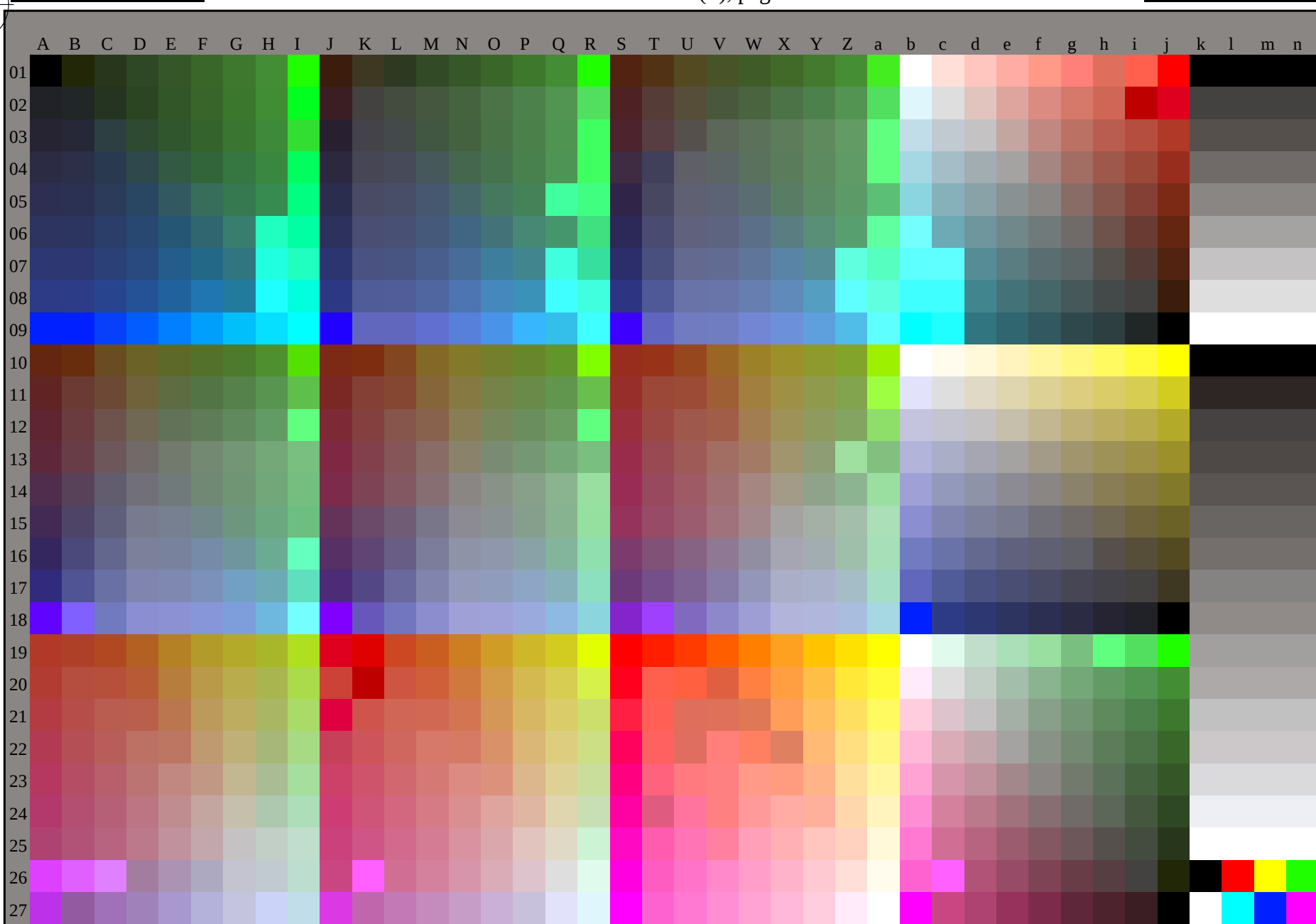
Test chart G with 40x27=1080 colours; equidistant 9 or 16 step colour scales; Colour data in column (A-n);, 3D = 1

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

1-103234-F0

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, no separation rgb* (RGB)



RE610-72 1-103334-L0

TUB-test chart RE61; 1080 standard colours, $cf=1$
Test chart according to DIN 33872

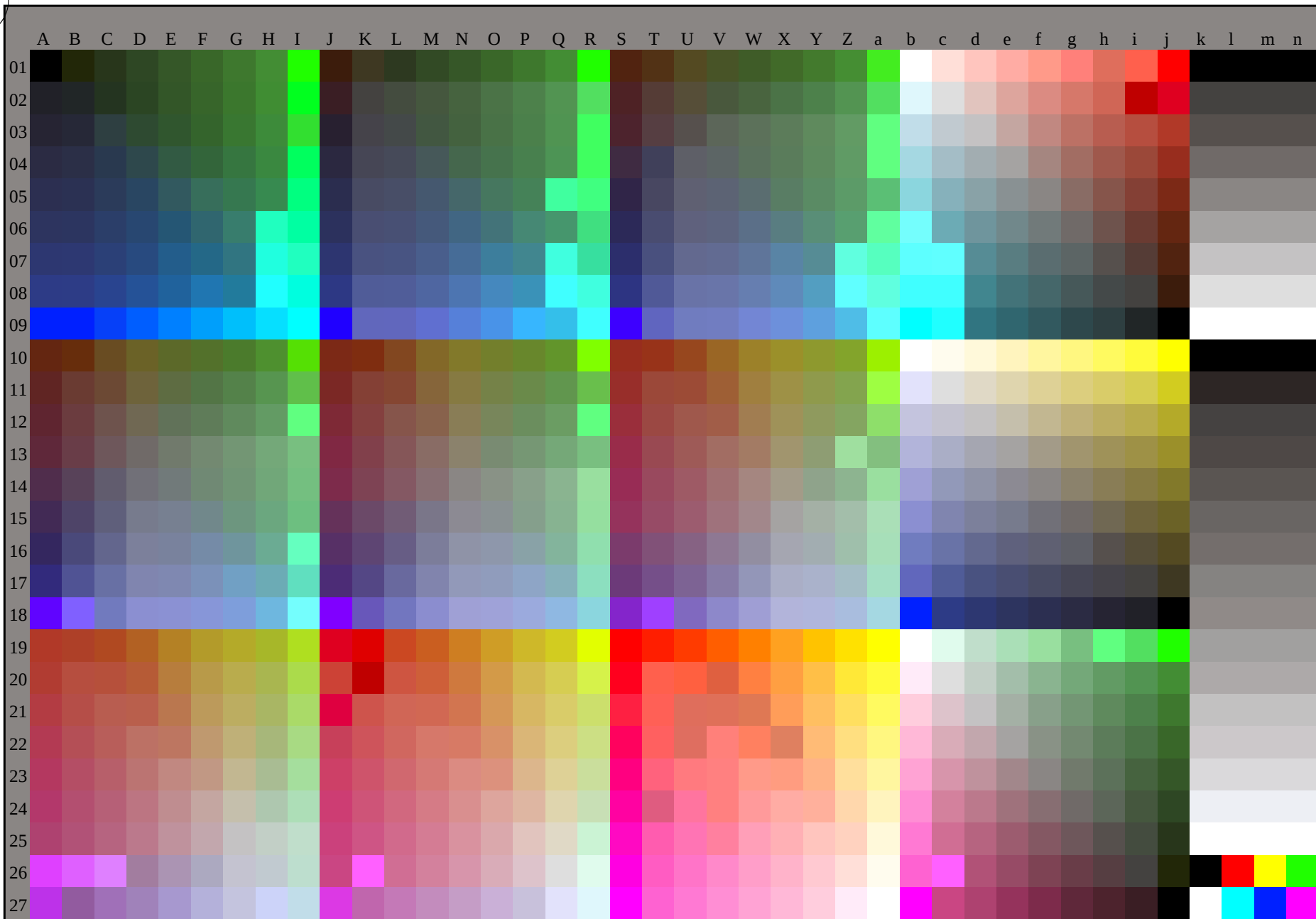
Test chart G with 40x27=1080 colours; equidistant 9 or 16 step colour scales; Colour data in column (A-n);, 3D = 1

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

1-103334-F0

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, no separation rgb* (RGB)



RE610-72 1-103434-L0

TUB-test chart RE61; 1080 standard colours, $cf=1$
Test chart according to DIN 33872

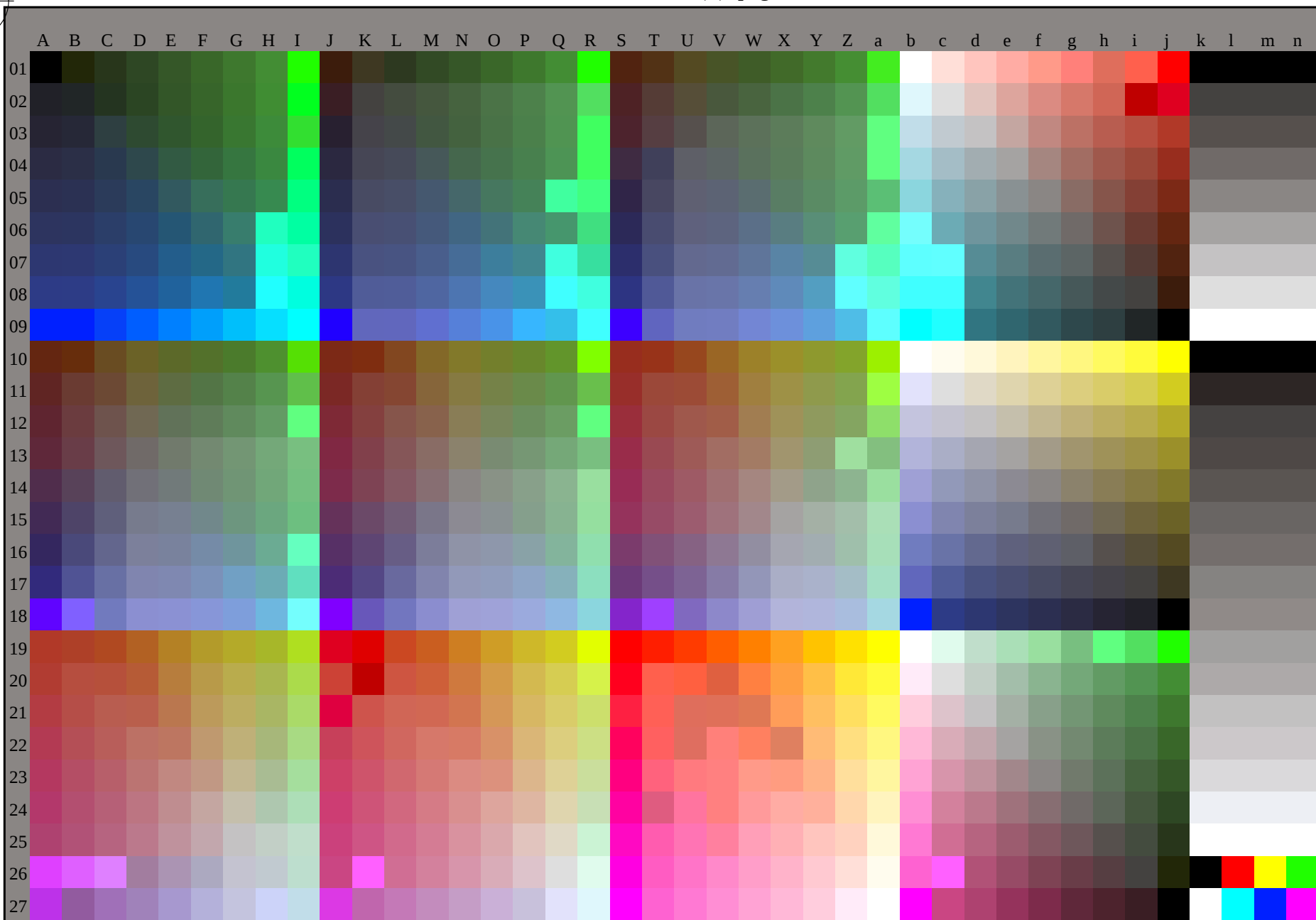
Test chart G with 40x27=1080 colours; equidistant 9 or 16 step colour scales; Colour data in column (A-n);, 3D = 1

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

1-103434-F0

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, no separation rgb* (RGB)



RE610-72 1-103534-L0

TUB-test chart RE61; 1080 standard colours, $cf=1$
Test chart according to DIN 33872

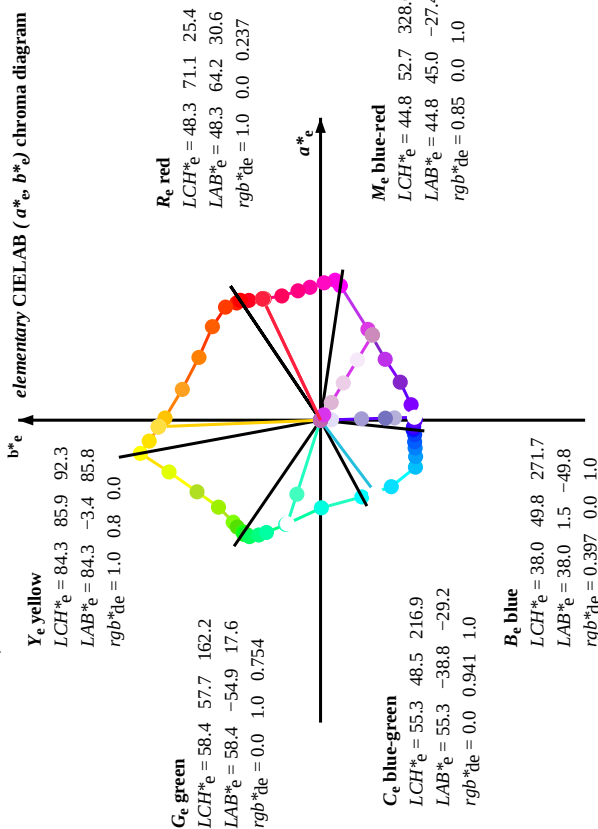
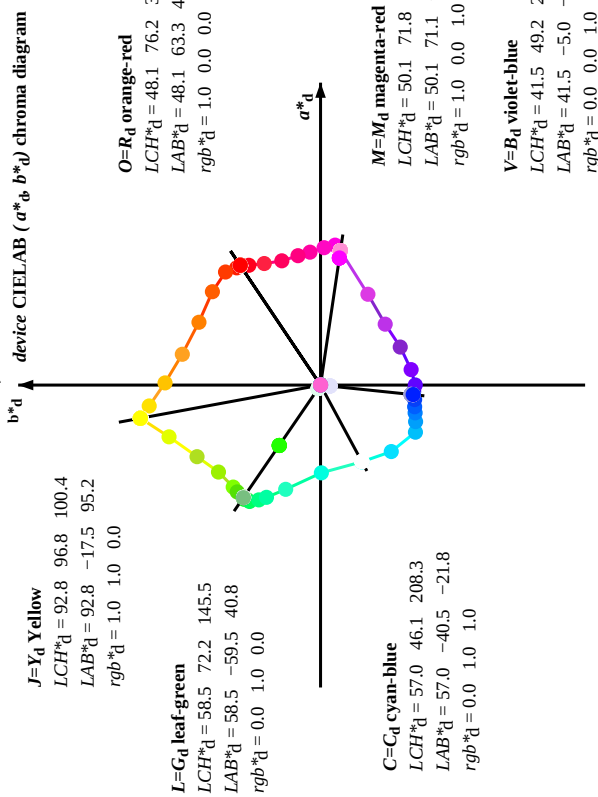
Test chart G with 40x27=1080 colours; equidistant 9 or 16 step colour scales; Colour data in column (A-n); 3D = 1

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

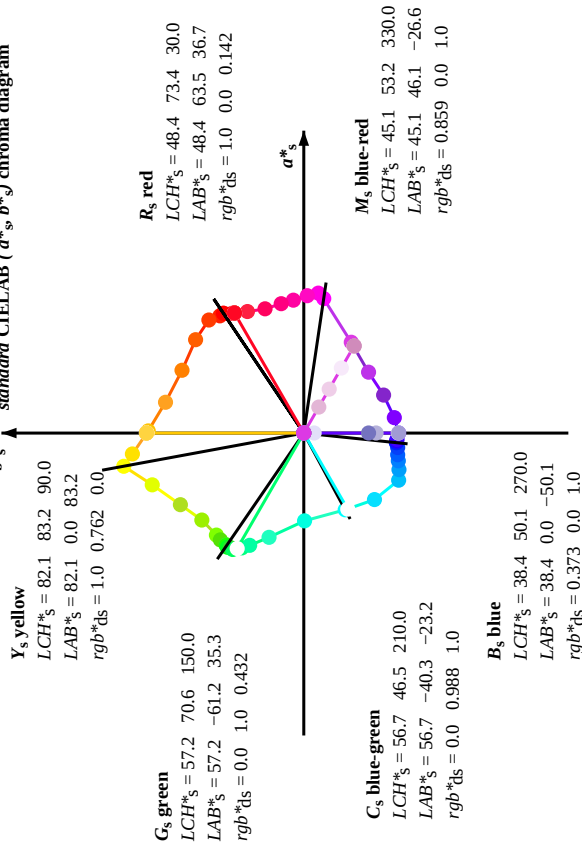
output: 3D-linearization to rgb^*_{dd}

1-103534-F0

Data of Maximum color M in colorimetric system Offset standard print; separation cmyk6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGCMB₆; $h_{ab,6} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours RYGCMB₆; $h_{ab,6} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours RYGCMB₆; $h_{ab,6} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



standard CIELAB (a^*_s, b^*_s) chroma diagram



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

1. For the rgb^*_e -input values the CIELAB data LCH^*_e and LAB^*_e have been calculated.
2. For the calculation of the standard hue angle h_{ab} use for any device values rgb^*_e the equation:
$$h_{ab,s} = \arctan \left[\frac{r^*_d \cos(30) + g^*_d \sin(150)}{1 - r^*_d \sin(30) + g^*_d \sin(270)} \right] \quad (1)$$
3. For the 48 or 360 equally spaced standard hue angles h_{ab} 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:
$$h_{48ab,sij} = h_{ab,si} + j \left[h_{ab,si+1} - h_{ab,si} \right] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j \left[h_{ab,si+1} - h_{ab,si} \right] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
4. For the 48 or 360 elementary hue angles h_{ab} 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:
$$h_{48ab,eij} = h_{ab,ei} + j \left[h_{ab,ei+1} - h_{ab,ei} \right] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j \left[h_{ab,ei+1} - h_{ab,ei} \right] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
5. For any elementary hue angle h_{ab} there is a well defined device hue angle $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4.
6. The values rgb^*_e produce the output of the device-independent elementary hues

RE610-72 1-103634-L0

LAB*_{ab}, YN=0%, XY Znw=2.0, 2.1, 2.1, 85.9, 90.9, 95.1, LAB*_{nw}=15.8, 0.0, 0.0, 96.4, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyk6*, D65, page 7/33

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; $rgb-LabCh$ *tables

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

Data of Maximum color M in colorimetric system Offset standard print; separation cmyrn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM ₆ : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;										Six hue angles of the device colours RYGBM ₆ : $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours RYGBM ₆ : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi}(x=LabCh)$	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	R_s	$rgb^*_{dd361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	R_e	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}				
33	30	25	1.0	0.0	0.0	48.1	63.3	42.5	76.2	33	1.0	0.0	0.0	0.0	0.0				
34	31	26	1.0	0.016	0.0	48.2	63.1	42.7	76.2	34	1.0	0.0	0.017	0.0	0.0				
34	32	27	1.0	0.033	0.0	48.3	62.9	43.0	76.2	34	1.0	0.0	0.033	0.0	0.0				
34	33	28	1.0	0.05	0.0	48.4	62.8	43.2	76.2	34	1.0	0.0	0.05	0.0	0.0				
34	34	29	1.0	0.066	0.0	48.4	62.6	43.5	76.2	34	1.0	0.0	0.067	0.0	0.0				
35	35	31	1.0	0.083	0.0	48.5	62.4	43.7	76.2	35	1.0	0.0	0.083	0.0	0.0				
35	36	32	1.0	0.1	0.0	48.6	62.2	44.0	76.2	35	1.0	0.1	0.1	0.0	0.0				
35	37	33	1.0	0.116	0.0	48.7	62.0	44.2	76.2	35	1.0	0.117	0.117	0.0	0.0				
35	38	34	1.0	0.133	0.0	48.8	61.8	44.7	76.3	35	1.0	0.133	0.133	0.0	0.0				
36	39	35	1.0	0.15	0.0	49.0	61.6	45.5	76.6	36	1.0	0.15	0.15	0.0	0.0				
37	40	36	1.0	0.166	0.0	49.1	61.3	46.3	76.8	37	1.0	0.167	0.167	0.0	0.0				
37	41	37	1.0	0.183	0.0	49.3	61.0	47.1	77.1	37	1.0	0.183	0.183	0.0	0.0				
38	42	38	1.0	0.2	0.0	49.4	60.7	47.9	77.3	38	1.0	0.2	0.2	0.0	0.0				
38	43	39	1.0	0.216	0.0	49.6	60.4	48.7	77.6	38	1.0	0.217	0.217	0.0	0.0				
39	44	41	1.0	0.233	0.0	49.7	60.1	49.4	77.8	39	1.0	0.233	0.233	0.0	0.0				
40	45	42	1.0	0.25	0.0	49.9	59.8	50.2	78.1	40	1.0	0.25	0.25	0.0	0.0				
41	46	43	1.0	0.266	0.0	50.6	58.4	51.3	78.8	41	1.0	0.267	0.267	0.0	0.0				
42	47	44	1.0	0.283	0.0	51.3	57.1	52.3	77.4	42	1.0	0.283	0.283	0.0	0.0				
43	48	45	1.0	0.3	0.0	52.0	55.7	53.2	77.1	43	1.0	0.3	0.3	0.0	0.0				
44	49	46	1.0	0.316	0.0	52.7	54.3	54.2	76.7	44	1.0	0.317	0.317	0.0	0.0				
46	50	47	1.0	0.333	0.0	53.4	52.9	55.1	76.4	46	1.0	0.333	0.333	0.0	0.0				
47	51	48	1.0	0.35	0.0	54.1	51.5	56.0	76.1	47	1.0	0.35	0.35	0.0	0.0				
48	52	49	1.0	0.366	0.0	54.8	50.1	56.8	75.7	48	1.0	0.367	0.367	0.0	0.0				
50	53	51	1.0	0.383	0.0	55.7	48.3	57.8	75.4	50	1.0	0.383	0.383	0.0	0.0				
51	54	52	1.0	0.4	0.0	56.8	46.2	59.0	74.9	51	1.0	0.4	0.4	0.0	0.0				
53	55	53	1.0	0.416	0.0	57.9	44.1	60.0	74.5	53	1.0	0.417	0.417	0.0	0.0				
55	56	54	1.0	0.433	0.0	59.0	42.0	61.1	74.1	55	1.0	0.433	0.433	0.0	0.0				
57	57	55	1.0	0.45	0.0	60.1	39.8	62.0	73.7	57	1.0	0.45	0.45	0.0	0.0				
59	58	56	1.0	0.466	0.0	61.2	37.6	62.8	73.3	59	1.0	0.467	0.467	0.0	0.0				
60	59	57	1.0	0.483	0.0	62.3	35.4	63.6	72.8	60	1.0	0.483	0.483	0.0	0.0				
62	60	58	1.0	0.5	0.0	63.4	33.2	64.3	72.4	62	1.0	0.5	0.5	0.0	0.0				
64	61	60	1.0	0.516	0.0	64.6	31.1	65.7	72.8	64	1.0	0.517	0.517	0.0	0.0				
66	62	61	1.0	0.533	0.0	65.8	29.0	67.1	73.1	66	1.0	0.533	0.533	0.0	0.0				
68	63	62	1.0	0.55	0.0	67.1	26.8	68.3	73.4	68	1.0	0.55	0.55	0.0	0.0				
70	64	63	1.0	0.566	0.0	68.3	24.5	69.5	73.8	70	1.0	0.567	0.567	0.0	0.0				
72	65	64	1.0	0.583	0.0	69.5	22.2	70.7	74.1	72	1.0	0.583	0.583	0.0	0.0				
74	66	65	1.0	0.6	0.0	70.7	19.9	71.7	74.4	74	1.0	0.6	0.6	0.0	0.0				
76	67	66	1.0	0.616	0.0	71.9	17.5	72.7	74.8	76	1.0	0.617	0.617	0.0	0.0				
78	68	67	1.0	0.633	0.0	73.1	15.4	73.8	75.4	78	1.0	0.633	0.633	0.0	0.0				
79	69	68	1.0	0.65	0.0	74.3	13.5	75.2	76.4	79	1.0	0.65	0.65	0.0	0.0				
81	70	70	1.0	0.666	0.0	75.4	11.6	76.5	77.4	81	1.0	0.667	0.667	0.0	0.0				
82	71	71	1.0	0.683	0.0	76.6	9.6	77.8	78.4	82	1.0	0.683	0.683	0.0	0.0				
84	72	72	1.0	0.7	0.0	77.8	7.6	79.0	79.3	84	1.0	0.7	0.7	0.0	0.0				
86	73	73	1.0	0.716	0.0	79.0	5.5	80.1	80.3	86	1.0	0.717	0.717	0.0	0.0				
87	74	74	1.0	0.733	0.0	80.1	3.3	81.2	81.3	87	1.0	0.733	0.733	0.0	0.0				
89	75	75	1.0	0.75	0.0	81.3	1.1	82.3	82.3	89	1.0	0.75	0.75	0.0	0.0				

RE610-72 1-103934-L0

LAB*la0, YN=0%, XYZnw=2.0, 2.1, 2.1, 85.9, 90.9, 95.1, LAB*nmw=15.8, 0.0, 0.0, 96.4, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyrn6*, D65, page 10/33

