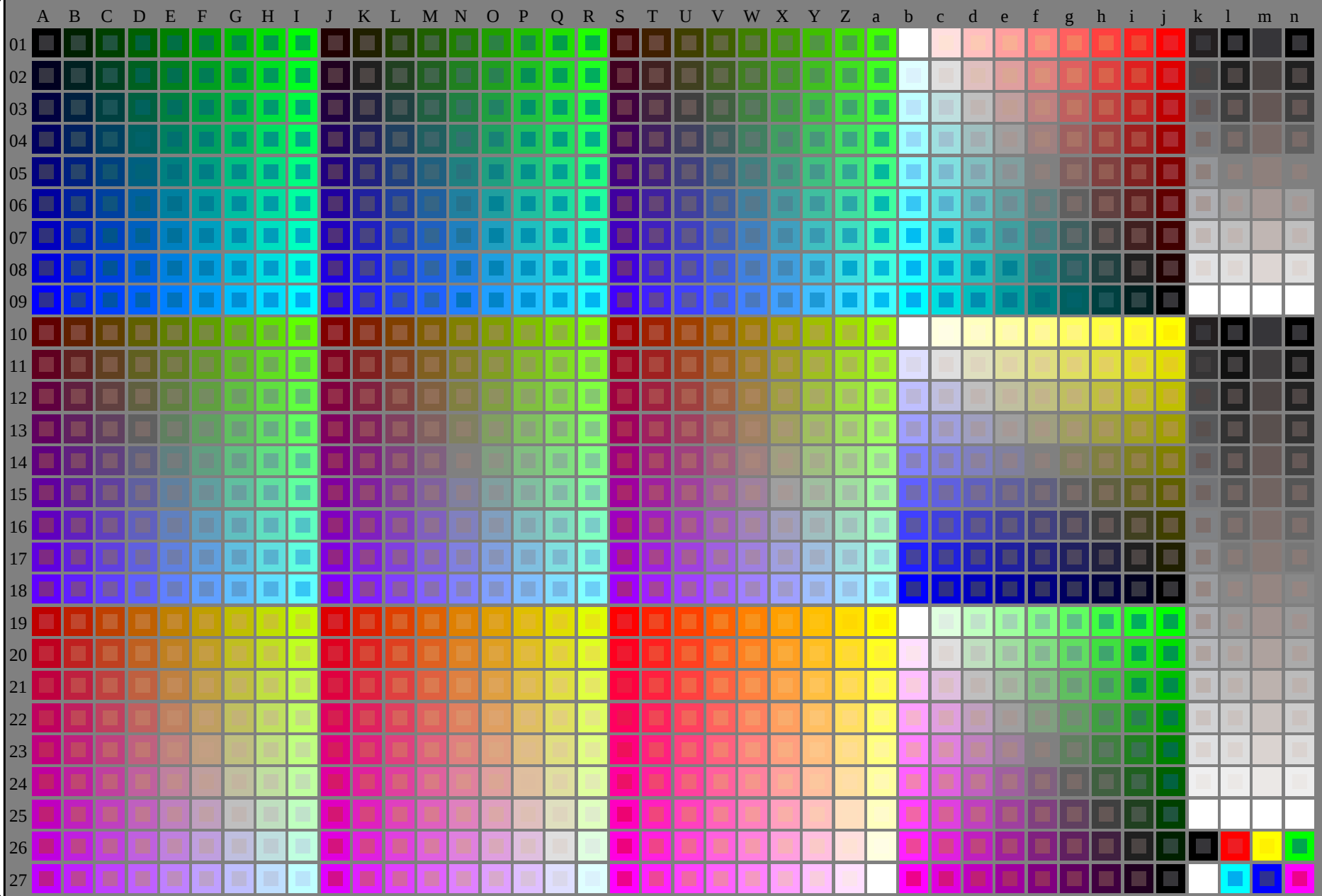


http://130.149.60.45/~farbmetrik/RE73/RE73L0NA.TXT /.PS; start output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/33

see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE73/RE73L0NA.TXT /.PS
application for measurement of laser printer output