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; $rgb-LabCh$ *tables

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

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61L0FA.TXT>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS
application for measurement of laser printer output, no separation rgb^* (RGB)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy _n 6*, D65 for input or output; Six hue angles of the 60 degree standard colours RY _G CBM _s : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																					
Six hue angles of the device colours RY _G CBM _d : $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours RY _G CBM _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)	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	
89	75	75	1.0	0.75	0.0	81.3	1.1	82.3	82.3	89	1.0	0.605	0.0	71.1	19.3	72.0	74.6	75	1.0	0.75	0.0
90	76	76	1.0	0.766	0.0	82.3	-0.3	83.5	83.5	90	1.0	0.613	0.0	71.7	18.1	72.5	74.7	76	1.0	0.767	0.0
91	77	77	1.0	0.783	0.0	83.3	-1.8	84.7	84.7	91	1.0	0.622	0.0	72.3	16.9	73.0	74.9	77	1.0	0.783	0.0
92	78	78	1.0	0.8	0.0	84.3	-3.4	85.8	85.9	92	1.0	0.631	0.0	73.0	15.7	73.7	75.3	78	1.0	0.8	0.0
93	79	80	1.0	0.816	0.0	85.3	-5.0	86.9	87.1	93	1.0	0.642	0.0	73.7	14.5	74.6	76.0	79	1.0	0.817	0.0
94	80	81	1.0	0.833	0.0	86.2	-6.7	88.0	88.3	94	1.0	0.652	0.0	74.5	13.3	75.4	76.6	80	1.0	0.833	0.0
95	81	82	1.0	0.85	0.0	87.2	-8.4	89.1	89.5	95	1.0	0.663	0.0	75.2	12.1	76.3	77.2	81	1.0	0.85	0.0
96	82	83	1.0	0.866	0.0	88.2	-10.1	90.1	90.7	96	1.0	0.674	0.0	76.0	10.8	77.1	77.8	82	1.0	0.867	0.0
97	83	84	1.0	0.883	0.0	89.0	-11.4	90.9	91.7	97	1.0	0.684	0.0	76.7	9.6	77.9	78.5	83	1.0	0.883	0.0
97	84	85	1.0	0.9	0.0	89.5	-12.2	91.6	92.4	97	1.0	0.695	0.0	77.5	8.3	78.7	79.1	84	1.0	0.9	0.0
98	85	86	1.0	0.916	0.0	90.1	-13.1	92.2	93.1	98	1.0	0.705	0.0	78.2	6.9	79.4	79.7	85	1.0	0.917	0.0
98	86	87	1.0	0.933	0.0	90.6	-14.0	92.8	93.9	98	1.0	0.716	0.0	79.0	5.6	80.1	80.3	86	1.0	0.933	0.0
99	87	88	1.0	0.95	0.0	91.2	-14.8	93.4	94.6	99	1.0	0.727	0.0	79.7	4.2	80.8	81.0	87	1.0	0.95	0.0
99	88	90	1.0	0.966	0.0	91.7	-15.7	94.0	95.4	99	1.0	0.737	0.0	80.4	2.8	81.5	81.6	88	1.0	0.967	0.0
99	89	91	1.0	0.983	0.0	92.3	-16.6	94.6	96.1	99	1.0	0.748	0.0	81.2	1.4	82.2	82.2	89	1.0	0.983	0.0
100	90	92	1.0	1.0	0.0	92.8	-17.5	95.2	96.8	100	1.0	0.763	0.0	82.1	0.0	83.3	83.3	90	1.0	1.0	0.0
101	91	93	0.983	1.0	0.0	91.6	-19.0	93.3	95.2	101	1.0	0.779	0.0	83.1	-1.4	84.4	84.4	91	0.983	1.0	0.0
102	92	94	0.966	1.0	0.0	90.4	-20.5	91.3	93.6	102	1.0	0.795	0.0	84.0	-2.9	85.5	85.6	92	0.967	1.0	0.0
103	93	95	0.95	1.0	0.0	89.2	-21.9	89.3	92.0	103	1.0	0.811	0.0	85.0	-4.4	86.6	86.7	93	0.95	1.0	0.0
104	94	96	0.933	1.0	0.0	88.0	-23.2	87.3	90.4	104	1.0	0.827	0.0	85.9	-6.0	87.7	87.9	94	0.933	1.0	0.0
106	95	98	0.916	1.0	0.0	86.8	-24.5	85.3	88.7	106	1.0	0.844	0.0	86.9	-7.7	88.7	89.1	95	0.917	1.0	0.0
107	96	99	0.9	1.0	0.0	85.5	-25.7	83.2	87.1	107	1.0	0.86	0.0	87.9	-9.3	89.7	90.2	96	0.9	1.0	0.0
108	97	100	0.883	1.0	0.0	84.3	-26.8	81.2	85.5	108	1.0	0.877	0.0	88.8	-11.0	90.7	91.4	97	0.883	1.0	0.0
109	98	101	0.866	1.0	0.0	83.1	-28.2	79.2	84.1	109	1.0	0.913	0.0	90.0	-12.8	92.1	93.0	98	0.867	1.0	0.0
111	99	102	0.85	1.0	0.0	81.9	-29.8	77.3	82.8	111	1.0	0.949	0.0	91.2	-14.7	93.4	94.6	99	0.85	1.0	0.0
112	100	103	0.833	1.0	0.0	80.6	-31.4	75.3	81.6	112	1.0	0.985	0.0	92.3	-16.6	94.7	96.2	100	0.833	1.0	0.0
114	101	105	0.816	1.0	0.0	79.4	-32.8	73.4	80.4	114	0.992	1.0	0.0	92.2	-18.2	94.3	96.1	101	0.817	1.0	0.0
115	102	106	0.8	1.0	0.0	78.1	-34.2	71.4	79.1	115	0.977	1.0	0.0	91.2	-19.6	92.6	94.6	102	0.8	1.0	0.0
117	103	107	0.783	1.0	0.0	76.9	-35.5	69.3	77.9	117	0.962	1.0	0.0	90.1	-20.9	90.8	93.2	103	0.783	1.0	0.0
118	104	108	0.766	1.0	0.0	75.6	-36.7	67.3	76.7	118	0.947	1.0	0.0	89.0	-22.1	89.0	91.7	104	0.767	1.0	0.0
120	105	109	0.75	1.0	0.0	74.4	-37.9	65.2	75.5	120	0.932	1.0	0.0	87.9	-23.3	87.2	90.3	105	0.75	1.0	0.0
121	106	110	0.733	1.0	0.0	73.4	-39.1	63.8	74.8	121	0.917	1.0	0.0	86.9	-24.4	85.4	88.9	106	0.733	1.0	0.0
122	107	112	0.716	1.0	0.0	72.5	-40.3	62.3	74.2	122	0.903	1.0	0.0	85.8	-25.5	83.6	87.4	107	0.717	1.0	0.0
124	108	113	0.7	1.0	0.0	71.5	-41.4	60.8	73.6	124	0.888	1.0	0.0	84.7	-26.5	81.8	86.0	108	0.7	1.0	0.0
125	109	114	0.683	1.0	0.0	70.6	-42.5	59.3	73.0	125	0.873	1.0	0.0	83.7	-27.4	80.0	84.6	109	0.683	1.0	0.0
126	110	115	0.666	1.0	0.0	69.6	-43.5	57.8	72.4	126	0.862	1.0	0.0	82.8	-28.6	78.7	83.8	110	0.667	1.0	0.0
128	111	116	0.65	1.0	0.0	68.7	-44.5	56.3	71.8	128	0.851	1.0	0.0	82.0	-29.6	77.5	83.0	111	0.65	1.0	0.0
129	112	117	0.633	1.0	0.0	67.7	-45.5	54.7	71.2	129	0.84	1.0	0.0	81.2	-30.7	76.2	82.2	112	0.633	1.0	0.0
131	113	119	0.616	1.0	0.0	66.9	-46.5	53.5	70.9	131	0.829	1.0	0.0	80.3	-31.7	74.9	81.3	113	0.617	1.0	0.0
132	114	120	0.6	1.0	0.0	66.2	-47.6	52.5	70.9	132	0.818	1.0	0.0	79.5	-32.7	73.6	80.5	114	0.6	1.0	0.0
133	115	121	0.583	1.0	0.0	65.4	-48.7	51.5	70.9	133	0.807	1.0	0.0	78.7	-33.6	72.2	79.7	115	0.583	1.0	0.0
134	116	122	0.566	1.0	0.0	64.7	-49.8	50.5	70.9	134	0.796	1.0	0.0	77.9	-34.5	70.9	78.9	116	0.567	1.0	0.0
135	117	123	0.55	1.0	0.0	63.9	-50.8	49.4	70.9	135	0.785	1.0	0.0	77.0	-35.3	69.6	78.1	117	0.55	1.0	0.0
136	118	124	0.533	1.0	0.0	63.2	-51.9	48.4	71.0	136	0.774	1.0	0.0	76.2	-36.2	68.2	77.3	118	0.533	1.0	0.0
138	119	126	0.516	1.0	0.0	62.5	-52.9	47.3	71.0	138	0.763	1.0	0.0	75.4	-37.0	66.8	76.4	119	0.517	1.0	0.0
139	120	127	0.5	1.0	0.0	61.7	-53.9	46.2	71.0	139	0.752	1.0	0.0	74.5	-37.7	65.5	75.6	120	0.5	1.0	0.0

RE610-72 1-1031034-L0

LAB*la0, YN=0%, XYZnw=2.0, 2.1, 2.1, 85.9, 90.9, 95.1, LAB*nw=15.8, 0.0, 0.0, 96.4, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyln6*, D65, page 11/33

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; $rgb-LabCh$ *tables

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

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS
application for measurement of laser printer output, no separation rgb^* (RGB)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyrn6*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM _d : 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} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6; 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* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi													
139	120	127	0.5	1.0	0.0	61.7	-53.9	46.2	71.0	139	0.752	1.0	0.0	74.5	-37.7	65.5	75.6	120	0.5	1.0	0.0	0.663	1.0	0.0	69.5	-43.7	57.6	72.3	127	0.5	1.0	0.0
139	121	128	0.483	1.0	0.0	61.5	-54.2	45.9	71.1	139	0.74	1.0	0.0	73.8	-38.6	64.4	75.1	121	0.483	1.0	0.0	0.649	1.0	0.0	68.7	-44.5	56.2	71.8	128	0.483	1.0	0.0
140	122	129	0.466	1.0	0.0	61.4	-54.6	45.6	71.2	140	0.727	1.0	0.0	73.1	-39.5	63.3	74.7	122	0.467	1.0	0.0	0.635	1.0	0.0	67.9	-45.3	54.9	71.3	129	0.467	1.0	0.0
140	123	130	0.45	1.0	0.0	61.2	-54.9	45.4	71.2	140	0.715	1.0	0.0	72.4	-40.3	62.3	74.2	123	0.45	1.0	0.0	0.62	1.0	0.0	67.1	-46.2	53.7	70.9	130	0.45	1.0	0.0
140	124	131	0.433	1.0	0.0	61.0	-55.3	45.1	71.3	140	0.703	1.0	0.0	71.8	-41.2	61.2	73.8	124	0.433	1.0	0.0	0.604	1.0	0.0	66.4	-47.3	52.8	70.9	131	0.433	1.0	0.0
141	125	133	0.416	1.0	0.0	60.9	-55.6	44.8	71.4	141	0.691	1.0	0.0	71.1	-42.0	60.1	73.3	125	0.417	1.0	0.0	0.588	1.0	0.0	65.7	-48.4	51.8	71.0	133	0.417	1.0	0.0
141	126	134	0.4	1.0	0.0	60.7	-56.0	44.5	71.5	141	0.679	1.0	0.0	70.4	-42.7	59.0	72.9	126	0.4	1.0	0.0	0.571	1.0	0.0	64.9	-49.4	50.8	71.0	134	0.4	1.0	0.0
141	127	135	0.383	1.0	0.0	60.5	-56.3	44.2	71.6	141	0.667	1.0	0.0	69.7	-43.5	57.9	72.4	127	0.383	1.0	0.0	0.555	1.0	0.0	64.2	-50.5	49.8	71.0	135	0.383	1.0	0.0
142	128	136	0.366	1.0	0.0	60.3	-56.6	43.9	71.6	142	0.654	1.0	0.0	69.0	-44.2	56.7	72.0	128	0.367	1.0	0.0	0.539	1.0	0.0	63.5	-51.5	48.8	71.0	136	0.367	1.0	0.0
142	129	137	0.35	1.0	0.0	60.1	-57.0	43.5	71.7	142	0.642	1.0	0.0	68.3	-44.9	55.6	71.5	129	0.35	1.0	0.0	0.523	1.0	0.0	62.8	-52.5	47.7	71.0	137	0.35	1.0	0.0
143	130	138	0.333	1.0	0.0	59.8	-57.3	43.1	71.7	143	0.63	1.0	0.0	67.6	-45.6	54.5	71.1	130	0.333	1.0	0.0	0.507	1.0	0.0	62.1	-53.4	46.7	71.0	138	0.333	1.0	0.0
143	131	140	0.316	1.0	0.0	59.6	-57.7	42.7	71.8	143	0.617	1.0	0.0	67.0	-46.4	53.5	70.9	131	0.317	1.0	0.0	0.467	1.0	0.0	61.4	-54.5	45.7	71.2	140	0.317	1.0	0.0
143	132	141	0.3	1.0	0.0	59.3	-58.0	42.3	71.8	143	0.603	1.0	0.0	66.3	-47.4	52.7	70.9	132	0.3	1.0	0.0	0.412	1.0	0.0	60.9	-55.7	44.7	71.5	141	0.3	1.0	0.0
144	133	142	0.283	1.0	0.0	59.1	-58.3	41.9	71.8	144	0.589	1.0	0.0	65.7	-48.3	51.9	71.0	133	0.283	1.0	0.0	0.36	1.0	0.0	60.3	-56.7	43.7	71.7	142	0.283	1.0	0.0
144	134	143	0.266	1.0	0.0	58.9	-58.6	41.5	71.9	144	0.575	1.0	0.0	65.1	-49.2	51.0	71.0	134	0.267	1.0	0.0	0.312	1.0	0.0	59.6	-57.7	42.6	71.8	143	0.267	1.0	0.0
145	135	144	0.25	1.0	0.0	58.6	-59.0	41.1	71.9	145	0.561	1.0	0.0	64.5	-50.1	50.2	71.0	135	0.25	1.0	0.0	0.265	1.0	0.0	58.9	-58.6	41.5	71.9	144	0.25	1.0	0.0
145	136	145	0.233	1.0	0.0	58.6	-59.0	41.0	71.9	145	0.547	1.0	0.0	63.9	-51.0	49.3	71.0	136	0.233	1.0	0.0	0.0	1.0	0.07	58.2	-59.9	40.6	72.5	145	0.233	1.0	0.0
145	137	147	0.216	1.0	0.0	58.6	-59.1	41.0	72.0	145	0.533	1.0	0.0	63.2	-51.8	48.4	71.0	137	0.217	1.0	0.0	0.0	1.0	0.226	57.7	-60.5	39.2	72.2	147	0.217	1.0	0.0
145	138	148	0.2	1.0	0.0	58.5	-59.2	41.0	72.0	145	0.519	1.0	0.0	62.6	-52.7	47.5	71.0	138	0.2	1.0	0.0	0.0	1.0	0.343	57.3	-61.2	38.0	72.1	148	0.2	1.0	0.0
145	139	149	0.183	1.0	0.0	58.5	-59.3	40.9	72.0	145	0.505	1.0	0.0	62.0	-53.5	46.6	71.0	139	0.183	1.0	0.0	0.0	1.0	0.409	57.2	-61.3	36.3	71.3	149	0.183	1.0	0.0
145	140	150	0.166	1.0	0.0	58.5	-59.3	40.9	72.1	145	0.471	1.0	0.0	61.5	-54.4	45.8	71.2	140	0.167	1.0	0.0	0.0	1.0	0.455	57.2	-61.0	34.4	70.1	150	0.167	1.0	0.0
145	141	151	0.15	1.0	0.0	58.5	-59.4	40.9	72.1	145	0.424	1.0	0.0	61.0	-55.4	45.0	71.4	141	0.15	1.0	0.0	0.0	1.0	0.502	57.1	-60.6	32.6	68.9	151	0.15	1.0	0.0
145	142	152	0.133	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.377	1.0	0.0	60.5	-56.4	44.1	71.7	142	0.133	1.0	0.0	0.0	1.0	0.558	57.2	-60.1	30.8	67.6	152	0.133	1.0	0.0
145	143	154	0.116	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.336	1.0	0.0	59.9	-57.2	43.2	71.8	143	0.117	1.0	0.0	0.0	1.0	0.614	57.3	-59.5	29.0	66.2	154	0.117	1.0	0.0
145	144	155	0.1	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.296	1.0	0.0	59.3	-58.0	42.2	71.8	144	0.1	1.0	0.0	0.0	1.0	0.641	57.5	-58.9	27.2	64.9	155	0.1	1.0	0.0
145	145	156	0.083	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.255	1.0	0.0	58.7	-58.8	41.3	71.9	145	0.083	1.0	0.0	0.0	1.0	0.661	57.6	-58.3	25.5	63.7	156	0.083	1.0	0.0
145	146	157	0.066	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.0	1.0	0.087	58.1	-60.1	40.6	72.6	146	0.067	1.0	0.0	0.0	1.0	0.682	57.8	-57.6	23.8	62.4	157	0.067	1.0	0.0
145	147	158	0.049	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.0	1.0	0.217	57.7	-60.5	39.3	72.2	147	0.05	1.0	0.0	0.0	1.0	0.702	58.0	-56.9	22.2	61.2	158	0.05	1.0	0.0
145	148	159	0.033	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.0	1.0	0.32	57.4	-61.0	38.2	72.1	148	0.033	1.0	0.0	0.0	1.0	0.722	58.2	-56.2	20.6	59.9	159	0.033	1.0	0.0
145	149	161	0.016	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.0	1.0	0.392	57.2	-61.4	36.9	71.7	149	0.017	1.0	0.0	0.0	1.0	0.742	58.4	-55.4	19.0	58.6	161	0.017	1.0	0.0
145	150	162	0.0	1.0	0.0	58.5	-59.5	40.8	72.2	145	G _d 0.0	1.0	0.432	57.2	-61.1	35.3	70.7	150	G _s 0.0	1.0	0.0	0.0	1.0	0.755	58.5	-54.9	17.6	57.7	162	G _e 0.0	1.0	0.0
145	151	163	0.0	1.0	0.016	58.4	-59.6	40.8	72.2	145	0.0	1.0	0.473	57.2	-60.8	33.8	69.7	151	0.0	1.0	0.017	0.0	1.0	0.761	58.6	-54.6	16.6	57.1	163	0.0	1.0	0.017
145	152	164	0.0	1.0	0.033	58.3	-59.7	40.7	72.3	145	0.0	1.0	0.515	57.2	-60.5	32.2	68.6	152	0.0	1.0	0.033	0.0	1.0	0.767	58.6	-54.3	15.6	56.6	164	0.0	1.0	0.033
145	153	164	0.0	1.0	0.05	58.2	-59.9	40.7	72.4	145	0.0	1.0	0.563	57.2	-60.0	30.6	67.5	153	0.0	1.0	0.05	0.0	1.0	0.773	58.7	-54.0	14.5	56.0	164	0.0	1.0	0.05
145	154	165	0.0	1.0	0.066	58.2	-60.0	40.6	72.4	145	0.0	1.0	0.611	57.3	-59.5	29.1	66.3	154	0.0	1.0	0.067	0.0	1.0	0.779	58.8	-53.7	13.5	55.5	165	0.0	1.0	0.067
145	155	166	0.0	1.0	0.083	58.1	-60.1	40.5	72.5	145	0.0	1.0	0.637	57.4	-59.0	27.6	65.2	155	0.0	1.0	0.083	0.0	1.0	0.785	58.8	-53.3	12.5	54.9	166	0.0	1.0	0.083
146	156	167	0.0	1.0	0.1	58.0	-60.2	40.5	72.6	146	0.0	1.0	0.655	57.6	-58.5	26.1	64.1	156	0.0	1.0	0.1	0.0	1.0	0.791	58.9	-53.0	11.6	54.3	167	0.0	1.0	0.1
146	157	168	0.0	1.0	0.116	58.0	-60.3	40.4	72.6	146	0.0	1.0	0.672	57.7	-57.9	24.6	63.0	157	0.0	1.0	0.117	0.0	1.0	0.797	59.0	-52.6	10.6	53.8	168	0.0	1.0	0.117
146	158	169	0.0	1.0	0.133	57.9	-60.4	40.3	72.6	146	0.0	1.0	0.689	57.9	-57.3	23.2	62.0	158	0.0	1.0	0.133	0.0	1.0	0.803	59.1	-52.2	9.7	53.2	169	0.0	1.0	0.133
146	159	170	0.0	1.0	0.15	57.9	-60.4	40.1	72.5	146	0.0	1.0	0.706	58.0	-56.7	21.8	60.9	159	0.0	1.0	0.15	0.0	1.0	0.809	59.1	-51.8	8.7					

Data of Maximum color M in colorimetric system Offset standard print; separation cmycn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM _s : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Six hue angles of the device colours RYGBCM _d : $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours RYGBCM _e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dd361Mi}$ (x=LabCh)	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{ds361Mi}$	$rgb^*_{de361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{ds361Mi}$	$rgb^*_{de361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{ds361Mi}$	$rgb^*_{de361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{ds361Mi}$	$rgb^*_{de361Mi}$																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
147	165	175	0.0	1.0	0.25	57.6	-60.6	38.9	72.0	147	0.0	1.0	0.773	58.7	-54.0	14.5	56.0	165	0.0	1.0	0.25	0.0	1.0	0.845	59.6	-49.1	3.5	49.3	175	0.0	1.0	0.25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</

RE610-72

1-1031234-L0

LAB*la0, YN=0%, XYZnw=2.0, 2.1, 2.1, 85.9, 90.9, 95.1, LAB*nmw=15.8, 0.0, 0.0, 96.4, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmycn6*, D65, page 13/33

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; $rgb-LabCh$ *tables

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

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS
application for measurement of laser printer output, no separation rgb^* (RGB)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGBCM*_s; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

TUB registration: 20150701-RE61/RE61LOFA.TXT/.PS
application for measurement of laser printer output, no s

TUB material: code=rh4ta
n rgb* (RGB)

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; $rgb-LabCh^*$ tables

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

Data of Maximum color M in colorimetric system Offset standard print; separation cmyrn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_c$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; 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}	$LAB^*_{dd361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}																																
261	255	258	0.0	0.25	1.0	42.9	-7.6	-49.7	50.3	261	0.0	0.45	1.0	46.4	-13.3	-49.8	51.7	255	0.0	0.25	1.0	0.0	0.344	1.0	44.7	-10.4	-49.7	50.9	258	0.0	0.233	1.0	0.0	0.317	1.0	44.2	-9.6	-49.7	50.7	258	0.0	0.233	1.0		
261	256	258	0.0	0.233	1.0	42.7	-7.3	-49.6	50.1	261	0.0	0.412	1.0	45.9	-12.3	-49.7	51.4	256	0.0	0.233	1.0	0.0	0.317	1.0	44.2	-9.6	-49.7	50.7	258	0.0	0.233	1.0	0.0	0.317	1.0	44.2	-9.6	-49.7	50.7	258	0.0	0.233	1.0		
261	257	259	0.0	0.216	1.0	42.5	-6.9	-49.5	50.0	261	0.0	0.375	1.0	45.3	-11.4	-49.6	51.0	257	0.0	0.217	1.0	0.0	0.29	1.0	43.7	-8.8	-49.7	50.6	259	0.0	0.217	1.0	0.0	0.29	1.0	43.7	-8.8	-49.7	50.6	259	0.0	0.217	1.0		
262	258	260	0.0	0.2	1.0	42.4	-6.6	-49.4	49.9	262	0.0	0.345	1.0	44.8	-10.5	-49.7	50.9	258	0.0	0.2	1.0	0.0	0.263	1.0	43.2	-8.0	-49.7	50.4	260	0.0	0.2	1.0	0.0	0.263	1.0	43.2	-8.0	-49.7	50.4	260	0.0	0.2	1.0		
262	259	261	0.0	0.183	1.0	42.2	-6.2	-49.3	49.7	262	0.0	0.316	1.0	44.2	-9.6	-49.7	50.7	259	0.0	0.183	1.0	0.0	0.229	1.0	42.7	-7.1	-49.5	50.2	261	0.0	0.183	1.0	0.0	0.229	1.0	42.7	-7.1	-49.5	50.2	261	0.0	0.183	1.0		
263	260	262	0.0	0.166	1.0	42.0	-5.9	-49.2	49.6	263	0.0	0.286	1.0	43.7	-8.7	-49.7	50.5	260	0.0	0.167	1.0	0.0	0.19	1.0	42.3	-6.3	-49.3	49.8	262	0.0	0.167	1.0	0.0	0.19	1.0	42.3	-6.3	-49.3	49.8	262	0.0	0.167	1.0		
263	261	263	0.0	0.15	1.0	41.8	-5.5	-49.1	49.5	263	0.0	0.257	1.0	43.1	-7.8	-49.6	50.4	261	0.0	0.15	1.0	0.0	0.15	1.0	41.8	-5.5	-49.1	49.5	263	0.0	0.15	1.0	0.0	0.15	1.0	41.8	-5.5	-49.1	49.5	263	0.0	0.15	1.0		
263	262	264	0.0	0.133	1.0	41.6	-5.2	-49.0	49.3	263	0.0	0.216	1.0	42.6	-6.9	-49.5	50.0	262	0.0	0.133	1.0	0.0	0.133	1.0	41.4	-4.7	-49.0	49.3	264	0.0	0.133	1.0	0.0	0.133	1.0	41.4	-4.7	-49.0	49.3	264	0.0	0.133	1.0		
264	263	265	0.0	0.116	1.0	41.5	-5.0	-49.0	49.2	264	0.0	0.173	1.0	42.1	-6.0	-49.2	49.7	263	0.0	0.117	1.0	0.0	0.117	1.0	40.8	-3.9	-49.1	49.3	265	0.0	0.117	1.0	0.0	0.117	1.0	40.8	-3.9	-49.1	49.3	265	0.0	0.117	1.0		
264	264	266	0.0	0.1	1.0	41.5	-5.0	-49.0	49.2	264	0.0	0.129	1.0	41.6	-5.1	-49.0	49.3	264	0.0	0.1	1.0	0.0	0.1	1.0	40.3	-3.1	-49.3	49.5	266	0.0	0.1	1.0	0.0	0.1	1.0	40.3	-3.1	-49.3	49.5	266	0.0	0.1	1.0		
264	265	267	0.0	0.083	1.0	41.5	-5.0	-49.0	49.2	264	0.111	0.0	1.0	41.0	-4.2	-49.0	49.3	265	0.0	0.083	1.0	0.0	0.083	1.0	39.8	-2.3	-49.5	49.6	267	0.0	0.083	1.0	0.0	0.083	1.0	39.8	-2.3	-49.5	49.6	267	0.0	0.083	1.0		
264	266	268	0.0	0.066	1.0	41.5	-5.0	-49.0	49.2	264	0.24	0.0	1.0	40.4	-3.3	-49.2	49.4	266	0.0	0.067	1.0	0.0	0.067	1.0	39.4	-1.6	-49.7	49.8	268	0.0	0.067	1.0	0.0	0.067	1.0	39.4	-1.6	-49.7	49.8	268	0.0	0.067	1.0		
264	267	269	0.0	0.049	1.0	41.5	-5.0	-49.0	49.2	264	0.279	0.0	1.0	39.9	-2.5	-49.5	49.6	267	0.0	0.05	1.0	0.0	0.05	1.0	38.9	-0.8	-49.9	50.0	269	0.0	0.05	1.0	0.0	0.05	1.0	38.9	-0.8	-49.9	50.0	269	0.0	0.05	1.0		
264	268	269	0.0	0.033	1.0	41.5	-5.0	-49.0	49.2	264	0.31	0.0	1.0	39.4	-1.6	-49.7	49.8	268	0.0	0.033	1.0	0.0	0.033	1.0	38.5	0.0	-50.0	50.1	269	0.0	0.033	1.0	0.0	0.033	1.0	38.5	0.0	-50.0	50.1	269	0.0	0.033	1.0		
264	269	270	0.0	0.016	1.0	41.5	-5.0	-49.0	49.2	264	0.342	0.0	1.0	38.9	-0.8	-49.9	50.0	269	0.0	0.017	1.0	0.0	0.017	1.0	38.5	0.0	-49.9	50.0	270	0.0	0.017	1.0	0.0	0.017	1.0	38.5	0.0	-49.9	50.0	270	0.0	0.017	1.0		
264	270	271	0.0	0.0	1.0	41.5	-5.0	-49.0	49.2	264	0.373	0.0	1.0	38.4	0.0	-50.1	50.2	270	0.0	0.0	1.0	0.0	0.0	1.0	38.1	1.5	-49.8	49.9	271	0.0	0.0	1.0	0.0	0.0	1.0	38.1	1.5	-49.8	49.9	271	0.0	0.0	1.0		
264	271	272	0.016	0.0	1.0	41.4	-4.9	-49.0	49.2	264	0.387	0.0	1.0	38.2	0.9	-49.9	50.0	271	0.017	0.0	1.0	0.0	0.017	0.0	1.0	37.9	2.3	-49.6	49.7	272	0.017	0.0	1.0	0.0	0.017	0.0	1.0	37.9	2.3	-49.6	49.7	272	0.017	0.0	1.0
264	272	273	0.033	0.0	1.0	41.4	-4.8	-49.0	49.2	264	0.4	0.0	1.0	38.0	1.7	-49.7	49.8	272	0.033	0.0	1.0	0.0	0.033	0.0	1.0	37.7	3.1	-49.4	49.6	273	0.033	0.0	1.0	0.0	0.033	0.0	1.0	37.7	3.1	-49.4	49.6	273	0.033	0.0	1.0
264	273	274	0.05	0.0	1.0	41.3	-4.7	-49.0	49.2	264	0.414	0.0	1.0	37.8	2.6	-49.5	49.7	273	0.05	0.0	1.0	0.0	0.05	0.0	1.0	37.5	3.9	-49.2	49.4	274	0.05	0.0	1.0	0.0	0.05	0.0	1.0	37.5	3.9	-49.2	49.4	274	0.05	0.0	1.0
264	274	275	0.066	0.0	1.0	41.2	-4.6	-49.0	49.2	264	0.427	0.0	1.0	37.6	3.5	-49.3	49.5	274	0.067	0.0	1.0	0.0	0.067	0.0	1.0	37.3	4.7	-48.9	49.3	275	0.067	0.0	1.0	0.0	0.067	0.0	1.0	37.3	4.7	-48.9	49.3	275	0.067	0.0	1.0
264	275	276	0.083	0.0	1.0	41.1	-4.4	-49.0	49.2	264	0.44	0.0	1.0	37.4	4.3	-49.1	49.4	275	0.083	0.0	1.0	0.0	0.083	0.0	1.0	37.1	5.5	-48.7	49.1	276	0.083	0.0	1.0	0.0	0.083	0.0	1.0	37.1	5.5	-48.7	49.1	276	0.083	0.0	1.0
264	276	277	0.1	0.0	1.0	41.0	-4.3	-49.0	49.2	264	0.453	0.0	1.0	37.2	5.1	-48.8	49.2	276	0.1	0.0	1.0	0.0	0.1	0.0	1.0	36.9	6.3	-48.4	49.0	277	0.1	0.0	1.0	0.0	0.1	0.0	1.0	36.9	6.3	-48.4	49.0	277	0.1	0.0	1.0
265	277	278	0.116	0.0	1.0	40.9	-4.2	-49.0	49.2	265	0.466	0.0	1.0	37.0	6.0	-48.6	49.0	277	0.117	0.0	1.0	0.0	0.117	0.0	1.0	36.7	7.1	-48.2	48.8	278	0.117	0.0	1.0	0.0	0.117	0.0	1.0	36.7	7.1	-48.2	48.8	278	0.117	0.0	1.0
265	278	279	0.133	0.0	1.0	40.9	-4.1	-49.1	49.2	265	0.479	0.0	1.0	36.8	6.8	-48.3	48.9	278	0.133	0.0	1.0	0.0	0.133	0.0	1.0	36.5	7.9	-47.9	48.6	279	0.133	0.0	1.0	0.0	0.133	0.0	1.0	36.5	7.9	-47.9	48.6	279	0.133	0.0	1.0
265	279	280	0.15	0.0	1.0	40.8	-4.0	-49.1	49.3	265	0.492	0.0	1.0	36.6	7.6	-48.0	48.7	279	0.15	0.0	1.0	0.0	0.15	0.0	1.0	36.5	8.6	-47.6	48.5	280	0.15	0.0	1.0	0.0	0.15	0.0	1.0	36.5	8.6	-47.6	48.5	280	0.15	0.0	1.0
265	280	281	0.166	0.0	1.0	40.7	-3.9	-49.1	49.3	265	0.503	0.0	1.0	36.5	8.4	-47.7	48.5	280	0.167	0.0	1.0	0.0	0.167	0.0	1.0	36.5	9.4	-47.4	48.4	281	0.167	0.0	1.0	0.0	0.167	0.0	1.0	36.5	9.4	-47.4	48.4	281	0.167	0.0	1.0
265	281	282	0.183	0.0	1.0	40.6	-3.8	-49.2	49.3	265	0.511	0.0	1.0	36.5	9.2	-47.4	48.4	281	0.183	0.0	1.0	0.0	0.183	0.0	1.0	36.6	10.2	-47.1	48.3	282	0.183	0.0	1.0	0.0	0.183	0.0	1.0	36.6	10.2	-47.1	48.3	282	0.183	0.0	1.0
265	282	283	0.2	0.0	1.0	40.5	-3.7	-49.2	49.3	265	0.519	0.0	1.0	36.6	10.0	-47.2	48.3	282	0.2	0.0	1.0	0.0	0.2	0.0	1.0	36.7	10.9	-46.8	48.2	283	0.2	0.0	1.0	0.0	0.2	0.0	1.0	36.7	10.9	-46.8	48.2	283	0.2	0.0	1.0
265	283	284	0.216	0.0	1.0	40.5	-3.5	-49.2	49.4	265	0.527	0.0	1.0	36.6	10.8	-46.9	48.2	283	0.217	0.0	1.0	0.0	0.217	0.0	1.0	36.7	11.7	-46.5	48.1	284	0.217	0.0	1.0	0.0	0.217	0.0	1.0	36.7	11.7	-46.5	48.1	284	0.217	0.0	1.0
265	284	285	0.233	0.0	1.0	40.4	-3.4	-49.3	49.4	265	0.535	0.0	1.0	36.7	11.6	-46.6	48.1	284	0.233	0.0	1.0	0.0	0.233	0.0	1.0	36.8	12.4	-46.2	48.0	285	0.233	0.0	1.0	0.0	0.233	0.0	1.0	36.8	12.4	-46.2	48.0	285	0.233	0.0	1.0
266	285	286	0.25	0.0	1.0	40.3	-3.3	-49.3	49.4	266	0.542	0.0	1.0	36.8	12.4	-46.2																													

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS TUB materia
application for measurement of laser printer output, no separation rgb* (RGB)

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; $rgb-LabCh^*$ tables

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

Output: Offset standard print; separation cmyn6*, D65, page 16/30

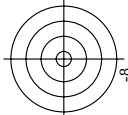
Data of Maximum color M in colorimetric system Offset standard print; separation cmycn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM _i : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;										Six hue angles of the device colours RYGBM _d : $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; 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}	LAB^*_{d361Mi}	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}$	$LAB^*_{ds361Mi}$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}					
358	345	342	1.0	0.0	0.75	48.3	72.7	-1.8	72.7	358	0.957	0.0	1.0	48.7	63.6	-16.9	65.8	345	1.0	0.0	0.75	48.3	72.7	-1.8	72.7	358
359	346	343	1.0	0.0	0.733	48.3	72.4	-0.8	72.4	359	0.964	0.0	1.0	48.9	64.7	-16.0	66.7	346	1.0	0.0	0.733	48.3	72.4	-0.8	72.4	359
360	347	344	1.0	0.0	0.716	48.3	72.1	0.1	72.1	360	0.97	0.0	1.0	49.1	65.9	-15.1	67.7	347	1.0	0.0	0.717	48.3	72.1	0.1	72.1	360
360	348	345	1.0	0.0	0.7	48.3	71.8	1.1	71.8	360	0.977	0.0	1.0	49.4	67.1	-14.2	68.6	348	1.0	0.0	0.7	48.3	71.8	1.1	71.8	360
361	349	346	1.0	0.0	0.683	48.3	71.5	2.1	71.5	361	0.983	0.0	1.0	49.6	68.2	-13.2	69.5	349	1.0	0.0	0.683	48.3	71.5	2.1	71.5	361
362	350	347	1.0	0.0	0.666	48.3	71.1	3.1	71.2	362	0.99	0.0	1.0	49.8	69.4	-12.1	70.4	350	1.0	0.0	0.667	48.3	71.1	3.1	71.2	362
363	351	348	1.0	0.0	0.65	48.3	70.8	4.1	70.9	363	0.996	0.0	1.0	50.0	70.5	-11.1	71.4	351	1.0	0.0	0.65	48.3	70.8	4.1	70.9	363
364	352	349	1.0	0.0	0.633	48.3	70.4	5.1	70.6	364	1.0	0.0	0.979	49.9	71.6	-10.0	72.3	352	1.0	0.0	0.633	48.3	70.4	5.1	70.6	364
364	353	350	1.0	0.0	0.616	48.3	70.1	6.0	70.4	364	1.0	0.0	0.928	49.3	72.8	-8.8	73.4	353	1.0	0.0	0.617	48.3	70.1	6.0	70.4	364
365	354	351	1.0	0.0	0.6	48.3	69.9	6.8	70.3	365	1.0	0.0	0.878	48.8	74.0	-7.7	74.4	354	1.0	0.0	0.6	48.3	69.9	6.8	70.3	365
366	355	352	1.0	0.0	0.583	48.3	69.7	7.7	70.1	366	1.0	0.0	0.849	48.6	73.8	-6.4	74.1	355	1.0	0.0	0.583	48.3	69.7	7.7	70.1	366
367	356	353	1.0	0.0	0.566	48.3	69.5	8.5	70.0	367	1.0	0.0	0.821	48.6	73.6	-5.0	73.7	356	1.0	0.0	0.567	48.3	69.5	8.5	70.0	367
367	357	354	1.0	0.0	0.55	48.3	69.2	9.4	69.9	367	1.0	0.0	0.793	48.5	73.2	-3.7	73.3	357	1.0	0.0	0.55	48.3	69.2	9.4	69.9	367
368	358	355	1.0	0.0	0.533	48.3	69.0	10.2	69.7	368	1.0	0.0	0.765	48.4	72.9	-2.4	73.0	358	1.0	0.0	0.533	48.3	69.0	10.2	69.7	368
369	359	356	1.0	0.0	0.516	48.3	68.7	11.0	69.6	369	1.0	0.0	0.741	48.3	72.6	-1.2	72.6	359	1.0	0.0	0.517	48.3	68.7	11.0	69.6	369
369	360	352	1.0	0.0	0.5	48.3	68.4	11.9	69.5	369	1.0	0.0	0.72	48.3	72.2	0.0	72.2	360	1.0	0.0	0.5	48.3	68.4	11.9	69.5	369
370	361	353	1.0	0.0	0.483	48.3	68.1	13.0	69.4	370	1.0	0.0	0.699	48.3	71.8	1.3	71.8	361	1.0	0.0	0.483	48.3	68.1	13.0	69.4	370
371	362	354	1.0	0.0	0.466	48.3	67.8	14.2	69.3	371	1.0	0.0	0.678	48.4	71.4	2.5	71.5	362	1.0	0.0	0.467	48.3	67.8	14.2	69.3	371
372	363	355	1.0	0.0	0.45	48.4	67.4	15.3	69.2	372	1.0	0.0	0.657	48.4	71.0	3.7	71.1	363	1.0	0.0	0.45	48.4	67.4	15.3	69.2	372
373	364	356	1.0	0.0	0.433	48.4	67.1	16.5	69.1	373	1.0	0.0	0.636	48.4	70.6	4.9	70.7	364	1.0	0.0	0.433	48.4	67.1	16.5	69.1	373
374	365	357	1.0	0.0	0.416	48.4	66.7	17.6	69.0	374	1.0	0.0	0.614	48.4	70.2	6.1	70.4	365	1.0	0.0	0.417	48.4	66.7	17.6	69.0	374
375	366	358	1.0	0.0	0.4	48.4	66.3	18.8	68.9	375	1.0	0.0	0.591	48.4	69.9	7.3	70.2	366	1.0	0.0	0.4	48.4	66.3	18.8	68.9	375
376	367	359	1.0	0.0	0.383	48.4	65.9	19.9	68.8	376	1.0	0.0	0.567	48.4	69.5	8.5	70.1	367	1.0	0.0	0.383	48.4	65.9	19.9	68.8	376
377	368	360	1.0	0.0	0.366	48.4	65.6	21.1	68.9	377	1.0	0.0	0.544	48.4	69.2	9.7	69.9	368	1.0	0.0	0.367	48.4	65.6	21.1	68.9	377
378	369	362	1.0	0.0	0.35	48.4	65.5	22.3	69.2	378	1.0	0.0	0.52	48.4	68.8	10.9	69.7	369	1.0	0.0	0.35	48.4	65.5	22.3	69.2	378
379	370	363	1.0	0.0	0.333	48.4	65.3	23.5	69.4	379	1.0	0.0	0.498	48.4	68.4	12.1	69.5	370	1.0	0.0	0.333	48.4	65.3	23.5	69.4	379
380	371	364	1.0	0.0	0.316	48.3	65.1	24.8	69.7	380	1.0	0.0	0.481	48.4	68.1	13.2	69.4	371	1.0	0.0	0.317	48.4	65.1	24.8	69.7	380
381	372	365	1.0	0.0	0.3	48.3	65.0	26.0	70.0	381	1.0	0.0	0.464	48.4	67.8	14.4	69.3	372	1.0	0.0	0.3	48.3	65.0	26.0	70.0	381
382	373	366	1.0	0.0	0.283	48.3	64.7	27.3	70.3	382	1.0	0.0	0.448	48.4	67.4	15.6	69.2	373	1.0	0.0	0.283	48.3	64.7	27.3	70.3	382
383	374	367	1.0	0.0	0.266	48.3	64.5	28.5	70.5	383	1.0	0.0	0.431	48.4	67.1	16.7	69.1	374	1.0	0.0	0.267	48.3	64.5	28.5	70.5	383
384	375	368	1.0	0.0	0.25	48.3	64.2	29.8	70.8	384	1.0	0.0	0.414	48.4	66.7	17.9	69.0	375	1.0	0.0	0.25	48.3	64.2	29.8	70.8	384
385	376	369	1.0	0.0	0.233	48.3	64.2	30.8	71.2	385	1.0	0.0	0.397	48.5	66.3	19.0	68.9	376	1.0	0.0	0.233	48.3	64.2	30.8	71.2	385
386	377	370	1.0	0.0	0.216	48.3	64.1	31.9	71.6	386	1.0	0.0	0.38	48.5	65.8	20.1	68.8	377	1.0	0.0	0.217	48.3	64.1	31.9	71.6	386
387	378	372	1.0	0.0	0.2	48.3	64.0	33.0	72.0	387	1.0	0.0	0.364	48.5	65.6	21.3	69.0	378	1.0	0.0	0.2	48.3	64.0	33.0	72.0	387
388	379	373	1.0	0.0	0.183	48.3	63.9	34.0	72.4	388	1.0	0.0	0.347	48.4	65.5	22.6	69.3	379	1.0	0.0	0.183	48.3	63.9	34.0	72.4	388
388	380	374	1.0	0.0	0.166	48.4	63.8	35.1	72.8	388	1.0	0.0	0.331	48.4	65.3	23.8	69.5	380	1.0	0.0	0.167	48.4	63.8	35.1	72.8	388
389	381	375	1.0	0.0	0.15	48.4	63.6	36.2	73.2	389	1.0	0.0	0.314	48.4	65.2	25.0	69.8	381	1.0	0.0	0.15	48.4	63.6	36.2	73.2	389
390	382	376	1.0	0.0	0.133	48.4	63.4	37.3	73.6	390	1.0	0.0	0.298	48.4	65.0	26.3	70.1	382	1.0	0.0	0.133	48.4	63.4	37.3	73.6	390
391	383	377	1.0	0.0	0.116	48.4	63.4	38.1	74.0	391	1.0	0.0	0.281	48.3	64.8	27.5	70.4	383	1.0	0.0	0.117	48.4	63.4	38.1	74.0	391
391	384	378	1.0	0.0	0.1	48.4	63.4	38.7	74.3	391	1.0	0.0	0.264	48.3	64.5	28.7	70.6	384	1.0	0.0	0.1	48.4	63.4	38.7	74.3	391
391	385	379	1.0	0.0	0.083	48.3	63.4	39.4	74.6	391	1.0	0.0	0.247	48.3	64.3	30.0	70.9	385	1.0	0.0	0.083	48.3	63.4	39.4	74.6	391
392	386	381	1.0	0.0	0.066	48.3	63.4	40.0	74.9	392	1.0	0.0	0.226	48.3	64.2	31.3	71.4	386	1.0	0.0	0.067	48.3	63.4	40.0	74.9	392
392	387	382	1.0	0.0	0.049	48.2	63.4	40.6	75.3	392	1.0	0.0	0.206	48.4	64.1	32.7	71.9	387	1.0	0.0	0.05	48.3	63.4	40.6	75.3	392
393	388	383	1.0	0.0	0.033	48.2	63.3	41.2	75.6	393	1.0	0.0	0.185	48.4	64.0	34.0	72.4	388	1.0	0.0	0.033	48.2	63.3	41.2	75.6	393
393	389	384	1.0	0.0	0.016	48.1	63.3	41.8	75.9	393	1.0	0.0	0.164	48.4	63.8	35.4	72.9	389	1.0	0.0	0.017	48.1	63.3	41.8	75.9	393
393	390	385	1.0	0.0	0.0	48.1	63.3	42.5	76.2	393	1.0	0.0	0.143	48.5	63.6	36.7	73.4	390	1.0	0.0	0.0	48.1	63.3	42.5	76.2	393

RE610-72 1-1031634-L0 LAB*la0, YN=0%, XYZnw=2.0, 2.1, 2.1, 85.9, 90.9, 95.1, LAB*nw=15.8, 0.0, 0.0, 96.4, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmycn6*, D65, page 17/33

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; rgb^*_{dd} - $LabCh^*$ -tables

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



TUB material: code=rha4ta
on rgb* (RGB)

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

REF610-7N Page 21/33-F

TUB material: code=rha4ta
n rgb* (RGB)

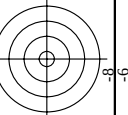
see similar files: <http://130.149.60.45/~farbmatrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/RE61/RE61L0FA.TXT /PS; 3D-linearization
F: 3D-linearization RE61/RE61LE30FA.DAT in file (F), page 22/33

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

TU8-test chart RE61; 1080 standard colours, $c_f=1$ colors and differences. ΔE^*

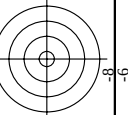
[illegible]



TUB material: code=rha4ta
n rgb* (RGB)

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

DATE	DESCRIPTION	AMOUNT	BALANCE
1/1/20	Opening Balance		100.00
1/15/20	Payment Received	50.00	150.00
2/1/20	Payment Received	75.00	225.00
2/15/20	Payment Received	25.00	250.00
3/1/20	Payment Received	100.00	350.00
3/15/20	Payment Received	50.00	400.00
4/1/20	Payment Received	75.00	475.00
4/15/20	Payment Received	25.00	500.00
5/1/20	Payment Received	100.00	600.00
5/15/20	Payment Received	50.00	650.00
6/1/20	Payment Received	75.00	725.00
6/15/20	Payment Received	25.00	750.00
7/1/20	Payment Received	100.00	850.00
7/15/20	Payment Received	50.00	900.00
8/1/20	Payment Received	75.00	975.00
8/15/20	Payment Received	25.00	1000.00
9/1/20	Payment Received	100.00	1100.00
9/15/20	Payment Received	50.00	1150.00
10/1/20	Payment Received	75.00	1225.00
10/15/20	Payment Received	25.00	1250.00
11/1/20	Payment Received	100.00	1350.00
11/15/20	Payment Received	50.00	1400.00
12/1/20	Payment Received	75.00	1475.00
12/15/20	Payment Received	25.00	1500.00
1/1/21	Opening Balance		1500.00



TUB material: code=rha4ta
on rgb* (RGB)

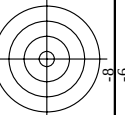
TUB-test chart RE61; 1080 standard colours, $cf=1$
input: $rgb/cmyk -> rgb_{add}$
output: 3D-linearization to rgb^*_{add}

1-1022524-F0

01-466760T-1

JCC07 28/07/2007

[illegible]



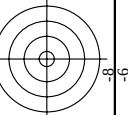
TUB material: code=rha4ta
n rgb* (RGB)

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

Mean color difference of this page: 0.507 0.500 0.411 0.7

input: `rgb/cmyk` $\rightarrow$ `rgbdd`.

delta	207.4	0.3
		14.6

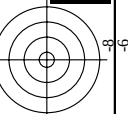


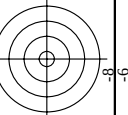
TUB material: code=rha4ta
on rgb* (RGB)

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

n	HIC*Ftd	rgb_Ftd	icr_Ftd	hss_Ftd	rgb_Ftd	LabCH*Ftd	LabCH*Ftd	rgb_Ftd	DE*Ftd	hss_Ftd	rgb_Ftd	LabCH*Med	0.0
729	NW_1000d	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
730	G50B_100_012d	0.875	1.0	0.125	0.937	210	360	1.0	0.0	0.0	0.0	0.0	0.0
731	G50B_100_025d	0.875	1.0	0.125	0.937	210	360	1.0	0.0	0.0	0.0	0.0	0.0
732	G50B_100_037d	0.875	1.0	0.125	0.937	210	360	1.0	0.0	0.0	0.0	0.0	0.0
733	G50B_100_050d	0.875	1.0	0.125	0.937	210	360	1.0	0.0	0.0	0.0	0.0	0.0
734	G50B_100_062d	0.875	1.0	0.125	0.937	210	360	1.0	0.0	0.0	0.0	0.0	0.0
735	G50B_100_075d	0.875	1.0	0.125	0.937	210	360	1.0	0.0	0.0	0.0	0.0	0.0
736	G50B_100_087d	0.875	1.0	0.125	0.937	210	360	1.0	0.0	0.0	0.0	0.0	0.0
737	G50B_100_100d	0.875	1.0	0.125	0.937	210	360	1.0	0.0	0.0	0.0	0.0	0.0
738	ROOY_100_012d	0.875	1.0	0.125	0.937	390	1.0	0.0	0.0	0.0	0.0	0.0	0.0
739	G50B_067d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
740	G50B_067_012d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
741	G50B_067_025d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
742	G50B_067_037d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
743	G50B_067_050d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
744	G50B_067_062d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
745	G50B_067_075d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
746	G50B_067_087d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
747	G50B_067_100d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
748	ROOY_067_012d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
749	ROOY_067_025d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
750	G50B_075_012d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
751	G50B_075_025d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
752	G50B_075_037d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
753	G50B_075_050d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
754	G50B_075_062d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
755	G50B_075_075d	0.875	0.875	0.875	0.875	360	0.875	0.875	0.875	0.875	0.875	0.875	0.875
756	ROOY_100_037d	0.875	0.875	0.875	0.875	390	1.0	0.0	0.0	0.0	0.0	0.0	0.0
757	ROOY_087_025d	0.875	0.875										

see similar files: <http://130.149.60.45/~farbmatrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



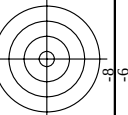


TUB material: code=rha4ta
on rgb* (RGB)

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

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

A target diagram for the '5-8' range. It consists of a central bullseye and three concentric circles. A horizontal line passes through the center. The target is labeled '5-8' at the top.