TUB material: code=rha4ta



RE730-7N_RGB 1-003030-L0

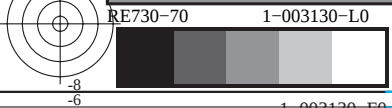
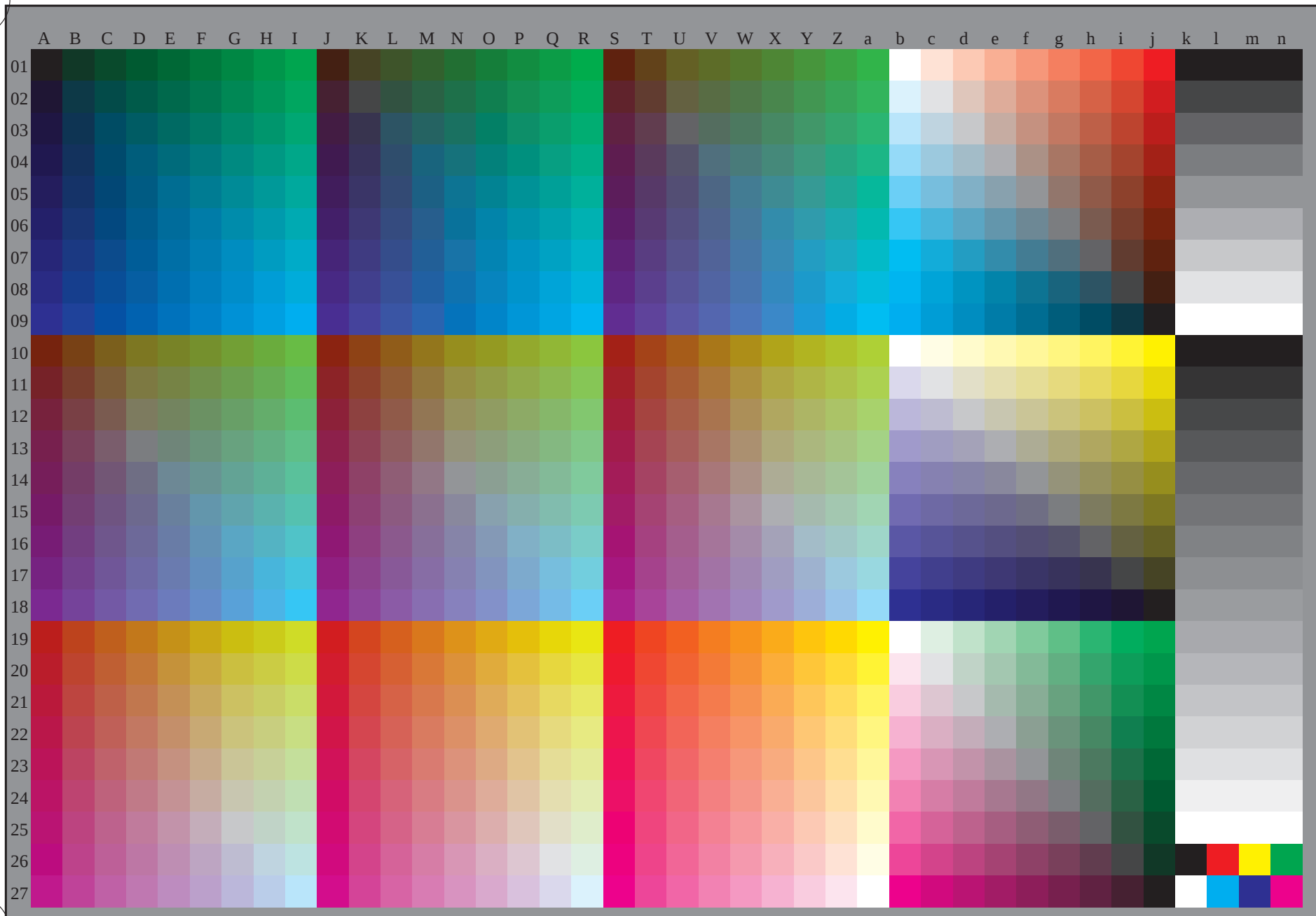
TUB-test chart RE73; 1080 standard colours, $cf=0,9$
Test chart according to DIN 33872