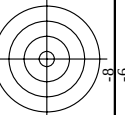


TUB material: code=rha4ta
on rgb* (RGB)

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

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

see similar files: <http://130.149.60.45/~farbmatrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



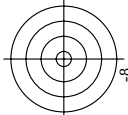
TUB material: code=rha4ta
on rgb* (RGB)

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

1-1033134-F0 RE610-7N, Page 32/33-F

1-1033134-F0





TUB material: code=rha4ta
n rgb* (RGB)

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

TUB-test chart RE61; 1080 standard colours, $cf=1$ colors and differences ΔE^*

RE610-7N, Page 33/33-F

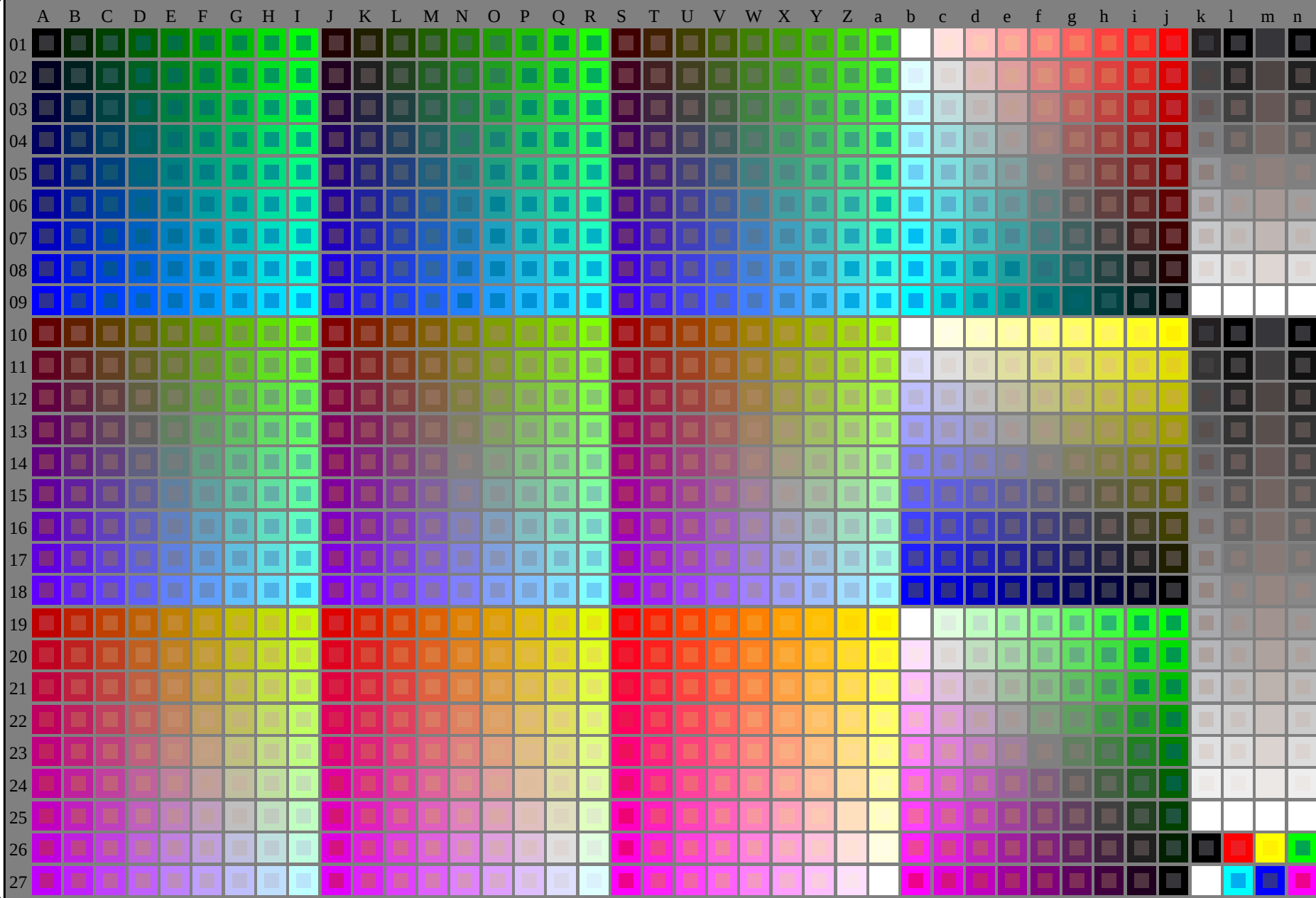
-1033234-F0

n	HIC ^o -Fold	rgb ^o -Fold	icr ^o -Fold	hsa ^o -Fold	rgb ^o -Fold	LabCh ^o -Fold	LabCh ^o - ^o Fold	LabCh ^o - ^o Mad	rgb ^o - ^o Mad	DE ^o -Fold	hsa ^o -Mad	LabCh ^o - ^o Mad	rgb ^o - ^o Mad	delta												
1053	NW_0864ad	0.866	0.866	360	0.866	0.866	85.5	0.0	0.0	0.533	0.849	0.856	85.0	0.2	0.2	17.3	0.5	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	
1054	NW_0934ad	0.933	0.933	0.933	0.933	0.933	90.9	0.0	0.0	0.929	0.936	0.957	90.8	0.2	-0.3	0.4	310.7	0.4	360	1.0	1.0	96.3	0.0	0.0	0.0	
1055	NW_1004ad	1.0	1.0	1.0	1.0	1.0	96.3	0.0	0.0	1.0	1.0	1.0	96.2	0.0	-0.3	0.3	273.6	0.3	360	1.0	1.0	96.3	0.0	0.0	0.0	
1056	NW_1004ad	0.0	0.0	0.0	0.0	0.0	15.7	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.2	0.2	86.1	5.2	360	1.0	1.0	96.3	0.0	0.0	0.0	
1057	NW_0064ad	0.066	0.066	0.066	360	0.066	0.066	0.0	0.0	0.176	0.149	0.144	10.7	0.0	-0.3	0.3	87.3	10.4	360	1.0	1.0	96.3	0.0	0.0	0.0	
1058	NW_0134ad	0.133	0.133	0.133	360	0.133	0.133	0.0	0.0	0.269	0.259	0.252	16.0	0.0	0.1	0.1	284.4	10.4	360	1.0	1.0	96.3	0.0	0.0	0.0	
1059	NW_0204ad	0.2	0.2	0.2	360	0.2	0.2	0.0	0.0	0.305	0.282	0.272	20.9	0.0	-0.6	0.6	266.8	11.0	360	1.0	1.0	96.3	0.0	0.0	0.0	
1060	NW_0264ad	0.266	0.266	0.266	360	0.266	0.266	37.2	0.0	0.352	0.331	0.321	25.3	0.0	-0.6	0.6	268.0	11.8	360	1.0	1.0	96.3	0.0	0.0	0.0	
1061	NW_0334ad	0.333	0.333	0.333	360	0.333	0.333	42.6	0.0	0.413	0.396	0.389	31.1	0.0	-0.8	0.8	272.0	11.4	360	1.0	1.0	96.3	0.0	0.0	0.0	
1062	NW_0404ad	0.4	0.4	0.4	360	0.4	0.4	48.0	0.0	0.454	0.429	0.422	37.3	0.0	-0.7	0.7	274.3	10.7	360	1.0	1.0	96.3	0.0	0.0	0.0	
1063	NW_0464ad	0.466	0.466	0.466	360	0.466	0.466	53.3	0.0	0.522	0.512	0.504	44.0	0.1	-0.8	0.8	283.5	9.3	360	1.0	1.0	96.3	0.0	0.0	0.0	
1064	NW_0534ad	0.533	0.533	0.533	360	0.533	0.533	58.7	0.0	0.562	0.539	0.534	51.4	0.1	-0.6	0.6	279.0	7.3	360	1.0	1.0	96.3	0.0	0.0	0.0	
1065	NW_0604ad	0.6	0.6	0.6	360	0.6	0.6	64.1	0.0	0.631	0.627	0.621	59.5	0.1	-0.7	0.7	280.4	4.6	360	1.0	1.0	96.3	0.0	0.0	0.0	
1066	NW_0664ad	0.666	0.666	0.666	360	0.666	0.666	69.4	0.0	0.677	0.667	0.662	66.7	0.1	-0.7	0.7	282.8	2.8	360	1.0	1.0	96.3	0.0	0.0	0.0	
1067	NW_0734ad	0.734	0.734	0.734	360	0.734	0.734	74.9	0.0	0.761	0.756	0.756	72.7	0.1	-0.4	0.4	294.4	2.2	360	1.0	1.0	96.3	0.0	0.0	0.0	
1068	NW_0804ad	0.8	0.8	0.8	360	0.8	0.8	80.2	0.0	0.799	0.783	0.792	78.6	0.2	-0.2	0.3	318.8	1.6	360	1.0	1.0	96.3	0.0	0.0	0.0	
1069	NW_0864ad	0.866	0.866	0.866	360	0.866	0.866	85.5	0.0	0.853	0.849	0.856	84.6	0.2	0.0	0.2	354.4	0.9	360	1.0	1.0	96.3	0.0	0.0	0.0	
1070	NW_0934ad	0.933	0.933	0.933	360	0.933	0.933	90.9	0.0	0.929	0.936	0.957	90.8	0.3	-0.1	0.3	332.3	0.3	360	1.0	1.0	96.3	0.0	0.0	0.0	
1071	NW_1004ad	1.0	1.0	1.0	360	1.0	1.0	96.3	0.0	1.0	1.0	1.0	96.0	0.2	-0.3	0.3	309.0	0.4	360	1.0	1.0	96.3	0.0	0.0	0.0	
1072	NW_1004ad	0.0	0.0	0.0	360	0.0	0.0	15.7	0.0	0.0	0.0	0.0	12.2	0.0	0.1	0.1	91.6	3.5	360	1.0	1.0	96.3	0.0	0.0	0.0	
1073	NW_1004ad	0.0	0.0	0.0	360	1.0	1.0	96.3	0.0	1.0	1.0	1.0	96.3	0.0	-0.1	0.1	282.2	3.1	360	1.0	1.0	96.3	0.0	0.0	0.0	
1074	ROY_100_100ad	1.0	1.0	1.0	1.0	1.0	96.3	42.5	76.2	33.8	1.0	0.0	47.6	63.7	-44.8	77.9	35.1	2.4	389	1.0	1.0	96.3	42.5	76.2	33.8	
1075	G50R_100_100ad	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	48.1	63.3	42.5	76.2	33.8	-40.5	-20.2	47.1	205.4	2.5	210	0.0	1.0	97.0	-21.8	46.1	208.3
1076	Y00C_100_100ad	1.0	1.0	1.0	1.0	1.0	92.8	-17.5	95.2	96.8	100.3	95.2	96.8	100.3	1.0	1.0	100.1	1.8	89	1.0	1.0	92.8	-17.5	95.2	96.8	100.4
1077	B00R_100_100ad	0.0	0.0	0.0	0.5	90	1.0	0.0	0.0	92.6	-17.4	97.1	98.6	100.1	0.0	0.0	262.3	48.6	262.3	3.3	270	0.0	0.0	-48.0	49.2	264.0
1078	G00R_100_100ad	0.0	1.0	1.0	0.5	170	0.0	0.0	1.0	41.5	-49.0	-49.0	49.2	264.0	0.0	0.0	144.4	2.6	144.4	2.6	140	0.0	0.0	58.5	-59.5	40.8
1079	B50R_100_100ad	1.0	0.0	1.0	0.5	330	1.0	0.0	0.0	58.5	-59.5	-59.5	58.5	144.4	0.0	0.0	351.3	4.4	330	1.0	0.0	1.0	50.1	-10.5	71.1	351.5
															Mean color difference of this page:											
															-10.9											
															72.5											
															73.3											

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS
application for measurement of laser printer output

TUB material: code=rha4ta



RE610-7N_RGB 1-113034-L0

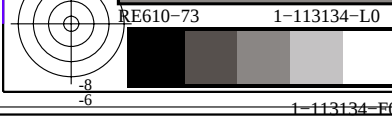
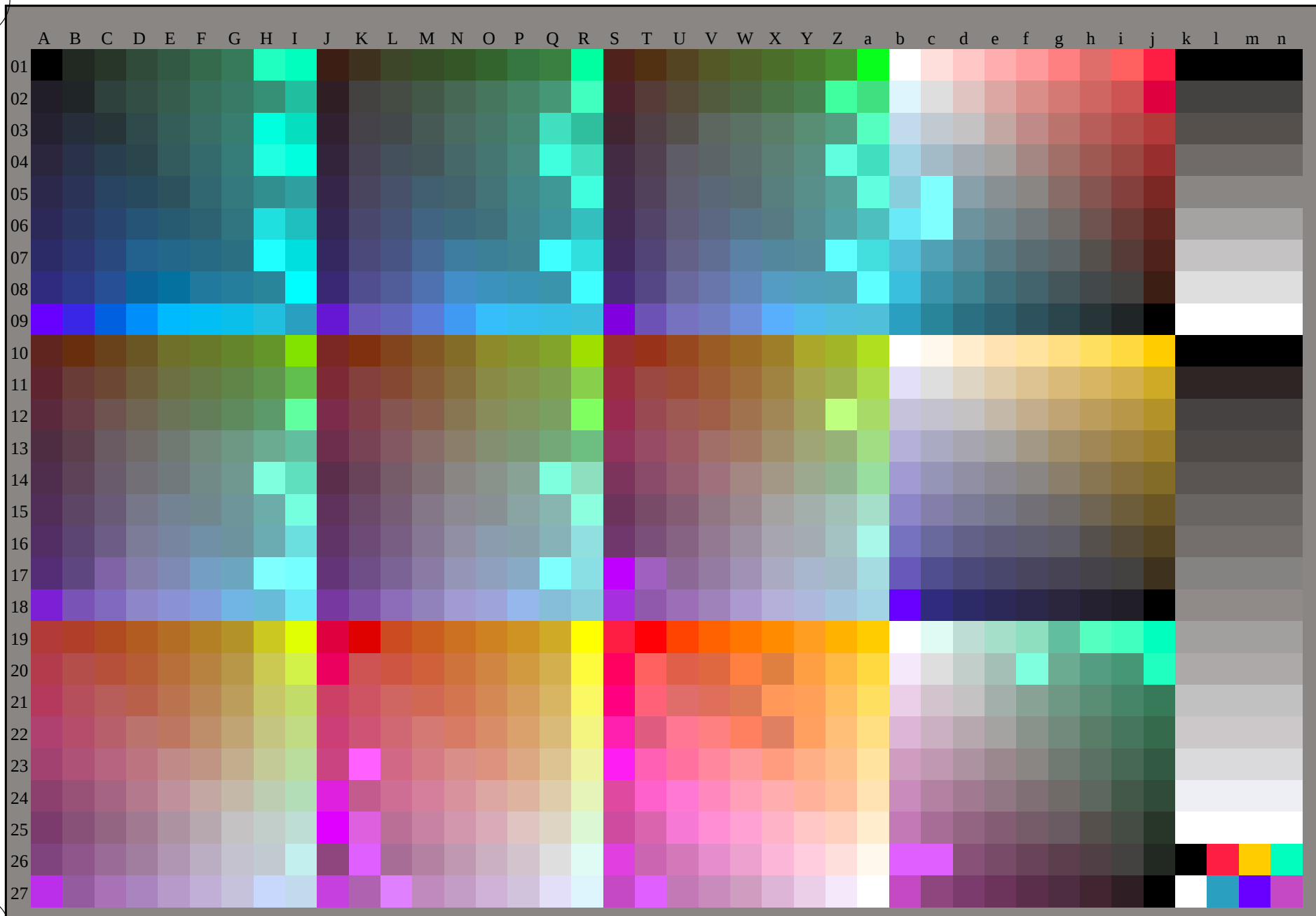
TUB-test chart RE61; 1080 standard colours, $cf=1$
Test chart according to DIN 33872

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

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

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS
application for measurement of laser printer output, no separation rgb* (RGB)
TUB material: code=rha4ta



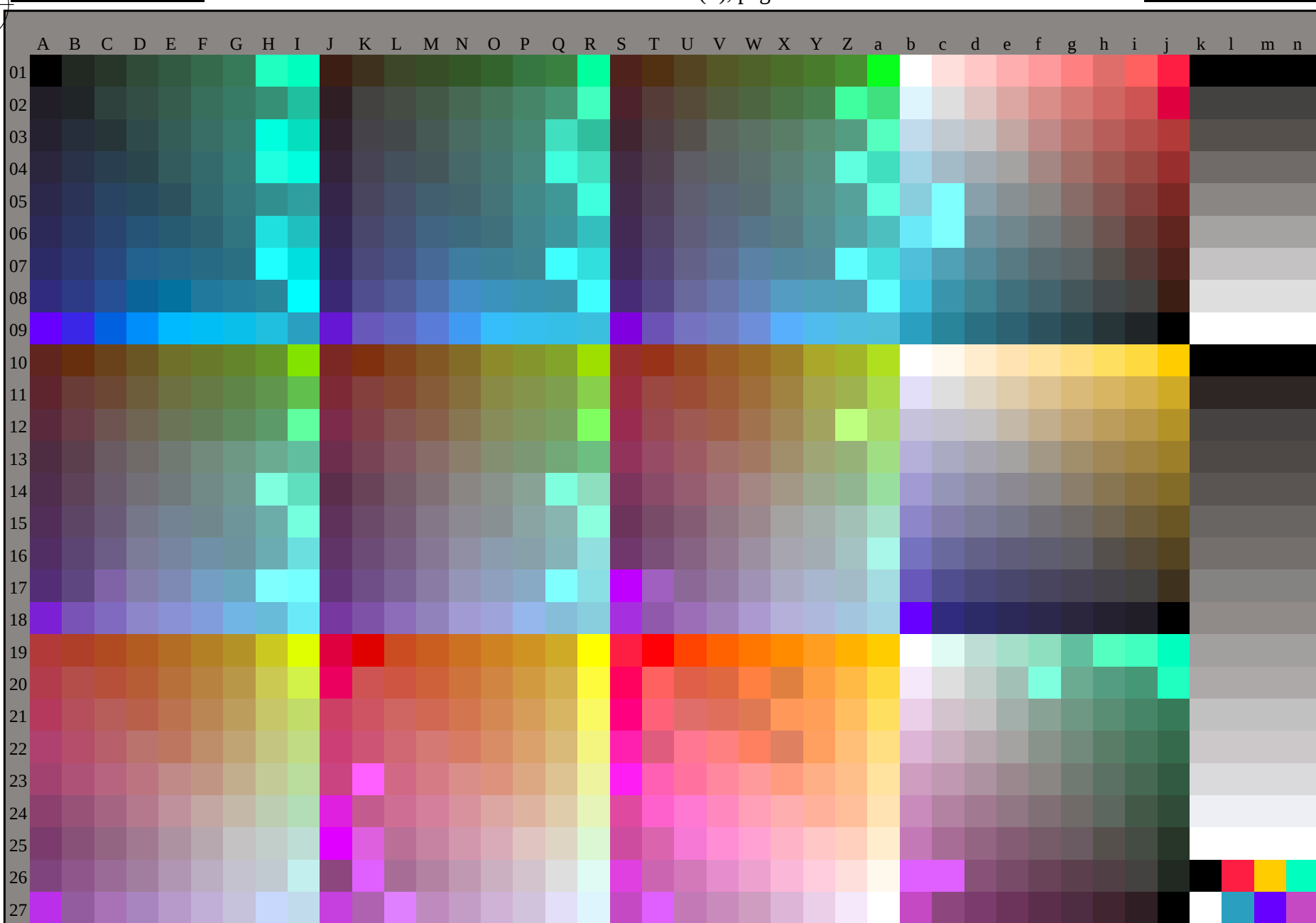
TUB-test chart RE61; 1080 standard colours, $cf=1$
Test chart according to DIN 33872, 3D=1, $de=1$, rgb^*

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



see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, no separation rgb* (RGB)



RE610-73

1-113234-L0

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

TUB-test chart RE61; 1080 standard colours, $cf=1$
Test chart according to DIN 33872

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

1-113234-F0

C

M

Y

O

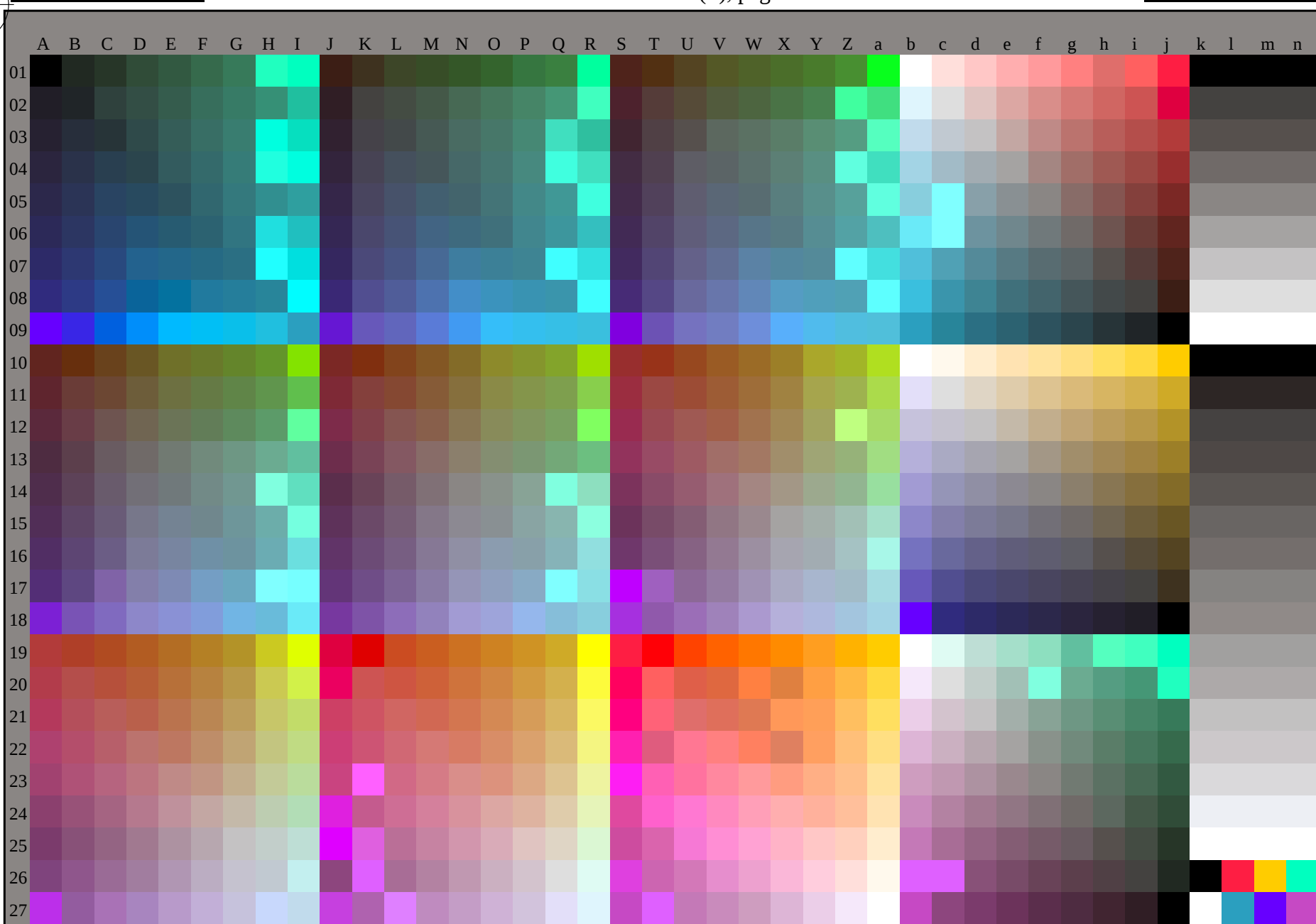
L

V

C

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, no separation rgb* (RGB)



RE610-73

1-113334-L0

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

TUB-test chart RE61; 1080 standard colours, $cf=1$
Test chart according to DIN 33872

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

1-113334-F0

C

M

Y

O

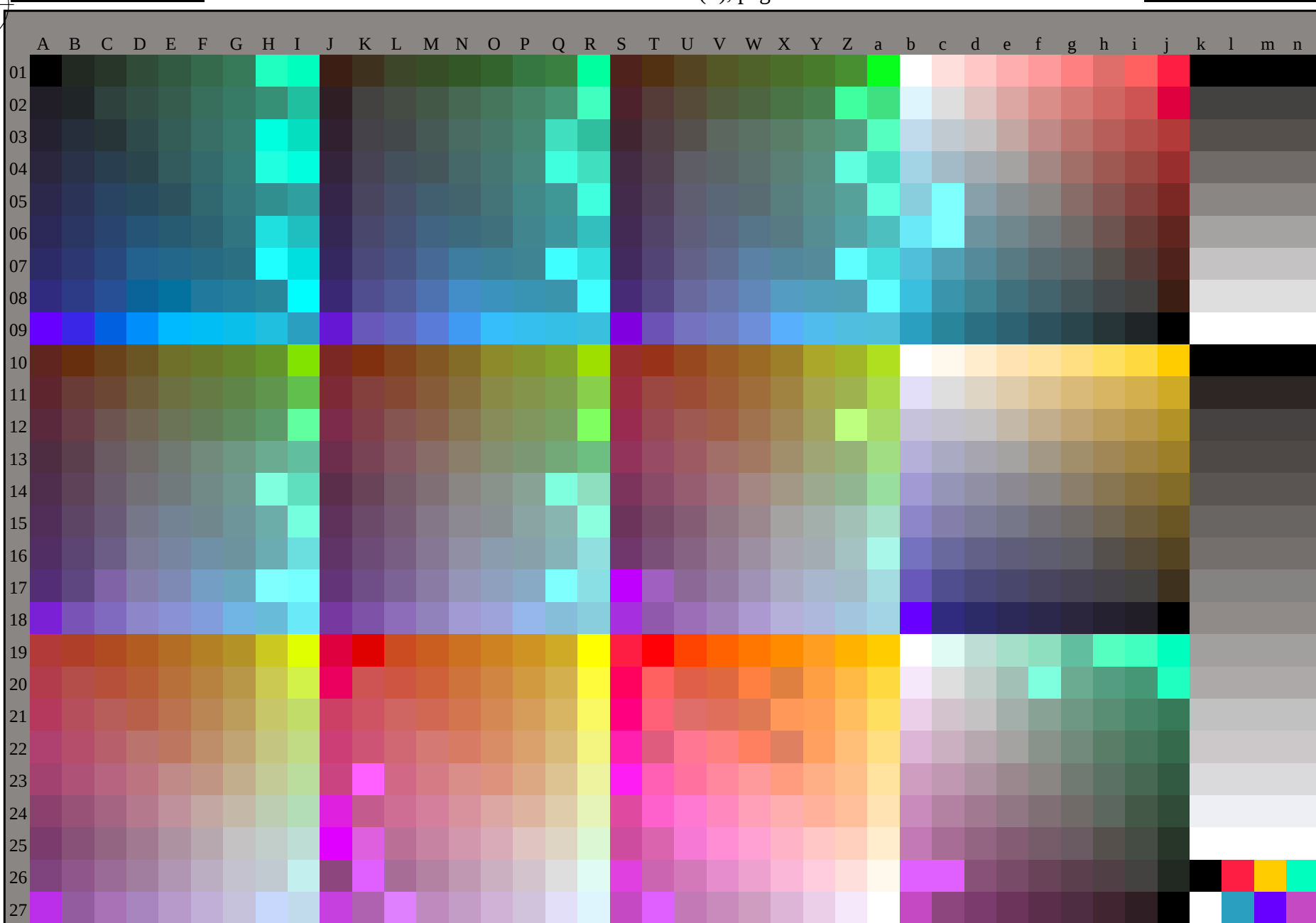
L

V

C

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, no separation rgb* (RGB)



RE610-73 1-113434-L0

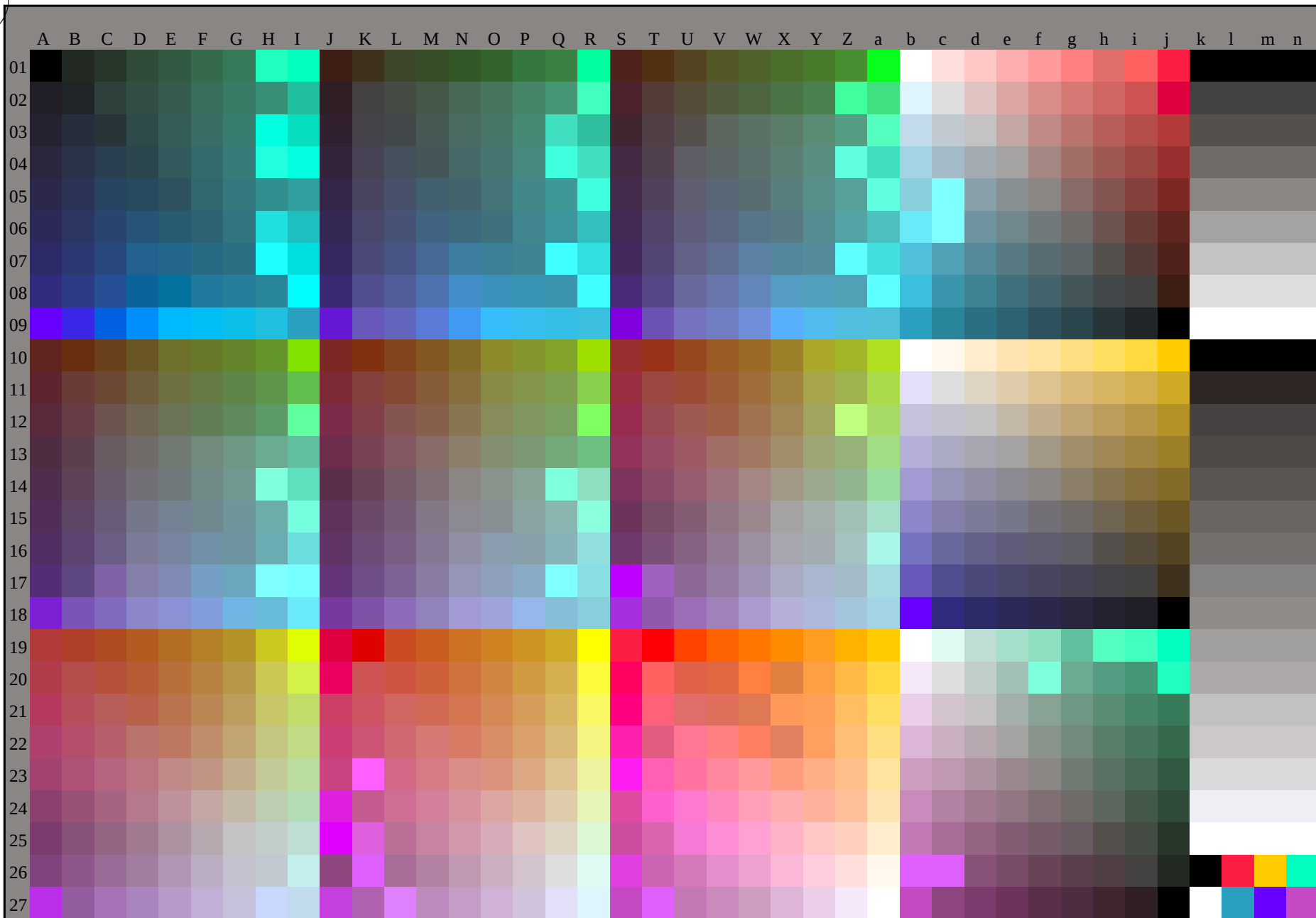
TUB-test chart RE61; 1080 standard colours, $cf=1$
Test chart according to DIN 33872

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

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

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, no separation rgb* (RGB)



RE610-73

1-113534-L0

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

TUB-test chart RE61; 1080 standard colours, $cf=1$
Test chart according to DIN 33872

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

1-113534-F0

C

M

Y

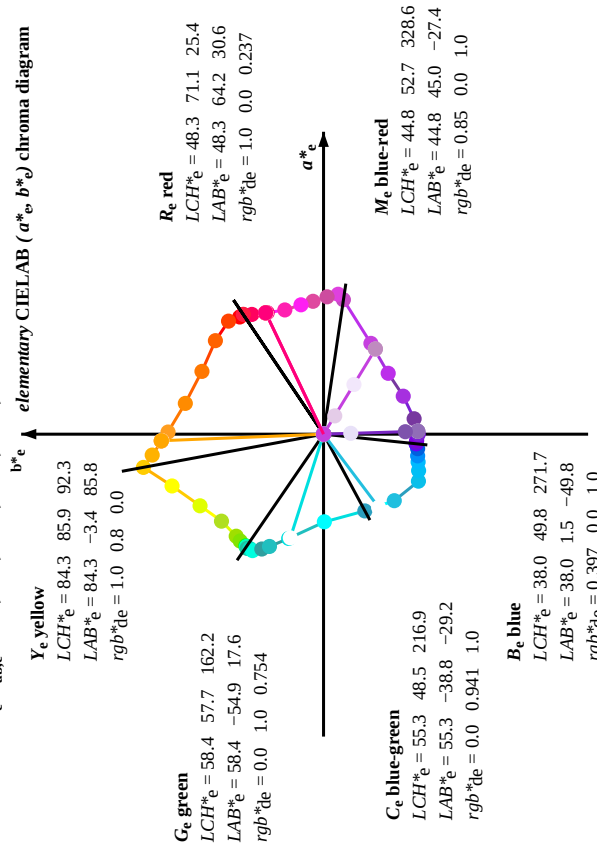
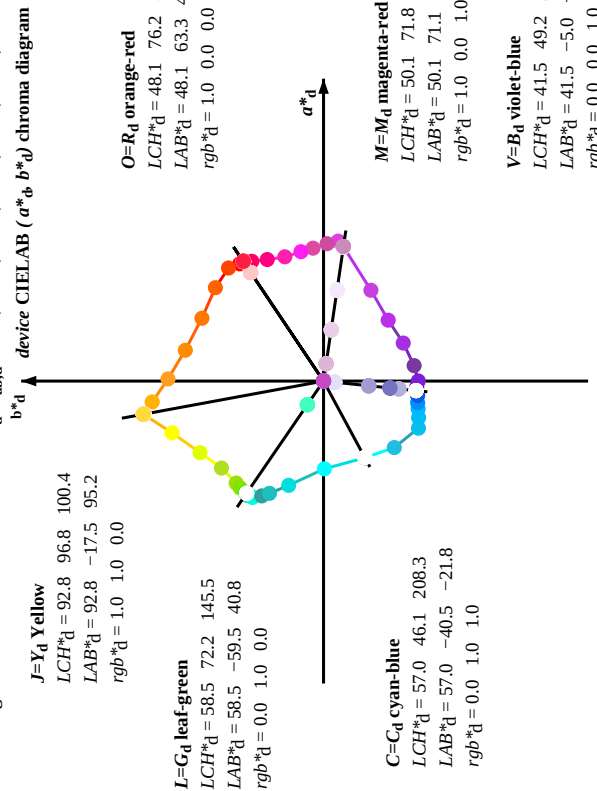
O

L

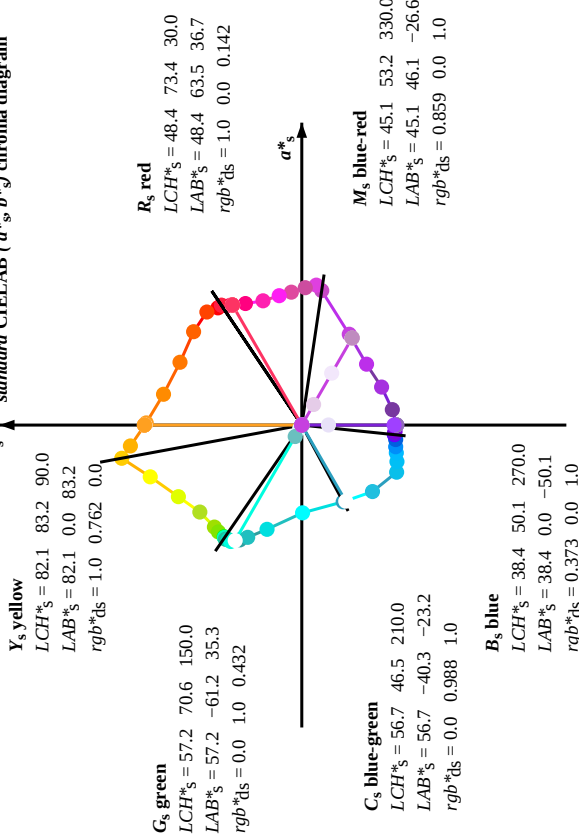
V

C

Data of Maximum color M in colorimetric system Offset standard print; separation cmyk*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGCMB_i; $h_{ab,i} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours RYGCMB_i; $h_{ab,i} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours RYGCMB_i; $h_{ab,i} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



standard CIELAB (a^* , b^*) chroma diagram



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

1. For the rgb^*_i -input values the CIELAB data LCH^*_i and LAB^*_i have been calculated.
2. For the calculation of the standard hue angle $h_{ab,i}$ use for any device values rgb^*_i the equation:
$$h_{ab,i} = \arctan \left[\frac{r^*_i \cos(30) + g^*_i \cos(150)}{1 + b^*_i \sin(30)} + \frac{g^*_i \sin(150)}{1 + b^*_i \sin(270)} \right] \quad (1)$$
3. For the 48 or 360 equally spaced standard hue angles $h_{ab,i}$ 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:
$$h_{48ab,ij} = h_{ab,si} + j \left[\frac{h_{ab,si+1} - h_{ab,si}}{8} \right] \quad (i=0,1,...,5; j=0,1,...,7) \quad (2)$$
$$h_{360ab,ij} = h_{ab,si} + j \left[\frac{h_{ab,si+1} - h_{ab,si}}{60} \right] \quad (i=0,1,...,5; j=0,1,...,59) \quad (3)$$
4. For the 48 or 360 elementary hue angles $h_{ab,i}$ 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:
$$h_{48ab,ej} = h_{ab,ei} + j \left[\frac{h_{ab,ei+1} - h_{ab,ei}}{8} \right] \quad (i=0,1,...,5; j=0,1,...,7) \quad (4)$$
$$h_{360ab,ej} = h_{ab,ei} + j \left[\frac{h_{ab,ei+1} - h_{ab,ei}}{60} \right] \quad (i=0,1,...,5; j=0,1,...,59) \quad (5)$$
5. For any elementary hue angle $h_{ab,i}$ there is a well defined device hue angle $h_{ab,i}$ see the following tables, columns 1 to 5 or 1 to 4.
6. The values rgb^*_i produce the output of the device-independent elementary hues

RE610-73 1-113634-L0

LAB*_{ab}, YN=0%, XY Znw=2.0, 2.1, 2.1, 85.9, 90.9, 95.1, LAB*_{nw}=15.8, 0.0, 0.0, 96.4, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyk*, D65, page 7/33

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; $rgb-LabCh$ *tables

input: $rgb/cmyk \rightarrow rgbde$
output: 3D-linearization to rgb^*_de

TUB registration: 20150701-RE61/RE61L0FA.TXT /PS
application for measurement of laser printer output, no separation rgb* (RGB)

TUB material: code=rha4ta

Six hue angles of the device colours RYGBM; $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours RYGBM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Data of maximum color M in colorimetric system Offset standard print; separation cmyk6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours RYGBM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$				Six hue angles of the device colours RYGBM; $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours RYGBM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$			
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{ab}	rgb^*_{ab}	rgb^*_{ab}	rgb^*_{ab}	rgb^*_{ab}
33.8	30.0	25.4	1.0	0.0	0.0	48.1	63.3
35.6	37.5	33.8	1.0	0.125	0.0	48.8	62.0
40.0	45.0	42.1	1.0	0.25	0.0	49.9	59.8
49.1	52.5	50.5	1.0	0.375	0.0	55.1	49.4
62.6	60.0	58.8	1.0	0.5	0.0	63.4	33.2
77.4	67.5	67.2	1.0	0.625	0.0	72.5	16.3
89.2	75.0	75.6	1.0	0.75	0.0	81.3	1.1
96.9	82.5	83.9	1.0	0.875	0.0	88.7	-11.0
100.4	90.0	92.3	1.0	1.0	0.0	92.8	-17.5
108.8	97.5	101.0	1.0	0.875	1.0	83.7	-27.3
120.1	105.0	109.7	0.75	1.0	0.0	74.4	-37.9
130.4	112.5	118.5	0.625	1.0	0.0	67.3	-45.9
139.3	120.0	127.2	0.5	1.0	0.0	61.7	-53.9
142.0	127.5	136.0	0.375	1.0	0.0	60.5	-56.5
145.1	135.0	144.7	0.25	1.0	0.0	58.6	-59.0
145.5	142.5	153.4	0.125	1.0	0.0	58.5	-59.5
145.5	150.0	162.2	0.0	1.0	0.0	58.5	-59.5
146.1	157.5	169.0	0.0	1.0	0.125	57.6	-60.4
147.2	165.0	175.9	0.0	1.0	0.25	57.6	-60.6
148.5	172.5	182.7	0.0	1.0	0.375	57.2	-61.5
151.6	180.0	189.6	0.0	1.0	0.5	57.1	-60.7
154.2	187.5	196.4	0.0	1.0	0.625	57.3	-59.4
161.5	195.0	203.2	0.0	1.0	0.75	58.4	-55.1
180.5	202.5	210.1	0.0	1.0	0.875	59.9	-46.4
208.3	210.0	216.9	0.0	1.0	1.0	57.0	-40.5
226.7	217.5	223.8	0.0	0.875	1.0	53.3	-35.2
243.5	225.0	230.6	0.0	0.75	1.0	52.6	-24.9
248.9	232.5	237.5	0.0	0.625	1.0	49.4	-19.3
253.6	240.0	244.3	0.0	0.5	1.0	47.1	-14.6
256.9	247.5	251.2	0.0	0.375	1.0	45.3	-11.4
261.2	255.0	258.0	0.0	0.25	1.0	42.9	-7.6
264.0	262.5	264.8	0.0	0.125	1.0	41.5	-5.0
264.0	270.0	271.7	0.0	0.0	1.0	41.5	-5.0
265.1	277.5	278.8	0.0	0.1	1.0	40.9	-4.1
266.0	285.0	285.9	0.0	0.2	1.0	40.3	-3.3
270.0	292.5	293.0	0.0	0.375	1.0	38.3	0.0
279.6	300.0	300.1	0.5	0.0	1.0	36.4	8.1
295.4	307.5	307.2	0.625	0.0	1.0	37.3	20.1
313.1	315.0	314.3	0.75	0.0	1.0	41.4	32.1
332.4	322.5	321.4	0.875	0.0	1.0	45.7	48.0
351.5	330.0	328.6	1.0	0.0	1.0	50.1	71.1
354.0	337.5	335.7	1.0	0.0	0.875	48.7	74.0
358.5	345.0	342.8	1.0	0.0	0.75	48.3	72.7
364.5	352.5	349.9	1.0	0.0	0.625	48.3	70.3
369.8	360.0	357.0	1.0	0.0	0.5	48.3	68.4
377.3	367.5	364.1	1.0	0.0	0.375	48.4	65.6
384.8	375.0	371.2	1.0	0.0	0.25	48.3	64.2
390.8	382.5	378.3	1.0	0.0	0.125	48.4	63.4
393.8	390.0	385.4	1.0	0.0	0.0	48.1	63.3

see similar files: <http://130.149.60.45/~farbmatrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

LAB*lab, YN=0%, XY Znw=2.0, 2.1, 2.1, 85.9, 90.9, 95.1, LAB*mnw=15.8, 0.0, 0.0, 96.4, 0.0, 0.0, not adapted=adapted

TUB-test chart RE61; 1080 standard colours, cf=1
48 step hue circles; rgb^*_{ab} -LabCh*tables

input: $rgb^*_{ab}/cmyk$ -> rgb^*_{ab}
output: 3D-linearization to rgb^*_{ab}

Output: Offset standard print; separation cmyk6*, D65, page 9/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmyrn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM ₆ : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;										Six hue angles of the device colours RYGBM ₆ : $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours RYGBM ₆ : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi}(x=LabCh)$	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	R_s	$rgb^*_{dd361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	R_e	$rgb^*_{dd361Mi}$	$LAB^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}			
33	30	25	1.0	0.0	0.0	48.1	63.3	42.5	76.2	33	1.0	0.0	0.0	1.0	0.0	0.0			
34	31	26	1.0	0.016	0.0	48.2	63.1	42.7	76.2	34	1.0	0.0	0.016	1.0	0.016	0.0			
34	32	27	1.0	0.033	0.0	48.3	62.9	43.0	76.2	34	1.0	0.0	0.033	1.0	0.033	0.0			
34	33	28	1.0	0.05	0.0	48.4	62.8	43.2	76.2	34	1.0	0.0	0.05	1.0	0.05	0.0			
34	34	29	1.0	0.066	0.0	48.4	62.6	43.5	76.2	34	1.0	0.0	0.066	1.0	0.066	0.0			
35	35	31	1.0	0.083	0.0	48.5	62.4	43.7	76.2	35	1.0	0.0	0.083	1.0	0.083	0.0			
35	36	32	1.0	0.1	0.0	48.6	62.2	44.0	76.2	35	1.0	0.1	0.0	1.0	0.1	0.0			
35	37	33	1.0	0.116	0.0	48.7	62.0	44.2	76.2	35	1.0	0.116	0.0	1.0	0.116	0.0			
35	38	34	1.0	0.133	0.0	48.8	61.8	44.7	76.3	35	1.0	0.133	0.0	1.0	0.133	0.0			
36	39	35	1.0	0.15	0.0	49.0	61.6	45.5	76.6	36	1.0	0.15	0.0	1.0	0.15	0.0			
37	40	36	1.0	0.166	0.0	49.1	61.3	46.3	76.8	37	1.0	0.166	0.0	1.0	0.166	0.0			
37	41	37	1.0	0.183	0.0	49.3	61.0	47.1	77.1	37	1.0	0.183	0.0	1.0	0.183	0.0			
38	42	38	1.0	0.2	0.0	49.4	60.7	47.9	77.3	38	1.0	0.2	0.0	1.0	0.2	0.0			
38	43	39	1.0	0.216	0.0	49.6	60.4	48.7	77.6	38	1.0	0.216	0.0	1.0	0.216	0.0			
39	44	41	1.0	0.233	0.0	49.7	60.1	49.4	77.8	39	1.0	0.233	0.0	1.0	0.233	0.0			
40	45	42	1.0	0.25	0.0	49.9	59.8	50.2	78.1	40	1.0	0.25	0.0	1.0	0.25	0.0			
41	46	43	1.0	0.266	0.0	50.6	58.4	51.3	78.8	41	1.0	0.266	0.0	1.0	0.266	0.0			
42	47	44	1.0	0.283	0.0	51.3	57.1	52.3	77.4	42	1.0	0.283	0.0	1.0	0.283	0.0			
43	48	45	1.0	0.3	0.0	52.0	55.7	53.2	77.1	43	1.0	0.3	0.0	1.0	0.3	0.0			
44	49	46	1.0	0.316	0.0	52.7	54.3	54.2	76.7	44	1.0	0.316	0.0	1.0	0.316	0.0			
46	50	47	1.0	0.333	0.0	53.4	52.9	55.1	76.4	46	1.0	0.333	0.0	1.0	0.333	0.0			
47	51	48	1.0	0.35	0.0	54.1	51.5	56.0	76.1	47	1.0	0.35	0.0	1.0	0.35	0.0			
48	52	49	1.0	0.366	0.0	54.8	50.1	56.8	75.7	48	1.0	0.366	0.0	1.0	0.366	0.0			
50	53	51	1.0	0.383	0.0	55.7	48.3	57.8	75.4	50	1.0	0.383	0.0	1.0	0.383	0.0			
51	54	52	1.0	0.4	0.0	56.8	46.2	59.0	74.9	51	1.0	0.4	0.0	1.0	0.4	0.0			
53	55	53	1.0	0.416	0.0	57.9	44.1	60.0	74.5	53	1.0	0.416	0.0	1.0	0.416	0.0			
55	56	54	1.0	0.433	0.0	59.0	42.0	61.1	74.1	55	1.0	0.433	0.0	1.0	0.433	0.0			
57	57	55	1.0	0.45	0.0	60.1	39.8	62.0	73.7	57	1.0	0.45	0.0	1.0	0.45	0.0			
59	58	56	1.0	0.466	0.0	61.2	37.6	62.8	73.3	59	1.0	0.466	0.0	1.0	0.466	0.0			
60	59	57	1.0	0.483	0.0	62.3	35.4	63.6	72.8	60	1.0	0.483	0.0	1.0	0.483	0.0			
62	60	58	1.0	0.5	0.0	63.4	33.2	64.3	72.4	62	1.0	0.5	0.0	1.0	0.5	0.0			
64	61	60	1.0	0.516	0.0	64.6	31.1	65.7	72.8	64	1.0	0.516	0.0	1.0	0.516	0.0			
66	62	61	1.0	0.533	0.0	65.8	29.0	67.1	73.1	66	1.0	0.533	0.0	1.0	0.533	0.0			
68	63	62	1.0	0.55	0.0	67.1	26.8	68.3	73.4	68	1.0	0.55	0.0	1.0	0.55	0.0			
70	64	63	1.0	0.566	0.0	68.3	24.5	69.5	73.8	70	1.0	0.566	0.0	1.0	0.566	0.0			
72	65	64	1.0	0.583	0.0	69.5	22.2	70.7	74.1	72	1.0	0.583	0.0	1.0	0.583	0.0			
74	66	65	1.0	0.6	0.0	70.7	19.9	71.7	74.4	74	1.0	0.6	0.0	1.0	0.6	0.0			
76	67	66	1.0	0.616	0.0	71.9	17.5	72.7	74.8	76	1.0	0.616	0.0	1.0	0.616	0.0			
78	68	67	1.0	0.633	0.0	73.1	15.4	73.8	75.4	78	1.0	0.633	0.0	1.0	0.633	0.0			
79	69	68	1.0	0.65	0.0	74.3	13.5	75.2	76.4	79	1.0	0.65	0.0	1.0	0.65	0.0			
81	70	70	1.0	0.666	0.0	75.4	11.6	76.5	77.4	81	1.0	0.666	0.0	1.0	0.666	0.0			
82	71	71	1.0	0.683	0.0	76.6	9.6	77.8	78.4	82	1.0	0.683	0.0	1.0	0.683	0.0			
84	72	72	1.0	0.7	0.0	77.8	7.6	79.0	79.3	84	1.0	0.7	0.0	1.0	0.7	0.0			
86	73	73	1.0	0.716	0.0	79.0	5.5	80.1	80.3	86	1.0	0.716	0.0	1.0	0.716	0.0			
87	74	74	1.0	0.733	0.0	80.1	3.3	81.2	81.3	87	1.0	0.733	0.0	1.0	0.733	0.0			
89	75	75	1.0	0.75	0.0	81.3	1.1	82.3	82.3	89	1.0	0.75	0.0	1.0	0.75	0.0			

RE610-73 1-113934-L0

LAB*la0, YN=0%, XYZnw=2.0, 2.1, 2.1, 85.9, 90.9, 95.1, LAB*nmw=15.8, 0.0, 0.0, 96.4, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyrn6*, D65, page 10/33