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 = 0

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

see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

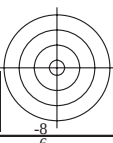
TUB registration: 20150701-RE73/RE73L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmykn6 (CMYK)



TUB-test chart RE73; 1080 standard colours, $cf=0,9$
Test chart according to DIN 33872, 3D=0, $de=0$, cmyk

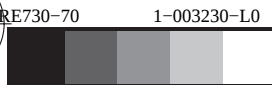
input: $rgb/cmyk \rightarrow rgb_d$
output: transfer to $cmyk_d$



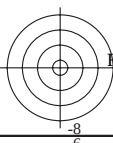


input: $rgb/cmyk \rightarrow rgb_d$
output: transfer to $cmyk_d$

TUB-test chart RE73; 1080 standard colours, $cf=0,9$
Test chart according to DIN 33872

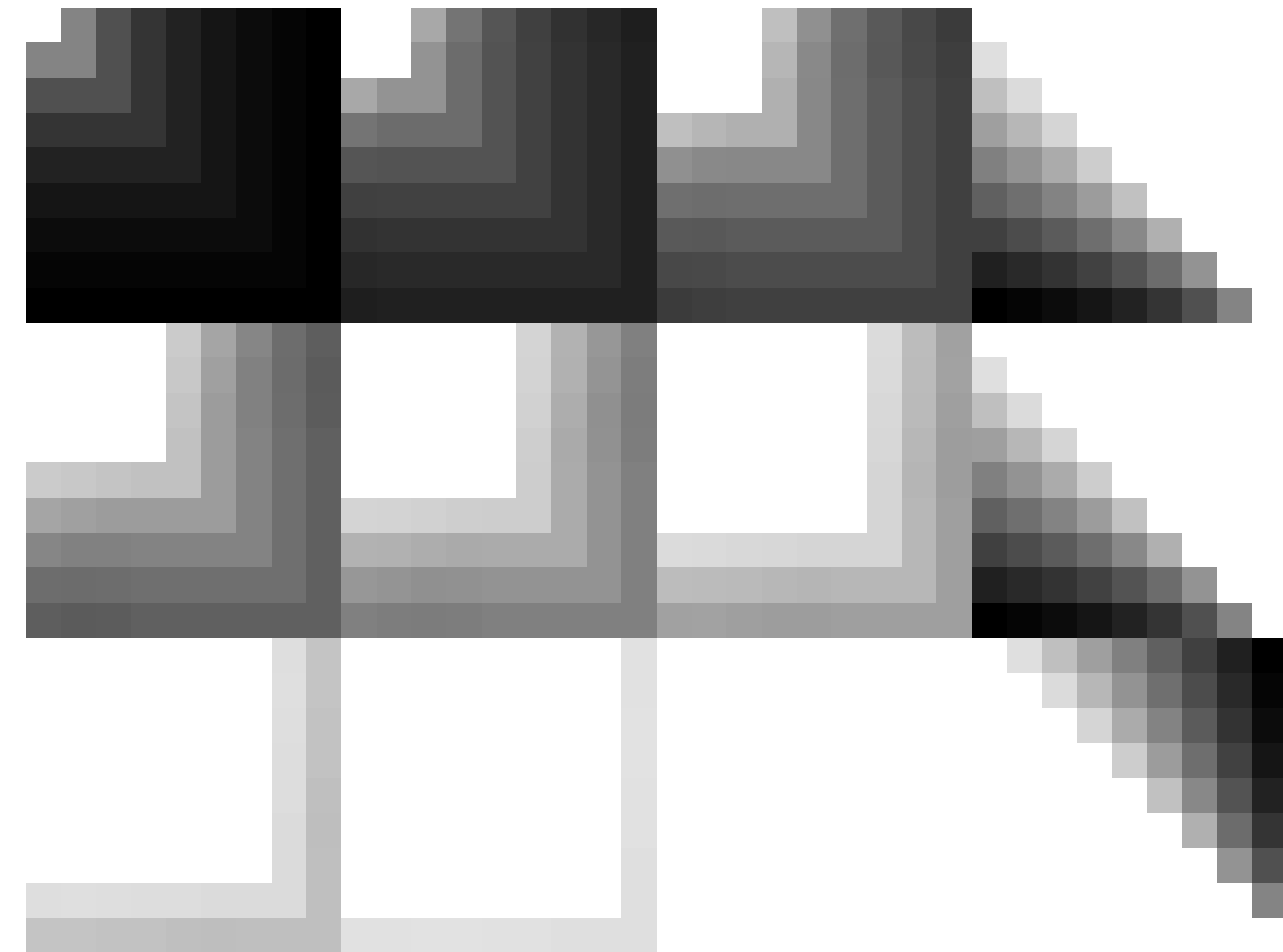


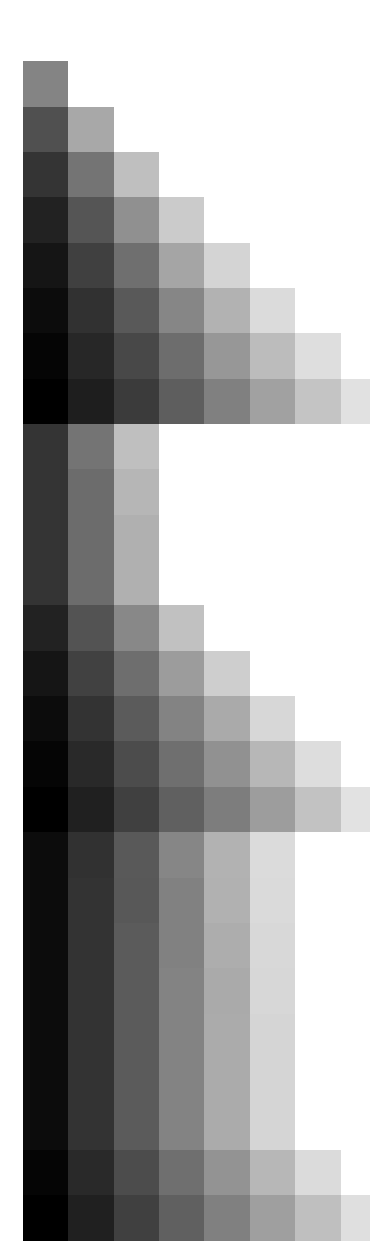
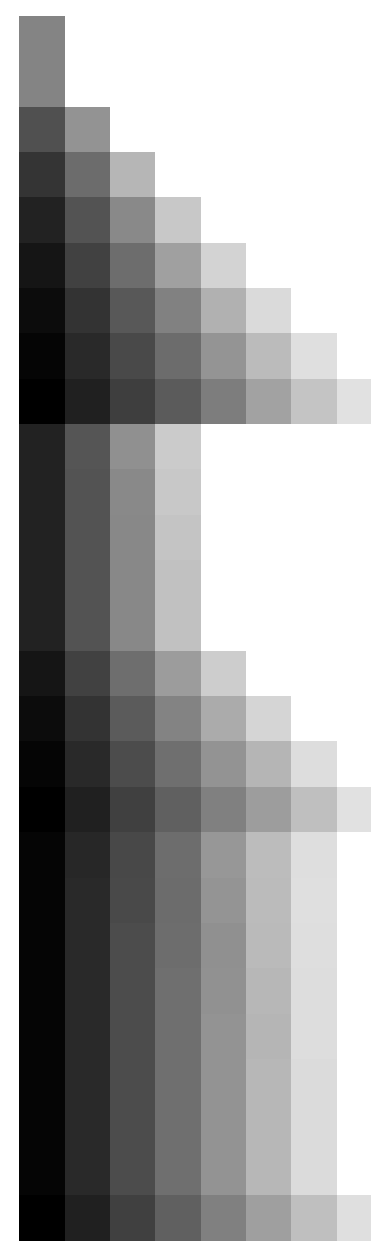