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; $rgb-LabCh$ *tables

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

1-113934-F0

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS
application for measurement of laser printer output, no separation rgb^* (RGB)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy _n 6*, D65 for input or output; Six hue angles of the 60 degree standard colours RY _G CBM _s : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																					
Six hue angles of the device colours RY _G CBM _d : $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours RY _G CBM _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)	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	
89	75	75	1.0	0.75	0.0	81.3	1.1	82.3	82.3	89	1.0	0.605	0.0	71.1	19.3	72.0	74.6	75	1.0	0.75	0.0
90	76	76	1.0	0.766	0.0	82.3	-0.3	83.5	83.5	90	1.0	0.613	0.0	71.7	18.1	72.5	74.7	76	1.0	0.767	0.0
91	77	77	1.0	0.783	0.0	83.3	-1.8	84.7	84.7	91	1.0	0.622	0.0	72.3	16.9	73.0	74.9	77	1.0	0.783	0.0
92	78	78	1.0	0.8	0.0	84.3	-3.4	85.8	85.9	92	1.0	0.631	0.0	73.0	15.7	73.7	75.3	78	1.0	0.8	0.0
93	79	80	1.0	0.816	0.0	85.3	-5.0	86.9	87.1	93	1.0	0.642	0.0	73.7	14.5	74.6	76.0	79	1.0	0.817	0.0
94	80	81	1.0	0.833	0.0	86.2	-6.7	88.0	88.3	94	1.0	0.652	0.0	74.5	13.3	75.4	76.6	80	1.0	0.833	0.0
95	81	82	1.0	0.85	0.0	87.2	-8.4	89.1	89.5	95	1.0	0.663	0.0	75.2	12.1	76.3	77.2	81	1.0	0.85	0.0
96	82	83	1.0	0.866	0.0	88.2	-10.1	90.1	90.7	96	1.0	0.674	0.0	76.0	10.8	77.1	77.8	82	1.0	0.867	0.0
97	83	84	1.0	0.883	0.0	89.0	-11.4	90.9	91.7	97	1.0	0.684	0.0	76.7	9.6	77.9	78.5	83	1.0	0.883	0.0
97	84	85	1.0	0.9	0.0	89.5	-12.2	91.6	92.4	97	1.0	0.695	0.0	77.5	8.3	78.7	79.1	84	1.0	0.9	0.0
98	85	86	1.0	0.916	0.0	90.1	-13.1	92.2	93.1	98	1.0	0.705	0.0	78.2	6.9	79.4	79.7	85	1.0	0.917	0.0
98	86	87	1.0	0.933	0.0	90.6	-14.0	92.8	93.9	98	1.0	0.716	0.0	79.0	5.6	80.1	80.3	86	1.0	0.933	0.0
99	87	88	1.0	0.95	0.0	91.2	-14.8	93.4	94.6	99	1.0	0.727	0.0	79.7	4.2	80.8	81.0	87	1.0	0.95	0.0
99	88	90	1.0	0.966	0.0	91.7	-15.7	94.0	95.4	99	1.0	0.737	0.0	80.4	2.8	81.5	81.6	88	1.0	0.967	0.0
99	89	91	1.0	0.983	0.0	92.3	-16.6	94.6	96.1	99	1.0	0.748	0.0	81.2	1.4	82.2	82.2	89	1.0	0.983	0.0
100	90	92	1.0	1.0	0.0	92.8	-17.5	95.2	96.8	100	1.0	0.763	0.0	82.1	0.0	83.3	83.3	90	1.0	1.0	0.0
101	91	93	0.983	1.0	0.0	91.6	-19.0	93.3	95.2	101	1.0	0.779	0.0	83.1	-1.4	84.4	84.4	91	0.983	1.0	0.0
102	92	94	0.966	1.0	0.0	90.4	-20.5	91.3	93.6	102	1.0	0.795	0.0	84.0	-2.9	85.5	85.6	92	0.967	1.0	0.0
103	93	95	0.95	1.0	0.0	89.2	-21.9	89.3	92.0	103	1.0	0.811	0.0	85.0	-4.4	86.6	86.7	93	0.95	1.0	0.0
104	94	96	0.933	1.0	0.0	88.0	-23.2	87.3	90.4	104	1.0	0.827	0.0	85.9	-6.0	87.7	87.9	94	0.933	1.0	0.0
106	95	98	0.916	1.0	0.0	86.8	-24.5	85.3	88.7	106	1.0	0.844	0.0	86.9	-7.7	88.7	89.1	95	0.917	1.0	0.0
107	96	99	0.9	1.0	0.0	85.5	-25.7	83.2	87.1	107	1.0	0.86	0.0	87.9	-9.3	89.7	90.2	96	0.9	1.0	0.0
108	97	100	0.883	1.0	0.0	84.3	-26.8	81.2	85.5	108	1.0	0.877	0.0	88.8	-11.0	90.7	91.4	97	0.883	1.0	0.0
109	98	101	0.866	1.0	0.0	83.1	-28.2	79.2	84.1	109	1.0	0.913	0.0	90.0	-12.8	92.1	93.0	98	0.867	1.0	0.0
111	99	102	0.85	1.0	0.0	81.9	-29.8	77.3	82.8	111	1.0	0.949	0.0	91.2	-14.7	93.4	94.6	99	0.85	1.0	0.0
112	100	103	0.833	1.0	0.0	80.6	-31.4	75.3	81.6	112	1.0	0.985	0.0	92.3	-16.6	94.7	96.2	100	0.833	1.0	0.0
114	101	105	0.816	1.0	0.0	79.4	-32.8	73.4	80.4	114	0.992	1.0	0.0	92.2	-18.2	94.3	96.1	101	0.817	1.0	0.0
115	102	106	0.8	1.0	0.0	78.1	-34.2	71.4	79.1	115	0.977	1.0	0.0	91.2	-19.6	92.6	94.6	102	0.8	1.0	0.0
117	103	107	0.783	1.0	0.0	76.9	-35.5	69.3	77.9	117	0.962	1.0	0.0	90.1	-20.9	90.8	93.2	103	0.783	1.0	0.0
118	104	108	0.766	1.0	0.0	75.6	-36.7	67.3	76.7	118	0.947	1.0	0.0	89.0	-22.1	89.0	91.7	104	0.767	1.0	0.0
120	105	109	0.75	1.0	0.0	74.4	-37.9	65.2	75.5	120	0.932	1.0	0.0	87.9	-23.3	87.2	90.3	105	0.75	1.0	0.0
121	106	110	0.733	1.0	0.0	73.4	-39.1	63.8	74.8	121	0.917	1.0	0.0	86.9	-24.4	85.4	88.9	106	0.733	1.0	0.0
122	107	112	0.716	1.0	0.0	72.5	-40.3	62.3	74.2	122	0.903	1.0	0.0	85.8	-25.5	83.6	87.4	107	0.717	1.0	0.0
124	108	113	0.7	1.0	0.0	71.5	-41.4	60.8	73.6	124	0.888	1.0	0.0	84.7	-26.5	81.8	86.0	108	0.7	1.0	0.0
125	109	114	0.683	1.0	0.0	70.6	-42.5	59.3	73.0	125	0.873	1.0	0.0	83.7	-27.4	80.0	84.6	109	0.683	1.0	0.0
126	110	115	0.666	1.0	0.0	69.6	-43.5	57.8	72.4	126	0.862	1.0	0.0	82.8	-28.6	78.7	83.8	110	0.667	1.0	0.0
128	111	116	0.65	1.0	0.0	68.7	-44.5	56.3	71.8	128	0.851	1.0	0.0	82.0	-29.6	77.5	83.0	111	0.65	1.0	0.0
129	112	117	0.633	1.0	0.0	67.7	-45.5	54.7	71.2	129	0.84	1.0	0.0	81.2	-30.7	76.2	82.2	112	0.633	1.0	0.0
131	113	119	0.616	1.0	0.0	66.9	-46.5	53.5	70.9	131	0.829	1.0	0.0	80.3	-31.7	74.9	81.3	113	0.617	1.0	0.0
132	114	120	0.6	1.0	0.0	66.2	-47.6	52.5	70.9	132	0.818	1.0	0.0	79.5	-32.7	73.6	80.5	114	0.6	1.0	0.0
133	115	121	0.583	1.0	0.0	65.4	-48.7	51.5	70.9	133	0.807	1.0	0.0	78.7	-33.6	72.2	79.7	115	0.583	1.0	0.0
134	116	122	0.566	1.0	0.0	64.7	-49.8	50.5	70.9	134	0.796	1.0	0.0	77.9	-34.5	70.9	78.9	116	0.567	1.0	0.0
135	117	123	0.55	1.0	0.0	63.9	-50.8	49.4	70.9	135	0.785	1.0	0.0	77.0	-35.3	69.6	78.1	117	0.55	1.0	0.0
136	118	124	0.533	1.0	0.0	63.2	-51.9	48.4	71.0	136	0.774	1.0	0.0	76.2	-36.2	68.2	77.3	118	0.533	1.0	0.0
138	119	126	0.516	1.0	0.0	62.5	-52.9	47.3	71.0	138	0.763	1.0	0.0	75.4	-37.0	66.8	76.4	119	0.517	1.0	0.0
139	120	127	0.5	1.0	0.0	61.7	-53.9	46.2	71.0	139	0.752	1.0	0.0	74.5	-37.7	65.5	75.6	120	0.5	1.0	0.0

RE610-73 1-1131034-L0

LAB*la0, YN=0%, XYZnw=2.0, 2.1, 2.1, 85.9, 90.9, 95.1, LAB*nw=15.8, 0.0, 0.0, 96.4, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyln6*, D65, page 11/33

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; $rgb-LabCh$ *tables

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

TUB registration: 20150701-RE61/RE61L0FA.TXT /.PS
application for measurement of laser printer output, no separation rgb^* (RGB)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmycn6*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM _s : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours RYGBCM _d : $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours RYGBCM _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)			$rgb^*_{ds361Mi}$			$LAB^*_{ds361Mi}$ (x=LabCh)			$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)			$rgb^*_{dd361Mi}$			$rgb^*_{da361Mi}$						
139	120	127	0.5	1.0	0.0	61.7	-53.9	46.2	71.0	139	0.752	1.0	0.0	74.5	-37.7	65.5	75.6	120	0.5	1.0	0.0	0.663	1.0	0.0	69.5	-43.7	57.6	72.3	127	0.5	1.0	0.0	
139	121	128	0.483	1.0	0.0	61.5	-54.2	45.9	71.1	139	0.74	1.0	0.0	73.8	-38.6	64.4	75.1	121	0.483	1.0	0.0	0.649	1.0	0.0	68.7	-44.5	56.2	71.8	128	0.483	1.0	0.0	
140	122	129	0.466	1.0	0.0	61.4	-54.6	45.6	71.2	140	0.727	1.0	0.0	73.1	-39.5	63.3	74.7	122	0.467	1.0	0.0	0.635	1.0	0.0	67.9	-45.3	54.9	71.3	129	0.467	1.0	0.0	
140	123	130	0.45	1.0	0.0	61.2	-54.9	45.4	71.2	140	0.715	1.0	0.0	72.4	-40.3	62.3	74.2	123	0.45	1.0	0.0	0.62	1.0	0.0	67.1	-46.2	53.7	70.9	130	0.45	1.0	0.0	
140	124	131	0.433	1.0	0.0	61.0	-55.3	45.1	71.3	140	0.703	1.0	0.0	71.8	-41.2	61.2	73.8	124	0.433	1.0	0.0	0.604	1.0	0.0	66.4	-47.3	52.8	70.9	131	0.433	1.0	0.0	
141	125	133	0.416	1.0	0.0	60.9	-55.6	44.8	71.4	141	0.691	1.0	0.0	71.1	-42.0	60.1	73.3	125	0.417	1.0	0.0	0.588	1.0	0.0	65.7	-48.4	51.8	71.0	133	0.417	1.0	0.0	
141	126	134	0.4	1.0	0.0	60.7	-56.0	44.5	71.5	141	0.679	1.0	0.0	70.4	-42.7	59.0	72.9	126	0.4	1.0	0.0	0.571	1.0	0.0	64.9	-49.4	50.8	71.0	134	0.4	1.0	0.0	
141	127	135	0.383	1.0	0.0	60.5	-56.3	44.2	71.6	141	0.667	1.0	0.0	69.7	-43.5	57.9	72.4	127	0.383	1.0	0.0	0.555	1.0	0.0	64.2	-50.5	49.8	71.0	135	0.383	1.0	0.0	
142	128	136	0.366	1.0	0.0	60.3	-56.6	43.9	71.6	142	0.654	1.0	0.0	69.0	-44.2	56.7	72.0	128	0.367	1.0	0.0	0.539	1.0	0.0	63.5	-51.5	48.8	71.0	136	0.367	1.0	0.0	
142	129	137	0.35	1.0	0.0	60.1	-57.0	43.5	71.7	142	0.642	1.0	0.0	68.3	-44.9	55.6	71.5	129	0.35	1.0	0.0	0.523	1.0	0.0	62.8	-52.5	47.7	71.0	137	0.35	1.0	0.0	
143	130	138	0.333	1.0	0.0	59.8	-57.3	43.1	71.7	143	0.63	1.0	0.0	67.6	-45.6	54.5	71.1	130	0.333	1.0	0.0	0.507	1.0	0.0	62.1	-53.4	46.7	71.0	138	0.333	1.0	0.0	
143	131	140	0.316	1.0	0.0	59.6	-57.7	42.7	71.8	143	0.617	1.0	0.0	67.0	-46.4	53.5	70.9	131	0.317	1.0	0.0	0.467	1.0	0.0	61.4	-54.5	45.7	71.2	140	0.317	1.0	0.0	
143	132	141	0.3	1.0	0.0	59.3	-58.0	42.3	71.8	143	0.603	1.0	0.0	66.3	-47.4	52.7	70.9	132	0.3	1.0	0.0	0.412	1.0	0.0	60.9	-55.7	44.7	71.5	141	0.3	1.0	0.0	
144	133	142	0.283	1.0	0.0	59.1	-58.3	41.9	71.8	144	0.589	1.0	0.0	65.7	-48.3	51.9	71.0	133	0.283	1.0	0.0	0.36	1.0	0.0	60.3	-56.7	43.7	71.7	142	0.283	1.0	0.0	
144	134	143	0.266	1.0	0.0	58.9	-58.6	41.5	71.9	144	0.575	1.0	0.0	65.1	-49.2	51.0	71.0	134	0.267	1.0	0.0	0.312	1.0	0.0	59.6	-57.7	42.6	71.8	143	0.267	1.0	0.0	
145	135	144	0.25	1.0	0.0	58.6	-59.0	41.1	71.9	145	0.561	1.0	0.0	64.5	-50.1	50.2	71.0	135	0.25	1.0	0.0	0.265	1.0	0.0	58.9	-58.6	41.5	71.9	144	0.25	1.0	0.0	
145	136	145	0.233	1.0	0.0	58.6	-59.0	41.0	71.9	145	0.547	1.0	0.0	63.9	-51.0	49.3	71.0	136	0.233	1.0	0.0	0.0	1.0	0.07	58.2	-59.9	40.6	72.5	145	0.233	1.0	0.0	
145	137	147	0.216	1.0	0.0	58.6	-59.1	41.0	72.0	145	0.533	1.0	0.0	63.2	-51.8	48.4	71.0	137	0.217	1.0	0.0	0.0	1.0	0.226	57.7	-60.5	39.2	72.2	147	0.217	1.0	0.0	
145	138	148	0.2	1.0	0.0	58.5	-59.2	41.0	72.0	145	0.519	1.0	0.0	62.6	-52.7	47.5	71.0	138	0.2	1.0	0.0	0.0	1.0	0.343	57.3	-61.2	38.0	72.1	148	0.2	1.0	0.0	
145	139	149	0.183	1.0	0.0	58.5	-59.3	40.9	72.0	145	0.505	1.0	0.0	62.0	-53.5	46.6	71.0	139	0.183	1.0	0.0	0.0	1.0	0.409	57.2	-61.3	36.3	71.3	149	0.183	1.0	0.0	
145	140	150	0.166	1.0	0.0	58.5	-59.3	40.9	72.1	145	0.471	1.0	0.0	61.5	-54.4	45.8	71.2	140	0.167	1.0	0.0	0.0	1.0	0.455	57.2	-61.0	34.4	70.1	150	0.167	1.0	0.0	
145	141	151	0.15	1.0	0.0	58.5	-59.4	40.9	72.1	145	0.424	1.0	0.0	61.0	-55.4	45.0	71.4	141	0.15	1.0	0.0	0.0	1.0	0.502	57.1	-60.6	32.6	68.9	151	0.15	1.0	0.0	
145	142	152	0.133	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.377	1.0	0.0	60.5	-56.4	44.1	71.7	142	0.133	1.0	0.0	0.0	1.0	0.558	57.2	-60.1	30.8	67.6	152	0.133	1.0	0.0	
145	143	154	0.116	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.336	1.0	0.0	59.9	-57.2	43.2	71.8	143	0.117	1.0	0.0	0.0	1.0	0.614	57.3	-59.5	29.0	66.2	154	0.117	1.0	0.0	
145	144	155	0.1	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.296	1.0	0.0	59.3	-58.0	42.2	71.8	144	0.1	1.0	0.0	0.0	1.0	0.641	57.5	-58.9	27.2	64.9	155	0.1	1.0	0.0	
145	145	156	0.083	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.255	1.0	0.0	58.7	-58.8	41.3	71.9	145	0.083	1.0	0.0	0.0	1.0	0.661	57.6	-58.3	25.5	63.7	156	0.083	1.0	0.0	
145	146	157	0.066	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.0	1.0	0.087	58.1	-60.1	40.6	72.6	146	0.067	1.0	0.0	0.0	1.0	0.682	57.8	-57.6	23.8	62.4	157	0.067	1.0	0.0	
145	147	158	0.049	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.0	1.0	0.217	57.7	-60.5	39.3	72.2	147	0.05	1.0	0.0	0.0	1.0	0.702	58.0	-56.9	22.2	61.2	158	0.05	1.0	0.0	
145	148	159	0.033	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.0	1.0	0.32	57.4	-61.0	38.2	72.1	148	0.033	1.0	0.0	0.0	1.0	0.722	58.2	-56.2	20.6	59.9	159	0.033	1.0	0.0	
145	149	161	0.016	1.0	0.0	58.5	-59.5	40.8	72.2	145	0.0	1.0	0.392	57.2	-61.4	36.9	71.7	149	0.017	1.0	0.0	0.0	1.0	0.742	58.4	-55.4	19.0	58.6	161	0.017	1.0	0.0	
145	150	162	0.0	1.0	0.0	58.5	-59.5	40.8	72.2	145	G_d	0.0	1.0	0.432	57.2	-61.1	35.3	70.7	$150G_s$	0.0	1.0	0.0	0.0	1.0	0.755	58.5	-54.9	17.6	57.7	$162G_e$	0.0	1.0	0.0
145	151	163	0.0	1.0	0.016	58.4	-59.6	40.8	72.2	145	0.0	1.0	0.473	57.2	-60.8	33.8	69.7	151	0.0	1.0	0.017	0.0	1.0	0.761	58.6	-54.6	16.6	57.1	163	0.0	1.0	0.017	
145	152	164	0.0	1.0	0.033	58.3	-59.7	40.7	72.3	145	0.0	1.0	0.515	57.2	-60.5	32.2	68.6	152	0.0	1.0	0.033	0.0	1.0	0.767	58.6	-54.3	15.6	56.6	164	0.0	1.0	0.033	
145	153	164	0.0	1.0	0.05	58.2	-59.9	40.7	72.4	145	0.0	1.0																					

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; 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^* ddx361Mi (x=LabCh) rgb^* ds361Mi LAB^* dsx361Mi (x=LabCh) rgb^* dd361Mi rgb^* de361Mi LAB^* dex361Mi (x=LabCh)

165	175	0.0	1.0	0.25	57.6	-60.6	38.9	72.0	147	0.0	1.0	0.773	58.7	-54.0	14.5	56.0	165	0.0	1.0	0.25	0.0	1.0	0.845	59.6	-49.1	3.5	49.3	175	0.0	1.0	0.25								
147	166	176	0.0	1.0	0.266	57.5	-60.7	38.7	72.0	147	0.0	1.0	0.779	58.8	-53.6	13.4	55.4	166	0.0	1.0	0.267	0.0	1.0	0.851	59.6	-48.5	2.7	48.7	176	0.0	1.0	0.267							
147	167	177	0.0	1.0	0.283	57.5	-60.8	38.5	72.0	147	0.0	1.0	0.786	58.9	-53.3	12.3	54.8	167	0.0	1.0	0.283	0.0	1.0	0.857	59.7	-48.0	1.9	48.2	177	0.0	1.0	0.283							
147	168	178	0.0	1.0	0.3	57.4	-60.9	38.4	72.0	147	0.0	1.0	0.793	58.9	-52.9	11.3	54.2	168	0.0	1.0	0.3	0.0	1.0	0.863	59.8	-47.5	1.1	47.6	178	0.0	1.0	0.3							
147	169	179	0.0	1.0	0.316	57.4	-61.1	38.2	72.0	147	0.0	1.0	0.799	59.0	-52.5	10.2	53.5	169	0.0	1.0	0.317	0.0	1.0	0.869	59.9	-46.9	0.4	47.0	179	0.0	1.0	0.317							
148	170	180	0.0	1.0	0.333	57.3	-61.2	38.0	72.1	148	0.0	1.0	0.806	59.1	-52.0	9.2	52.9	170	0.0	1.0	0.333	0.0	1.0	0.875	59.9	-46.4	-0.3	46.5	180	0.0	1.0	0.333							
148	171	181	0.0	1.0	0.35	57.3	-61.3	37.8	72.1	148	0.0	1.0	0.812	59.2	-51.6	8.2	52.3	171	0.0	1.0	0.35	0.0	1.0	0.879	59.8	-46.3	-1.0	46.4	181	0.0	1.0	0.35							
148	172	182	0.0	1.0	0.366	57.2	-61.4	37.7	72.1	148	0.0	1.0	0.819	59.3	-51.1	7.2	51.7	172	0.0	1.0	0.367	0.0	1.0	0.883	59.8	-46.3	-1.8	46.4	182	0.0	1.0	0.367							
148	173	183	0.0	1.0	0.383	57.2	-61.5	37.2	71.9	148	0.0	1.0	0.825	59.3	-50.6	6.2	51.1	173	0.0	1.0	0.383	0.0	1.0	0.887	59.7	-46.2	-2.5	46.4	183	0.0	1.0	0.383							
149	174	184	0.0	1.0	0.4	57.2	-61.4	36.6	71.5	149	0.0	1.0	0.832	59.4	-50.1	5.3	50.5	174	0.0	1.0	0.4	0.0	1.0	0.891	59.6	-46.2	-3.2	46.4	184	0.0	1.0	0.4							
149	175	185	0.0	1.0	0.416	57.2	-61.3	35.9	71.0	149	0.0	1.0	0.839	59.5	-49.6	4.3	49.8	175	0.0	1.0	0.417	0.0	1.0	0.895	59.5	-46.1	-4.0	46.4	185	0.0	1.0	0.417							
150	176	185	0.0	1.0	0.433	57.2	-61.2	35.3	70.6	150	0.0	1.0	0.845	59.6	-49.0	3.4	49.2	176	0.0	1.0	0.433	0.0	1.0	0.899	59.4	-46.0	-4.7	46.4	185	0.0	1.0	0.433							
150	177	186	0.0	1.0	0.45	57.1	-61.1	34.6	70.2	150	0.0	1.0	0.852	59.6	-48.4	2.5	48.6	177	0.0	1.0	0.45	0.0	1.0	0.903	59.3	-45.9	-5.4	46.4	186	0.0	1.0	0.45							
150	178	187	0.0	1.0	0.466	57.1	-60.9	34.0	69.8	150	0.0	1.0	0.858	59.7	-47.9	1.7	48.0	178	0.0	1.0	0.467	0.0	1.0	0.908	59.2	-45.8	-6.2	46.3	187	0.0	1.0	0.467							
151	179	188	0.0	1.0	0.483	57.1	-60.8	33.3	69.4	151	0.0	1.0	0.865	59.8	-47.3	0.8	47.4	179	0.0	1.0	0.483	0.0	1.0	0.912	59.1	-45.7	-6.9	46.3	188	0.0	1.0	0.483							
151	180	189	0.0	1.0	0.5	57.1	-60.7	32.7	68.9	151	0.0	1.0	0.871	59.9	-46.7	0.0	46.8	180	0.0	1.0	0.5	0.0	1.0	0.916	59.0	-45.6	-7.6	46.3	189	0.0	1.0	0.5							
152	181	190	0.0	1.0	0.516	57.1	-60.5	32.1	68.5	152	0.0	1.0	0.877	59.9	-46.3	-0.7	46.4	181	0.0	1.0	0.517	0.0	1.0	0.92	58.9	-45.4	-8.4	46.3	190	0.0	1.0	0.517							
152	182	191	0.0	1.0	0.533	57.1	-60.4	31.6	68.1	152	0.0	1.0	0.882	59.8	-46.3	-1.5	46.4	182	0.0	1.0	0.533	0.0	1.0	0.924	58.8	-45.3	-9.1	46.3	191	0.0	1.0	0.533							
152	183	192	0.0	1.0	0.55	57.2	-60.2	31.0	67.7	152	0.0	1.0	0.886	59.7	-46.2	-2.3	46.4	183	0.0	1.0	0.55	0.0	1.0	0.928	58.7	-45.1	-9.8	46.3	192	0.0	1.0	0.55							
153	184	193	0.0	1.0	0.566	57.2	-60.0	30.5	67.3	153	0.0	1.0	0.891	59.6	-46.2	-3.1	46.4	184	0.0	1.0	0.567	0.0	1.0	0.932	58.6	-44.9	-10.5	46.3	193	0.0	1.0	0.567							
153	185	194	0.0	1.0	0.583	57.2	-59.8	29.9	66.9	153	0.0	1.0	0.895	59.5	-46.1	-3.9	46.4	185	0.0	1.0	0.583	0.0	1.0	0.936	58.5	-44.8	-11.2	46.3	194	0.0	1.0	0.583							
153	186	195	0.0	1.0	0.6	57.2	-59.7	29.4	66.5	153	0.0	1.0	0.9	59.4	-46.0	-4.7	46.4	186	0.0	1.0	0.6	0.0	1.0	0.94	58.4	-44.6	-11.9	46.3	195	0.0	1.0	0.6							
154	187	195	0.0	1.0	0.616	57.3	-59.5	28.8	66.1	154	0.0	1.0	0.904	59.3	-45.9	-5.5	46.3	187	0.0	1.0	0.617	0.0	1.0	0.944	58.4	-44.4	-12.6	46.2	195	0.0	1.0	0.617							
154	188	196	0.0	1.0	0.633	57.3	-59.2	27.8	65.4	154	0.0	1.0	0.909	59.2	-45.8	-6.3	46.3	188	0.0	1.0	0.633	0.0	1.0	0.949	58.3	-44.1	-13.3	46.2	196	0.0	1.0	0.633							
155	189	197	0.0	1.0	0.65	57.5	-58.7	26.4	64.4	155	0.0	1.0	0.913	59.1	-45.7	-7.1	46.3	189	0.0	1.0	0.65	0.0	1.0	0.953	58.2	-43.9	-14.0	46.2	197	0.0	1.0	0.65							
156	190	198	0.0	1.0	0.666	57.6	-58.1	25.0	63.3	156	0.0	1.0	0.918	59.0	-45.5	-7.9	46.3	190	0.0	1.0	0.667	0.0	1.0	0.957	58.1	-43.7	-14.7	46.2	198	0.0	1.0	0.667							
157	191	199	0.0	1.0	0.683	57.8	-57.6	23.6	62.3	157	0.0	1.0	0.922	58.9	-45.4	-8.7	46.3	191	0.0	1.0	0.683	0.0	1.0	0.961	58.0	-43.4	-15.4	46.2	199	0.0	1.0	0.683							
158	192	200	0.0	1.0	0.7	57.9	-57.0	22.3	61.2	158	0.0	1.0	0.926	58.8	-45.2	-9.5	46.3	192	0.0	1.0	0.7	0.0	1.0	0.965	57.9	-43.2	-16.1	46.2	200	0.0	1.0	0.7							
159	193	201	0.0	1.0	0.716	58.1	-56.4	21.0	60.2	159	0.0	1.0	0.931	58.7	-45.0	-10.3	46.3	193	0.0	1.0	0.717	0.0	1.0	0.969	57.8	-42.9	-16.8	46.2	201	0.0	1.0	0.717							
160	194	202	0.0	1.0	0.733	58.2	-55.8	19.7	59.1	160	0.0	1.0	0.935	58.6	-44.8	-11.1	46.3	194	0.0	1.0	0.733	0.0	1.0	0.973	57.7	-42.6	-17.5	46.2	202	0.0	1.0	0.733							
161	195	203	0.0	1.0	0.75	58.4	-55.1	18.4	58.1	161	0.0	1.0	0.94	58.5	-44.6	-11.9	46.3	195	0.0	1.0	0.75	0.0	1.0	0.977	57.6	-42.3	-18.2	46.2	203	0.0	1.0	0.75							
164	196	204	0.0	1.0	0.766	58.6	-54.4	15.5	56.5	164	0.0	1.0	0.944	58.4	-44.4	-12.6	46.2	196	0.0	1.0	0.767	0.0	1.0	0.981	57.5	-42.0	-18.8	46.2	204	0.0	1.0	0.767							
166	197	205	0.0	1.0	0.783	58.8	-53.5	12.7	55.0	166	0.0	1.0	0.949	58.3	-44.1	-13.4	46.2	197	0.0	1.0	0.783	0.0	1.0	0.985	57.4	-41.7	-19.5	46.1	205	0.0	1.0	0.783							
169	198	206	0.0	1.0	0.8	59.0	-52.4	10.0	53.4	169	0.0	1.0	0.953	58.2	-43.9	-14.2	46.2	198	0.0	1.0	0.8	0.0	1.0	0.99	57.3	-41.4	-20.1	46.1	206	0.0	1.0	0.8							
171	199	206	0.0	1.0	0.816	59.2	-51.3	7.5	51.8	171	0.0	1.0	0.958	58.0	-43.6	-14.9	46.2	199	0.0	1.0	0.817	0.0	1.0	0.994	57.2	-41.0	-20.8	46.1	206	0.0	1.0	0.817							
174	200	207	0.0	1.0	0.833	59.4	-50.0	5.0	50.3	174	0.0	1.0	0.962	57.9	-43.3	-15.7	46.2	200	0.0	1.0	0.833	0.0	1.0	0.998	57.1	-40.7	-21.4	46.1	207	0.0	1.0	0.833							
176	201	208	0.0	1.0	0.85	59.6	-48.6	2.7	48.7	176	0.0	1.0	0.967	57.8	-43.0	-16.5	46.2	201	0.0	1.0	0.85	0.0	1.0	0.997	1.0	57.0	-40.4	-22.1	46.2	208	0.0	1.0	0.85						
179	202	209	0.0	1.0	0.866	59.8	-47.1	0.5	47.2	179	0.0	1.0	0.971	57.7	-42.7	-17.2	46.2	202	0.0	1.0	0.867	0.0	1.0	0.991	1.0	56.8	-40.3	-22.9	46.5	209	0.0	1.0	0.867						
182	203	210	0.0	1.0	0.883	59.7	-46.3	-1.9	46.4	182	0.0	1.0	0.976	57.6	-42.4	-17.9	46.2	203	0.0	1.0	0.883	0.0	1.0	0.985	1.0	56.6	-40.1	-23.7	46.8	210	0.0	1.0	0.883						
186	204	211	0.0	1.0	0.9	59.3	-46.0	-4.9	46.3	186	0.0	1.0	0.98	57.5	-42.1	-18.7	46.2	204	0.0	1.0	0.9	0.0	1.0	0.978	1.0	56.4													

TUB material: code=rh4ta
n rgb* (RGB)

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; $rgb-LabCh^*$ tables

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

Output: Offset standard print; separation cmyn6*, D65, page 13/36

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

TUB registration: 20150701-RE61/RE610FA.TXT/.PSS
+ application for measurement of laser printer output, no s

TUB material: code=rha4ta

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; $rgb-LabCh^*$ tables

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

Output: Offset standard print; separation cmyn6*, D65, page 14/36

Data of Maximum color M in colorimetric system Offset standard print; separation cmy _{ns} 6*, 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} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6; 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	rgb* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	rgb* dd361Mi	rgb* dd361Mi	rgb* dd361Mi	rgb* dd361Mi										
261	255	258	0.0	0.25 1.0	42.9	-7.6	-49.7 50.3	261	0.0	0.45 1.0	46.4	-13.3	-49.8 51.7	255										
261	256	258	0.0	0.233 1.0	42.7	-7.3	-49.6 50.1	261	0.0	0.412 1.0	45.9	-12.3	-49.7 51.4	256										
261	257	259	0.0	0.216 1.0	42.5	-6.9	-49.5 50.0	261	0.0	0.375 1.0	45.3	-11.4	-49.6 51.0	257										
262	258	260	0.0	0.2 1.0	42.4	-6.6	-49.4 49.9	262	0.0	0.345 1.0	44.8	-10.5	-49.7 50.9	258										
262	259	261	0.0	0.183 1.0	42.2	-6.2	-49.3 49.7	262	0.0	0.316 1.0	44.2	-9.6	-49.7 50.7	259										
263	260	262	0.0	0.166 1.0	42.0	-5.9	-49.2 49.6	263	0.0	0.286 1.0	43.7	-8.7	-49.7 50.5	260										
263	261	263	0.0	0.15 1.0	41.8	-5.5	-49.1 49.5	263	0.0	0.257 1.0	43.1	-7.8	-49.6 50.4	261										
263	262	264	0.0	0.133 1.0	41.6	-5.2	-49.0 49.3	263	0.0	0.216 1.0	42.6	-6.9	-49.5 50.0	262										
264	263	265	0.0	0.116 1.0	41.5	-5.0	-49.0 49.2	264	0.0	0.173 1.0	42.1	-6.0	-49.2 49.7	263										
264	264	266	0.0	0.1 1.0	41.5	-5.0	-49.0 49.2	264	0.0	0.129 1.0	41.6	-5.1	-49.0 49.3	264										
264	265	267	0.0	0.083 1.0	41.5	-5.0	-49.0 49.2	264	0.111 0.0 1.0	41.0	-4.2	-49.0 49.3	265											
264	266	268	0.0	0.066 1.0	41.5	-5.0	-49.0 49.2	264	0.24 0.0 1.0	40.4	-3.3	-49.2 49.4	266											
264	267	269	0.0	0.049 1.0	41.5	-5.0	-49.0 49.2	264	0.279 0.0 1.0	39.9	-2.5	-49.5 49.6	267											
264	268	269	0.0	0.033 1.0	41.5	-5.0	-49.0 49.2	264	0.31 0.0 1.0	39.4	-1.6	-49.7 49.8	268											
264	269	270	0.0	0.016 1.0	41.5	-5.0	-49.0 49.2	264	0.342 0.0 1.0	38.9	-0.8	-49.9 50.0	269											
264	270	271	0.0	0.0 1.0	41.5	-5.0	-49.0 49.2	264	0.373 0.0 1.0	38.4	0.0	-50.1 50.2	270											
264	271	272	0.016 0.0 1.0	41.4	-4.9	-49.0 49.2	264	0.387 0.0 1.0	38.2	0.9	-49.9 50.0	271												
264	272	273	0.033 0.0 1.0	41.4	-4.8	-49.0 49.2	264	0.4 0.0 1.0	38.0	1.7	-49.7 49.8	272												
264	273	274	0.05 0.0 1.0	41.3	-4.7	-49.0 49.2	264	0.414 0.0 1.0	37.8	2.6	-49.5 49.7	273												
264	274	275	0.066 0.0 1.0	41.2	-4.6	-49.0 49.2	264	0.427 0.0 1.0	37.6	3.5	-49.3 49.5	274												
264	275	276	0.083 0.0 1.0	41.1	-4.4	-49.0 49.2	264	0.44 0.0 1.0	37.4	4.3	-49.1 49.4	275												
264	276	277	0.1 0.0 1.0	41.0	-4.3	-49.0 49.2	264	0.453 0.0 1.0	37.2	5.1	-48.8 49.2	276												
265	277	278	0.116 0.0 1.0	40.9	-4.2	-49.0 49.2	265	0.466 0.0 1.0	37.0	6.0	-48.6 49.0	277												
265	278	279	0.133 0.0 1.0	40.9	-4.1	-49.1 49.2	265	0.479 0.0 1.0	36.8	6.8	-48.3 48.9	278												
265	279	280	0.15 0.0 1.0	40.8	-4.0	-49.1 49.3	265	0.492 0.0 1.0	36.6	7.6	-48.0 48.7	279												
265	280	281	0.166 0.0 1.0	40.7	-3.9	-49.1 49.3	265	0.503 0.0 1.0	36.5	8.4	-47.7 48.5	280												
265	281	282	0.183 0.0 1.0	40.6	-3.8	-49.2 49.3	265	0.511 0.0 1.0	36.5	9.2	-47.4 48.4	281												
265	282	283	0.2 0.0 1.0	40.5	-3.7	-49.2 49.3	265	0.519 0.0 1.0	36.6	10.0	-47.2 48.3	282												
265	283	284	0.216 0.0 1.0	40.5	-3.5	-49.2 49.4	265	0.527 0.0 1.0	36.6	10.8	-46.9 48.2	283												
265	284	285	0.233 0.0 1.0	40.4	-3.4	-49.3 49.4	265	0.535 0.0 1.0	36.7	11.6	-46.6 48.1	284												
266	285	286	0.25 0.0 1.0	40.3	-3.3	-49.3 49.4	266	0.542 0.0 1.0	36.8	12.4	-46.2 48.0	285												
266	286	286	0.266 0.0 1.0	40.0	-2.9	-49.4 49.5	266	0.55 0.0 1.0	36.8	13.2	-45.9 47.9	286												
267	287	287	0.283 0.0 1.0	39.8	-2.4	-49.5 49.6	267	0.558 0.0 1.0	36.9	14.0	-45.6 47.7	287												
267	288	288	0.3 0.0 1.0	39.5	-2.0	-49.6 49.7	267	0.566 0.0 1.0	36.9	14.7	-45.2 47.6	288												
268	289	289	0.316 0.0 1.0	39.3	-1.5	-49.8 49.8	268	0.574 0.0 1.0	37.0	15.5	-44.8 47.5	289												
268	290	290	0.333 0.0 1.0	39.0	-1.1	-49.9 49.9	268	0.582 0.0 1.0	37.0	16.2	-44.4 47.4	290												
269	291	291	0.35 0.0 1.0	38.7	-0.6	-50.0 50.0	269	0.59 0.0 1.0	37.1	16.9	-44.0 47.3	291												
269	292	292	0.366 0.0 1.0	38.5	-0.1	-50.1 50.1	269	0.598 0.0 1.0	37.1	17.7	-43.6 47.2	292												
270	293	293	0.383 0.0 1.0	38.2	0.6	-50.0 50.0	270	0.606 0.0 1.0	37.2	18.4	-43.2 47.0	293												
271	294	294	0.4 0.0 1.0	38.0	1.7	-49.8 49.8	271	0.613 0.0 1.0	37.2	19.1	-42.8 46.9	294												
273	295	295	0.416 0.0 1.0	37.7	2.8	-49.5 49.6	273	0.621 0.0 1.0	37.3	19.8	-42.3 46.8	295												
274	296	296	0.433 0.0 1.0	37.4	3.8	-49.2 49.4	274	0.629 0.0 1.0	37.4	20.5	-41.9 46.8	296												
275	297	297	0.45 0.0 1.0	37.2	4.9	-48.9 49.2	275	0.636 0.0 1.0	37.7	21.2	-41.6 46.8	297												
277	298	298	0.466 0.0 1.0	36.9	6.0	-48.6 49.0	277	0.643 0.0 1.0	37.9	22.0	-41.2 46.8	298												
278	299	299	0.483 0.0 1.0	36.7	7.0	-48.2 48.8	278	0.65 0.0 1.0	38.1	22.7	-40.8 46.8	299												
279	300	300	0.5 0.0 1.0	36.4	8.1	-47.9 48.5	279	0.657 0.0 1.0	38.4	23.4	-40.4 46.8	300												

TUB-test chart RE61; 1080 standard colours, cf=1
48 step hue circles; rgb-LabCh*tables

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

Data of Maximum color M in colorimetric system Offset standard print; separation cmyrn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM _d : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;			Six hue angles of the device colours RYGBM _d : $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$;			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}	$LAB^*_{dsx361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}															
279	300	300	0.5	0.0	1.0	36.4	8.1	-47.9 48.5	279	0.657	0.0	1.0	38.4	23.4	-40.4 46.8	300	0.5	0.0	1.0	0.658	0.0	1.0	38.4	23.5	-40.4 46.8	300	0.5	0.0	1.0
281	301	301	0.516	0.0	1.0	36.5	9.8	-47.3 48.3	281	0.664	0.0	1.0	38.6	24.1	-40.0 46.8	301	0.517	0.0	1.0	0.665	0.0	1.0	38.6	24.2	-40.0 46.8	301	0.517	0.0	1.0
283	302	302	0.533	0.0	1.0	36.6	11.5	-46.7 48.1	283	0.671	0.0	1.0	38.8	24.8	-39.6 46.8	302	0.533	0.0	1.0	0.672	0.0	1.0	38.8	24.9	-39.6 46.8	302	0.533	0.0	1.0
285	303	303	0.55	0.0	1.0	36.8	13.1	-46.0 47.8	285	0.678	0.0	1.0	39.1	25.5	-39.2 46.9	303	0.55	0.0	1.0	0.678	0.0	1.0	39.1	25.5	-39.2 46.9	303	0.55	0.0	1.0
288	304	303	0.566	0.0	1.0	36.9	14.7	-45.2 47.6	288	0.685	0.0	1.0	39.3	26.2	-38.8 46.9	304	0.567	0.0	1.0	0.685	0.0	1.0	39.3	26.2	-38.8 46.9	303	0.567	0.0	1.0
290	305	304	0.583	0.0	1.0	37.0	16.3	-44.4 47.3	290	0.692	0.0	1.0	39.5	26.9	-38.3 46.9	305	0.583	0.0	1.0	0.692	0.0	1.0	39.5	26.8	-38.3 46.9	304	0.583	0.0	1.0
292	306	305	0.6	0.0	1.0	37.1	17.8	-43.6 47.1	292	0.699	0.0	1.0	39.8	27.6	-37.8 46.9	306	0.6	0.0	1.0	0.698	0.0	1.0	39.7	27.5	-37.9 46.9	305	0.6	0.0	1.0
294	307	306	0.616	0.0	1.0	37.2	19.3	-42.6 46.8	294	0.706	0.0	1.0	40.0	28.2	-37.4 46.9	307	0.617	0.0	1.0	0.705	0.0	1.0	39.9	28.1	-37.5 46.9	306	0.617	0.0	1.0
296	308	307	0.633	0.0	1.0	37.5	20.9	-41.8 46.7	296	0.713	0.0	1.0	40.2	28.9	-36.9 46.9	308	0.633	0.0	1.0	0.712	0.0	1.0	40.2	28.7	-37.0 46.9	307	0.633	0.0	1.0
299	309	308	0.65	0.0	1.0	38.1	22.6	-40.9 46.8	299	0.72	0.0	1.0	40.5	29.5	-36.4 46.9	309	0.65	0.0	1.0	0.718	0.0	1.0	40.4	29.3	-36.5 46.9	308	0.65	0.0	1.0
301	310	309	0.666	0.0	1.0	38.6	24.3	-39.9 46.8	301	0.728	0.0	1.0	40.7	30.2	-35.9 46.9	310	0.667	0.0	1.0	0.725	0.0	1.0	40.6	30.0	-36.0 46.9	309	0.667	0.0	1.0
303	311	310	0.683	0.0	1.0	39.2	26.0	-38.9 46.8	303	0.735	0.0	1.0	40.9	30.8	-35.3 47.0	311	0.683	0.0	1.0	0.732	0.0	1.0	40.8	30.6	-35.6 47.0	310	0.683	0.0	1.0
306	312	311	0.7	0.0	1.0	39.7	27.6	-37.8 46.8	306	0.742	0.0	1.0	41.2	31.4	-34.8 47.0	312	0.7	0.0	1.0	0.738	0.0	1.0	41.0	31.2	-35.1 47.0	311	0.7	0.0	1.0
308	313	312	0.716	0.0	1.0	40.3	29.1	-36.7 46.9	308	0.749	0.0	1.0	41.4	32.0	-34.3 47.0	313	0.717	0.0	1.0	0.745	0.0	1.0	41.3	31.7	-34.5 47.0	312	0.717	0.0	1.0
310	314	313	0.733	0.0	1.0	40.8	30.6	-35.5 46.9	310	0.755	0.0	1.0	41.6	32.9	-33.9 47.3	314	0.733	0.0	1.0	0.752	0.0	1.0	41.5	32.4	-34.1 47.1	313	0.733	0.0	1.0
313	315	314	0.75	0.0	1.0	41.4	32.1	-34.2 46.9	313	0.762	0.0	1.0	41.8	33.7	-33.6 47.7	315	0.75	0.0	1.0	0.758	0.0	1.0	41.7	33.2	-33.8 47.4	314	0.75	0.0	1.0
315	316	315	0.766	0.0	1.0	42.0	34.3	-33.4 47.9	315	0.768	0.0	1.0	42.1	34.6	-33.3 48.0	316	0.767	0.0	1.0	0.764	0.0	1.0	41.9	34.0	-33.5 47.8	315	0.767	0.0	1.0
318	317	316	0.783	0.0	1.0	42.5	36.5	-32.5 48.9	318	0.775	0.0	1.0	42.3	35.4	-32.9 48.4	317	0.783	0.0	1.0	0.77	0.0	1.0	42.1	34.8	-33.2 48.2	316	0.783	0.0	1.0
320	318	317	0.8	0.0	1.0	43.1	38.6	-31.4 49.8	320	0.781	0.0	1.0	42.5	36.3	-32.5 48.8	318	0.8	0.0	1.0	0.776	0.0	1.0	42.3	35.6	-32.8 48.5	317	0.8	0.0	1.0
323	319	318	0.816	0.0	1.0	43.7	40.8	-30.2 50.8	323	0.788	0.0	1.0	42.7	37.1	-32.2 49.2	319	0.817	0.0	1.0	0.782	0.0	1.0	42.5	36.4	-32.5 48.9	318	0.817	0.0	1.0
326	320	319	0.833	0.0	1.0	44.3	42.9	-28.9 51.7	326	0.794	0.0	1.0	43.0	37.9	-31.7 49.5	320	0.833	0.0	1.0	0.789	0.0	1.0	42.8	37.2	-32.1 49.2	319	0.833	0.0	1.0
328	321	320	0.85	0.0	1.0	44.8	45.0	-27.4 52.7	328	0.801	0.0	1.0	43.2	38.8	-31.3 49.9	321	0.85	0.0	1.0	0.795	0.0	1.0	43.0	38.0	-31.7 49.6	320	0.85	0.0	1.0
331	322	321	0.866	0.0	1.0	45.4	47.0	-25.9 53.7	331	0.807	0.0	1.0	43.4	39.6	-30.9 50.3	322	0.867	0.0	1.0	0.801	0.0	1.0	43.2	38.8	-31.3 49.9	321	0.867	0.0	1.0
333	323	321	0.883	0.0	1.0	46.0	49.6	-24.5 55.3	333	0.814	0.0	1.0	43.6	40.5	-30.4 50.7	323	0.883	0.0	1.0	0.807	0.0	1.0	43.4	39.6	-30.9 50.3	321	0.883	0.0	1.0
336	324	322	0.9	0.0	1.0	46.6	52.8	-23.2 57.7	336	0.82	0.0	1.0	43.8	41.3	-29.9 51.0	324	0.9	0.0	1.0	0.813	0.0	1.0	43.6	40.4	-30.4 50.6	322	0.9	0.0	1.0
338	325	323	0.916	0.0	1.0	47.2	56.0	-21.7 60.0	338	0.827	0.0	1.0	44.1	42.1	-29.4 51.4	325	0.917	0.0	1.0	0.819	0.0	1.0	43.8	41.2	-30.0 51.0	323	0.917	0.0	1.0
341	326	324	0.933	0.0	1.0	47.8	59.1	-19.9 62.4	341	0.833	0.0	1.0	44.3	42.9	-28.9 51.8	326	0.933	0.0	1.0	0.826	0.0	1.0	44.0	42.0	-29.5 51.3	324	0.933	0.0	1.0
343	327	325	0.95	0.0	1.0	48.4	62.2	-17.9 64.8	343	0.84	0.0	1.0	44.5	43.7	-28.3 52.2	327	0.95	0.0	1.0	0.832	0.0	1.0	44.2	42.7	-29.0 51.7	325	0.95	0.0	1.0
346	328	326	0.966	0.0	1.0	48.9	65.3	-15.7 67.1	346	0.846	0.0	1.0	44.7	44.5	-27.7 52.5	328	0.967	0.0	1.0	0.838	0.0	1.0	44.5	43.5	-28.5 52.0	326	0.967	0.0	1.0
349	329	327	0.983	0.0	1.0	49.5	68.2	-13.2 69.5	349	0.853	0.0	1.0	45.0	45.3	-27.1 52.9	329	0.983	0.0	1.0	0.844	0.0	1.0	44.7	44.3	-27.9 52.4	327	0.983	0.0	1.0
351	330	328	1.0	0.0	1.0	50.1	71.1	-10.5 71.8	351	0.859	0.0	1.0	45.2	46.1	-26.5 53.3	330	1.0	0.0	1.0	0.85	0.0	1.0	44.9	45.0	-27.4 52.8	328	1.0	0.0	1.0
351	331	329	1.0	0.0	0.983	49.9	71.5	-10.1 72.2	351	0.866	0.0	1.0	45.4	46.9	-25.9 53.7	331	1.0	0.0	0.983	0.856	0.0	1.0	45.1	45.8	-26.8 53.1	329	1.0	0.0	0.983
352	332	330	1.0	0.0	0.966	49.7	71.9	-9.8 72.5	352	0.872	0.0	1.0	45.6	47.7	-25.3 54.0	332	1.0	0.0	0.967	0.862	0.0	1.0	45.3	46.5	-26.2 53.5	330	1.0	0.0	0.967
352	333	331	1.0	0.0	0.95	49.6	72.3	-9.4 72.9	352	0.879	0.0	1.0	45.9	48.7	-24.7 54.7	333	1.0	0.0	0.95	0.869	0.0	1.0	45.5	47.3	-25.6 53.8	331	1.0	0.0	0.95
352	334	332	1.0	0.0	0.933	49.4	72.7	-9.0 73.2	352	0.885	0.0	1.0	46.1	50.0	-24.3 55.6	334	1.0	0.0	0.933	0.875	0.0	1.0	45.7	48.0	-25.0 54.2	332	1.0	0.0	0.933
353	335	333	1.0	0.0	0.916	49.2	73.1	-8.6 73.6	353	0.892	0.0	1.0	46.3	51.3	-23.8 56.6	335	1.0	0.0	0.917	0.881	0.0	1.0	46.0	49.2	-24.6 55.0	333	1.0	0.0	0.917
353	336	334	1.0	0.0	0.9	49.0	73.4	-8.2 73.9	353	0.898	0.0	1.0	46.6	52.5	-23.3 57.5	336	1.0	0.0	0.9	0.887	0.0	1.0	46.2	50.4	-24.1 55.9	334	1.0	0.0	0.9
353	337	335	1.0	0.0	0.883	48.8	73.8	-7.9 74.3	353	0.905	0.0	1.0	46.8	53.8	-22.7 58.4	337	1.0	0.0	0.883	0.893	0.0	1.0	46.4	51.6	-23.7 56.8	335	1.0	0.0	0.883
354	338	336	1.0	0.0	0.866	48.6	74.0	-7.3 74.3	354	0.911	0.0	1.0	47.0	55.0	-22.1 59.3	338	1.0	0.0	0.867	0.899	0.0	1.0	46.6	52.8	-23.2 57.7	336	1.0	0.0	0.867
354	339	337	1.0	0.0	0.85	48.6	73.8	-6.5 74.1	354	0.918	0.0	1.0	47.3	56.3	-21.5 60.3	339	1.0	0.0	0.85	0.906	0.0	1.0	46.8	53.9	-22.6 58.5	337	1.0	0.0	0.85
355	340	338	1.0	0.0	0.833	48.5	73.6	-5.7 73.9	355	0.924	0.0	1.0	47.5	57.5	-20.8 61.2	340	1.0	0.0	0.833	0.912	0.0	1.0	47.1	55.1	-22.1 59.4	338	1.0	0.0	0.833
356	341	339	1.0	0.0	0.816	48.5	73.5	-4.9 73.6	356	0.931	0.0	1.0	47.7	58.7	-20.1 62.1	341	1.0	0.0	0.817	0.918	0.0	1.0	47.3	56.3	-21.5 60.3	339	1.0	0.0	0.817
356	342	339	1.0	0.0	0.8</																								

Data of Maximum color M in colorimetric system Offset standard print; separation cmyrn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_i: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours RYGBM_d: $h_{ab,d} = 33.9, 100.4, 145.5, 208.3, 264.1, 351.6$; 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)	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$															
358	345	342	1.0	0.0	0.75	48.3	72.7	-1.8	72.7	358	0.957	0.0	1.0	48.7	63.6	-16.9	65.8	345	1.0	0.0	0.75	48.3	72.7	-1.8	72.7	358
359	346	343	1.0	0.0	0.733	48.3	72.4	-0.8	72.4	359	0.964	0.0	1.0	48.9	64.7	-16.0	66.7	346	1.0	0.0	0.733	48.3	72.4	-0.8	72.4	359
360	347	344	1.0	0.0	0.716	48.3	72.1	0.1	72.1	360	0.97	0.0	1.0	49.1	65.9	-15.1	67.7	347	1.0	0.0	0.717	48.3	72.1	0.1	72.1	360
360	348	345	1.0	0.0	0.7	48.3	71.8	1.1	71.8	360	0.977	0.0	1.0	49.4	67.1	-14.2	68.6	348	1.0	0.0	0.7	48.3	71.8	1.1	71.8	360
361	349	346	1.0	0.0	0.683	48.3	71.5	2.1	71.5	361	0.983	0.0	1.0	49.6	68.2	-13.2	69.5	349	1.0	0.0	0.683	48.3	71.5	2.1	71.5	361
362	350	347	1.0	0.0	0.666	48.3	71.1	3.1	71.2	362	0.99	0.0	1.0	49.8	69.4	-12.1	70.4	350	1.0	0.0	0.667	48.3	71.1	3.1	71.2	362
363	351	348	1.0	0.0	0.65	48.3	70.8	4.1	70.9	363	0.996	0.0	1.0	50.0	70.5	-11.1	71.4	351	1.0	0.0	0.65	48.3	70.8	4.1	70.9	363
364	352	349	1.0	0.0	0.633	48.3	70.4	5.1	70.6	364	1.0	0.0	0.979	49.9	71.6	-10.0	72.3	352	1.0	0.0	0.633	48.3	70.4	5.1	70.6	364
364	353	350	1.0	0.0	0.616	48.3	70.1	6.0	70.4	364	1.0	0.0	0.928	49.3	72.8	-8.8	73.4	353	1.0	0.0	0.617	48.3	70.1	6.0	70.4	364
365	354	351	1.0	0.0	0.6	48.3	69.9	6.8	70.3	365	1.0	0.0	0.878	48.8	74.0	-7.7	74.4	354	1.0	0.0	0.6	48.3	69.9	6.8	70.3	365
366	355	352	1.0	0.0	0.583	48.3	69.7	7.7	70.1	366	1.0	0.0	0.849	48.6	73.8	-6.4	74.1	355	1.0	0.0	0.583	48.3	69.7	7.7	70.1	366
367	356	353	1.0	0.0	0.566	48.3	69.5	8.5	70.0	367	1.0	0.0	0.821	48.6	73.6	-5.0	73.7	356	1.0	0.0	0.567	48.3	69.5	8.5	70.0	367
367	357	354	1.0	0.0	0.55	48.3	69.2	9.4	69.9	367	1.0	0.0	0.793	48.5	73.2	-3.7	73.3	357	1.0	0.0	0.55	48.3	69.2	9.4	69.9	367
368	358	355	1.0	0.0	0.533	48.3	69.0	10.2	69.7	368	1.0	0.0	0.765	48.4	72.9	-2.4	73.0	358	1.0	0.0	0.533	48.3	69.0	10.2	69.7	368
369	359	356	1.0	0.0	0.516	48.3	68.7	11.0	69.6	369	1.0	0.0	0.741	48.3	72.6	-1.2	72.6	359	1.0	0.0	0.517	48.3	68.7	11.0	69.6	369
369	360	352	1.0	0.0	0.5	48.3	68.4	11.9	69.5	369	1.0	0.0	0.72	48.3	72.2	0.0	72.2	360	1.0	0.0	0.5	48.3	68.4	11.9	69.5	369
370	361	353	1.0	0.0	0.483	48.3	68.1	13.0	69.4	370	1.0	0.0	0.699	48.3	71.8	1.3	71.8	361	1.0	0.0	0.483	48.3	68.1	13.0	69.4	370
371	362	354	1.0	0.0	0.466	48.3	67.8	14.2	69.3	371	1.0	0.0	0.678	48.4	71.4	2.5	71.5	362	1.0	0.0	0.467	48.3	67.8	14.2	69.3	371
372	363	355	1.0	0.0	0.45	48.4	67.4	15.3	69.2	372	1.0	0.0	0.657	48.4	71.0	3.7	71.1	363	1.0	0.0	0.45	48.4	67.4	15.3	69.2	372
373	364	356	1.0	0.0	0.433	48.4	67.1	16.5	69.1	373	1.0	0.0	0.636	48.4	70.6	4.9	70.7	364	1.0	0.0	0.433	48.4	67.1	16.5	69.1	373
374	365	357	1.0	0.0	0.416	48.4	66.7	17.6	69.0	374	1.0	0.0	0.614	48.4	70.2	6.1	70.4	365	1.0	0.0	0.417	48.4	66.7	17.6	69.0	374
375	366	358	1.0	0.0	0.4	48.4	66.3	18.8	68.9	375	1.0	0.0	0.591	48.4	69.9	7.3	70.2	366	1.0	0.0	0.4	48.4	66.3	18.8	68.9	375
376	367	359	1.0	0.0	0.383	48.4	65.9	19.9	68.8	376	1.0	0.0	0.567	48.4	69.5	8.5	70.1	367	1.0	0.0	0.383	48.4	65.9	19.9	68.8	376
377	368	360	1.0	0.0	0.366	48.4	65.6	21.1	68.9	377	1.0	0.0	0.544	48.4	69.2	9.7	69.9	368	1.0	0.0	0.367	48.4	65.6	21.1	68.9	377
378	369	362	1.0	0.0	0.35	48.4	65.5	22.3	69.2	378	1.0	0.0	0.52	48.4	68.8	10.9	69.7	369	1.0	0.0	0.35	48.4	65.5	22.3	69.2	378
379	370	363	1.0	0.0	0.333	48.4	65.3	23.5	69.4	379	1.0	0.0	0.498	48.4	68.4	12.1	69.5	370	1.0	0.0	0.333	48.4	65.3	23.5	69.4	379
380	371	364	1.0	0.0	0.316	48.3	65.1	24.8	69.7	380	1.0	0.0	0.481	48.4	68.1	13.2	69.4	371	1.0	0.0	0.317	48.4	65.1	24.8	69.7	380
381	372	365	1.0	0.0	0.3	48.3	65.0	26.0	70.0	381	1.0	0.0	0.464	48.4	67.8	14.4	69.3	372	1.0	0.0	0.3	48.3	65.0	26.0	70.0	381
382	373	366	1.0	0.0	0.283	48.3	64.7	27.3	70.3	382	1.0	0.0	0.448	48.4	67.4	15.6	69.2	373	1.0	0.0	0.283	48.3	64.7	27.3	70.3	382
383	374	367	1.0	0.0	0.266	48.3	64.5	28.5	70.5	383	1.0	0.0	0.431	48.4	67.1	16.7	69.1	374	1.0	0.0	0.267	48.3	64.5	28.5	70.5	383
384	375	368	1.0	0.0	0.25	48.3	64.2	29.8	70.8	384	1.0	0.0	0.414	48.4	66.7	17.9	69.0	375	1.0	0.0	0.25	48.3	64.2	29.8	70.8	384
385	376	369	1.0	0.0	0.233	48.3	64.2	30.8	71.2	385	1.0	0.0	0.397	48.5	66.3	19.0	68.9	376	1.0	0.0	0.233	48.3	64.2	30.8	71.2	385
386	377	370	1.0	0.0	0.216	48.3	64.1	31.9	71.6	386	1.0	0.0	0.38	48.5	65.8	20.1	68.8	377	1.0	0.0	0.217	48.3	64.1	31.9	71.6	386
387	378	372	1.0	0.0	0.2	48.3	64.0	33.0	72.0	387	1.0	0.0	0.364	48.5	65.6	21.3	69.0	378	1.0	0.0	0.2	48.3	64.0	33.0	72.0	387
388	379	373	1.0	0.0	0.183	48.3	63.9	34.0	72.4	388	1.0	0.0	0.347	48.4	65.5	22.6	69.3	379	1.0	0.0	0.183	48.3	63.9	34.0	72.4	388
388	380	374	1.0	0.0	0.166	48.4	63.8	35.1	72.8	388	1.0	0.0	0.331	48.4	65.3	23.8	69.5	380	1.0	0.0	0.167	48.4	63.8	35.1	72.8	388
389	381	375	1.0	0.0	0.15	48.4	63.6	36.2	73.2	389	1.0	0.0	0.314	48.4	65.2	25.0	69.8	381	1.0	0.0	0.15	48.4	63.6	36.2	73.2	389
390	382	376	1.0	0.0	0.133	48.4	63.4	37.3	73.6	390	1.0	0.0	0.298	48.4	65.0	26.3	70.1	382	1.0	0.0	0.133	48.4	63.4	37.3	73.6	390
391	383	377	1.0	0.0	0.116	48.4	63.4	38.1	74.0	391	1.0	0.0	0.281	48.3	64.8	27.5	70.4	383	1.0	0.0	0.117	48.4	63.4	38.1	74.0	391
391	384	378	1.0	0.0	0.1	48.4	63.4	38.7	74.3	391	1.0	0.0	0.264	48.3	64.5	28.7	70.6	384	1.0	0.0	0.1	48.4	63.4	38.7	74.3	391
391	385	379	1.0	0.0	0.083	48.3	63.4	39.4	74.6	391	1.0	0.0	0.247	48.3	64.3	30.0	70.9	385	1.0	0.0	0.083	48.3	63.4	39.4	74.6	391
392	386	381	1.0	0.0	0.066	48.3	63.4	40.0	74.9	392	1.0	0.0	0.226	48.3	64.2	31.3	71.4	386	1.0	0.0	0.067	48.3	63.4	40.0	74.9	392
392	387	382	1.0	0.0	0.049	48.2	63.4	40.6	75.3	392	1.0	0.0	0.206	48.4	64.1	32.7	71.9	387	1.0	0.0	0.05	48.3	63.4	40.6	75.3	392
393	388	383	1.0	0.0	0.033	48.2	63.3	41.2	75.6	393	1.0	0.0	0.185	48.4	64.0	34.0	72.4	388	1.0	0.0	0.033	48.2	63.3	41.2	75.6	393
393	389	384	1.0	0.0	0.016	48.1	63.3	41.8	75.9	393	1.0	0.0	0.164	48.4	63.8	35.4	72.9	389	1.0	0.0	0.017	48.1	63.3	41.8	75.9	393
393	390	385	1.0	0.0	0.0	48.1	63.3	42.5	76.2	393	1.0	0.0	0.143	48.5	63.6	36.7	73.4	390	1.0	0.0	0.0	48.1	63.3	42.5	76.2	393

RE610-73 1-1131634-L0 LAB*la0, YN=0%, XYZnw=2.0, 2.1, 2.1, 85.9, 90.9, 95.1, LAB*nw=15.8, 0.0, 0.0, 96.4, 0.0, 0.0, not adapted=adapted Output: Offset standard print; separation cmyrn6*, D65, page 17/33

TUB-test chart RE61; 1080 standard colours, $cf=1$
48 step hue circles; rgb^*_{dd361M} - $LabCh^*$ -tables

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

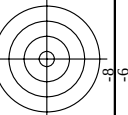
see similar files: <http://130.149.60.45/~farbmatrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart RE61; 1080 standard colours, $cf=1$
colors and differences, ΔE^*

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

[illegible]

Mean color difference of this page:



TUB material: code=rha4ta
on rgb* (RGB)

A target diagram consisting of three concentric circles. A horizontal line and a vertical line intersect at the center, dividing the target into four quadrants. To the right of the target, there are two small circles, one above the other, representing the 'miss' and 'hit' markers.

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

REF610-7N Page 25/33-F

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http://130.149.60.45/~farbmatrik/RE61/RE61L0FA.TXT /PS; 3D-linearization
F: 3D-linearization RE61/RE61LE30FA.DAT in file (F), page 27/33

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

TU8 test chart RE61; 1080 standard colours, $cf=1$ colors and differences. ΔE^*

[illegible]

PAGE10-7N Page 37/33-E

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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http://130.149.60.45/~farbmatrik/RE61/RE61L0FA.TXT /PS; 3D-linearization
F: 3D-linearization RE61/RE61LE30FA.DAT in file (F), page 29/33

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

TTUB-test chart RE61; 1080 standard colours, $cf=1$
colors and differences, ΔE^*

n	HIC*Fide	rgb_Fide	iCr_Fide	I _{8a} _Fide	LabCh*Fide		rgb*Fide	DE*Fide	rgb*Mid	LabCh*Mid	delta
					LabCh*Fide	rgb*Fide					
729	NW_100de	1.0	1.0	360	0.0	96.3	1.0	1.0	1.0	96.3	0.0
730	G50B_10.012de	0.875	1.0	360	0.0	96.3	0.875	0.959	0.99	91.7	-6.0
731	G50B_10.025de	0.75	1.0	360	0.0	96.3	0.75	0.859	0.97	85.5	-12.1
732	G50B_10.037de	0.625	1.0	360	0.0	96.3	0.625	0.833	0.897	80.3	-16.7
733	G50B_10.050de	0.5	1.0	360	0.0	96.3	0.5	0.75	0.81	75.8	-19.4
734	G50B_10.062de	0.375	1.0	360	0.0	96.3	0.375	0.625	0.687	71.0	-24.2
735	G50B_10.075de	0.25	1.0	360	0.0	96.3	0.25	0.5	0.56	66.5	-29.1
736	G50B_10.087de	0.125	1.0	360	0.0	96.3	0.125	0.375	0.437	61.4	-34.3
737	G50B_10.100de	0.0	1.0	360	0.0	96.3	0.0	0.125	0.187	56.2	-39.4
738	ROY_10.012de	1.0	0.875	360	0.0	96.3	1.0	0.875	0.875	89.8	8.7
739	NW_087de	0.875	0.875	360	0.0	96.3	0.875	0.875	0.875	86.6	0.0
740	G50B_087.012de	0.75	0.875	360	0.0	96.3	0.75	0.875	0.875	87.1	-11.9
741	G50B_087.025de	0.625	0.875	360	0.0	96.3	0.625	0.875	0.875	80.9	-17.8
742	G50B_087.037de	0.5	0.875	360	0.0	96.3	0.5	0.875	0.875	70.9	-23.7
743	G50B_087.050de	0.375	0.875	360	0.0	96.3	0.375	0.875	0.875	65.7	-28.1
744	G50B_087.062de	0.25	0.875	360	0.0	96.3	0.25	0.875	0.875	60.6	-35.1
745	G50B_087.075de	0.125	0.875	360	0.0	96.3	0.125	0.875	0.875	55.3	-41.2
746	G50B_087.087de	0.0	0.875	360	0.0	96.3	0.0	0.875	0.875	50.3	-42.6
747	ROY_10.025de	1.0	0.75	360	0.0	96.3	1.0	0.75	0.75	82.2	16.9
748	NW_075de	0.875	0.75	360	0.0	96.3	0.875	0.75	0.75	80.1	9.6
749	G50B_075.012de	0.75	0.75	360	0.0	96.3	0.75	0.75	0.75	78.4	-0.6
750	G50B_075.025de	0.625	0.75	360	0.0	96.3	0.625	0.75	0.75	73.7	-5.1
751	G50B_075.037de	0.5	0.75	360	0.0	96.3	0.5	0.75	0.75	68.9	-9.7
752	G50B_075.050de	0.375	0.75	360	0.0	96.3	0.375	0.75	0.75	63.7	-14.5
753	G50B_075.062de	0.25	0.75	360	0.0	96.3	0.25	0.75	0.75	58.7	-19.4
754	G50B_075.075de	0.125	0.75	360	0.0	96.3	0.125	0.75	0.75	53.7	-24.2
755	G50B_075.087de	0.0	0.75	360	0.0	96.3	0.0	0.75	0.75	48.4	-29.1
756	ROY_10.037de	1.0	0.625	360	0.0	96.3	1.0	0.625	0.625	74.7	25.4
757	G50B_062.012de	0.875	0.625	360	0.0	96.3	0.875	0.625	0.625	74.7	25.4
758	ROY_075.012de	0.625	0.625	360	0.0	96.3	0.625	0.625	0.625	68.3	10.0
759	G50B_062.025de	0.5	0.625	360	0.0	96.3	0.5	0.625	0.625	61.3	0.0
760	G50B_062.037de	0.375	0.625	360	0.0	96.3	0.375	0.625	0.625	55.8	-12.9
761	G50B_062.050de	0.25	0.625	360	0.0	96.3	0.25	0.625	0.625	50.7	-14.5
762	G50B_062.062de	0.125	0.625	360	0.0	96.					

see similar files: <http://130.149.60.45/~farbmetrik/RE61/RE61.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

<http://130.149.60.45/~farbmatrik/RE61/RE61L0FA.TXT> /.PS; 3D-linearization
F: 3D-linearization RE61/RE61LE30FA.DAT in file (F), page 31/33

n	HC*File	rgb_*File	lcr_*File	hsa_*File	rgb_*File	LabCH*File	LabCH*File	rgb_*File	DF*File	hsm*File	LabCH*File	rgb_*File	LabCH*File
891	NW_100de	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	360	1.0	1.0	1.0
892	B50R_100.012de	1.0	0.875	1.0	0.981	0.875	1.0	0.981	0.3	360	1.0	1.0	1.0
893	B50R_100.025de	1.0	0.75	1.0	0.962	0.75	1.0	0.962	0.3	360	1.0	1.0	1.0
894	B50R_100.037de	1.0	0.625	1.0	0.943	0.625	1.0	0.943	0.3	360	1.0	1.0	1.0
895	B50R_100.050de	1.0	0.5	1.0	0.925	0.5	1.0	0.925	0.3	360	1.0	1.0	1.0
896	B50R_100.062de	1.0	0.375	1.0	0.906	0.375	1.0	0.906	0.3	360	1.0	1.0	1.0
897	B50R_100.075de	1.0	0.25	1.0	0.887	0.25	1.0	0.887	0.3	360	1.0	1.0	1.0
898	B50R_100.087de	1.0	0.125	1.0	0.868	0.125	1.0	0.868	0.3	360	1.0	1.0	1.0
899	B50R_100.100de	1.0	0.0	1.0	0.85	0.0	1.0	0.85	0.3	360	1.0	1.0	1.0
900	GOB_100.012de	0.875	1.0	0.875	1.0	0.969	0.875	1.0	0.3	360	1.0	1.0	1.0
901	NW_087de	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.3	360	1.0	1.0	1.0
902	B50R_087.012de	0.875	0.75	0.875	0.856	0.75	0.875	0.856	0.3	360	1.0	1.0	1.0
903	B50R_087.025de	0.875	0.625	0.875	0.837	0.625	0.875	0.837	0.3	360	1.0	1.0	1.0
904	B50R_087.037de	0.875	0.5	0.875	0.818	0.5	0.875	0.818	0.3	360	1.0	1.0	1.0
905	B50R_087.050de	0.875	0.375	0.875	0.8	0.375	0.875	0.8	0.3	360	1.0	1.0	1.0
906	B50R_087.062de	0.875	0.25	0.875	0.781	0.25	0.875	0.781	0.3	360	1.0	1.0	1.0
907	B50R_087.075de	0.875	0.125	0.875	0.762	0.125	0.875	0.762	0.3	360	1.0	1.0	1.0
908	B50R_087.087de	0.875	0.0	0.875	0.743	0.0	0.875	0.743	0.3	360	1.0	1.0	1.0
909	GOB_100.025de	0.75	1.0	0.75	0.75	1.0	0.938	0.869	0.3	360	1.0	1.0	1.0
910	GOB_100.037de	0.75	0.875	0.75	0.75	0.875	0.875	0.875	0.3	360	1.0	1.0	1.0
911	B50R_075.012de	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.3	360	1.0	1.0	1.0
912	B50R_075.025de	0.75	0.625	0.75	0.731	0.625	0.75	0.731	0.3	360	1.0	1.0	1.0
913	B50R_075.037de	0.75	0.5	0.75	0.712	0.5	0.75	0.712	0.3	360	1.0	1.0	1.0
914	B50R_075.050de	0.75	0.375	0.75	0.693	0.375	0.75	0.693	0.3	360	1.0	1.0	1.0
915	B50R_075.062de	0.75	0.25	0.75	0.675	0.25	0.75	0.675	0.3	360	1.0	1.0	1.0
916	B50R_075.075de	0.75	0.125	0.75	0.657	0.125	0.75	0.657	0.3	360	1.0	1.0	1.0
917	B50R_075.087de	0.75	0.0	0.75	0.639	0.0	0.75	0.639	0.3	360	1.0	1.0	1.0
918	GOB_100.037de	0.625	1.0	0.625	1.0	0.907	0.625	1.0	0.3	360	1.0	1.0	1.0
919	GOB_100.050de	0.625	0.875	0.625	0.875	0.875	0.875	0.875	0.3	360	1.0	1.0	1.0
920	GOB_075.012de	0.625	0.75	0.625	0.625	0.75	0.719	0.647	0.3	360	1.0	1.0	1.0
921	B50R_062.012de	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.3	360	1.0	1.0	1.0
922	B50R_062.025de	0.625	0.5	0.625	0.606	0.5	0.625	0.606	0.3	360	1.0	1.0	1.0
923	B50R_062.037de	0.625	0.375	0.625	0.587	0.375	0.625	0.587	0.3	360	1.0	1.0	1.0
924	B50R_062.050de	0.625	0.25	0.625	0.568	0.25	0.625	0.568	0.3	360	1.0	1.0	1.0
925	B50R_062.062de	0.625	0.125	0.625	0.55	0.125	0.625	0.55	0.3	360	1.0	1.0	1.0
926	B50R_062.075de	0.625	0.0	0.625	0.531	0.0	0.625	0.531	0.3	360	1.0	1.0	1.0
927	GOB_100.050de	0.5	1.0	0.5	0.5	1.0	0.877	0.774	0.3	360	1.0	1.0	1.0
928	GOB_087.037de	0.5	0.875	0.5	0.5	0.875	0.875	0.875	0.3	360	1.0	1.0	1.0
929	GOB_087.050de	0.5	0.75	0.5	0.5	0.75	0.75	0.75	0.3	360	1.0	1.0	1.0
930	GOB_062.012de	0.5	0.625	0.5	0.5	0.625	0.594	0.5	0.3	360	1.0	1.0	1.0
931	NW_050de	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	360	1.0	1.0	1.0
932	B50R_050.012de	0.5	0.375	0.5	0.481	0.375	0.5	0.481	0.3	360	1.0	1.0	1.0
933	B50R_050.025de	0.5	0.25	0.5	0.462	0.25	0.5	0.462	0.3	360	1.0	1.0	1.0
934	B50R_050.037de	0.5	0.125	0.5	0.443	0.125	0.5	0.443	0.3	360	1.0	1.0	1.0
935	B50R_050.050de	0.5	0.0	0.5	0.425	0.0	0.5	0.425	0.3	360	1.0	1.0	1.0
936	GOB_100.062de	0.375	1.0	0.375	1.0	0.846	0.375	1.0	0.3	360	1.0	1.0	1.0
937	GOB_087.050de	0.375	0.875	0.375	0.375	0.875	0.875	0.875	0.3	360	1.0	1.0	1.0
938	GOB_087.062de	0.375	0.75	0.375	0.375	0.75	0.75	0.75	0.3	360	1.0	1.0	1.0
939	GOB_087.075de	0.375	0.625	0.375	0.375	0.625	0.625	0.625	0.3	360	1.0	1.0	1.0
940	GOB_087.087de	0.375	0.5	0.375	0.375	0.5	0.5	0.5	0.3	360	1.0	1.0	1.0
941	NW_037de	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.3	360	1.0	1.0	1.0
942	B50R_037.012de	0.375	0.25	0.375	0.375	0.25	0.375	0.375	0.3	360	1.0	1.0	1.0
943	B50R_037.025de	0.375	0.125	0.375	0.375	0.125	0.375	0.375	0.3	360	1.0	1.0	1.0
944	B50R_037.037de	0.375	0.0	0.375	0.375	0.0	0.375	0.375	0.3	360	1.0	1.0	1.0
945	GOB_100.075de	0.25	1.0	0.25	0.25	1.0	0.815	0.721	0.3	360	1.0	1.0	1.0
946	GOB_100.087de	0.25	0.875	0.25	0.25	0.875	0.875	0.875	0.3	360	1.0	1.0	1.0
947	GOB_100.100de	0.25	0.75	0.25	0.25	0.75	0.75	0.75	0.3	360	1.0	1.0	1.0
948	GOB_062.012de	0.25	0.625	0.25	0.25	0.625	0.625	0.625	0.3	360	1.0	1.0	1.0
949	GOB_062.025de	0.25	0.5	0.25	0.25	0.5	0.5	0.5	0.3	360	1.0	1.0	1.0
950	GOB_062.037de	0.25	0.375	0.25	0.25	0.375	0.375	0.375	0.3	360	1.0	1.0	1.0
951	NW_025de	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.3	360	1.0	1.0	1.0
952	B50R_025.012de	0.25	0.125	0.25	0.25	0.125	0.25	0.25	0.3	360	1.0	1.0	1.0
953	B50R_025.025de	0.25	0.0	0.25	0.25	0.0	0.25	0.25	0.3	360	1.0	1.0	1.0
954	GOB_100.087de	0.125	1.0	0.125	0.125	1.0	0.785	0.69	0.3	360	1.0	1.0	1.0
955	GOB_100.100de	0.125	0.875	0.125	0.125	0.875	0.875	0.875	0.3	360	1.0	1.0	1.0
956	GOB_075.062de	0.125	0.75	0.125	0.125	0.75	0.75	0.75	0.3	360	1.0	1.0	1.0
957	GOB_062.050de	0.125	0.625	0.125	0.125	0.625	0.625	0.625	0.3	360	1.0	1.0	1.0
958	GOB_050.037de	0.125	0.5	0.125	0.125	0.5	0.5	0.5	0.3	360	1.0	1.0	1.0
959	GOB_037.025de	0.125	0.375	0.125	0.125	0.375	0.375	0.375	0.3	360	1.0	1.0	1.0
960	GOB_025.012de	0.125	0.25	0.125	0.125	0.25	0.25	0.25	0.3	360	1.0	1.0	1.0
961	NW_012de	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.3	360	1.0	1.0	1.0
962	B50R_012.012de	0.125	0.0	0.125	0.125	0.0	0.125	0.125	0.3	360	1.0	1.0	1.0
963	GOB_100.087de	0.0	1.0	0.0	0.0	1.0	0.754	0.66	0.3	360	1.0	1.0	1.0
964	GOB_100.100de	0.0	0.875	0.0	0.0	0.875	0.875	0.875	0.3	360	1.0	1.0	1.0
965	GOB_075.075de	0.0	0.75	0.0	0.0	0.75	0.75	0.75	0.3	360	1.0	1.0	1.0
966	GOB_062.062de	0.0	0.625	0.0	0.0	0.625	0.625	0.625	0.3	360	1.0	1.0	1.0
967	GOB_050.050de	0.0	0.5	0.0	0.0	0.5	0.5	0.5	0.3	360	1.0	1.0	1.0
968	GOB_037.037de	0.0	0.375	0.0	0.0	0.375	0.375	0.375	0.3	360	1.0	1.0	1.0
969	GOB_025.025de	0.0	0.25	0.0	0.0	0.25	0.25	0.25	0.3	360	1.0	1.0	1.0
970	NW_000de	0.0	0.125	0.0	0.0	0.125	0.125	0.125	0.3	360	1.0	1.0	1.0
971		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	360	1.0	1.0	1.0

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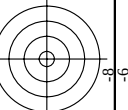
TUB-test chart RE61; 1080 standard colours, cf=1
colors and differences, ΔE^*

input: *rgb/cmyk* -> *rgbde*
output: 3D-linearization to *rgb*de*

Mean color difference of this page:

delta

25.0



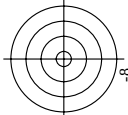
TUB material: code=rha4ta
on rgb* (RGB)

8
9

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


 TUB-test chart RE61; 1080 standard colours, $cf=1$
 colors and differences, ΔE^*
 input: $rgb/cmyk \rightarrow rgb_{de}$
 output: 3D-linearization to rgb^*_{de}
 1-133134-F0 RE510-7N, Page 32/33-F

IUB-test chart RE61; 1080 standard colours, $c^*_l=1$
colours and differences ΔE^*_{ab}



TUB material: code=rha4ta
n rgb* (RGB)

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

TUB-test chart RE61; 1080 standard colours, $cf=1$ colors and differences. ΔE^{*}

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[illegible]