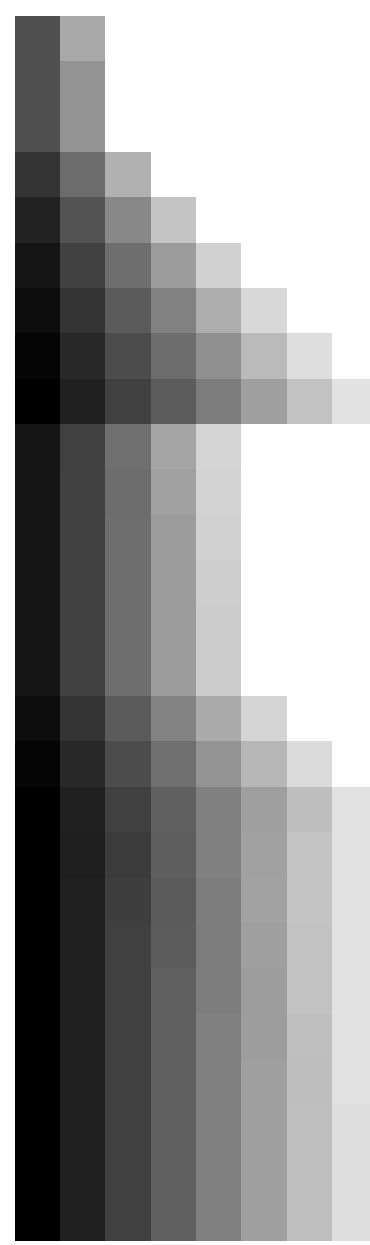
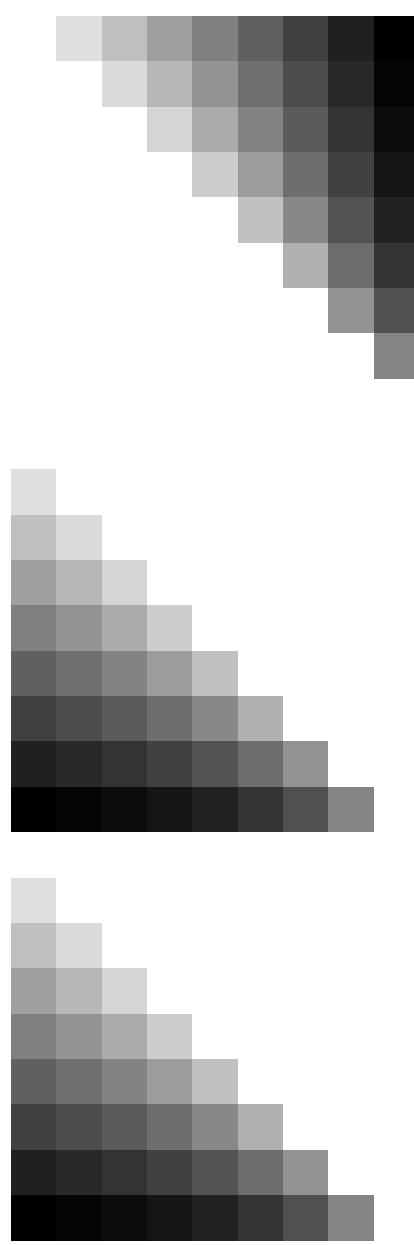
1-003230-E0



see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73L0NA.TXT> / .PS;
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

<http://130.149.60.45/~farbmetrik/RE73/RE73L0NA.TXT> / .PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 3/33





see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



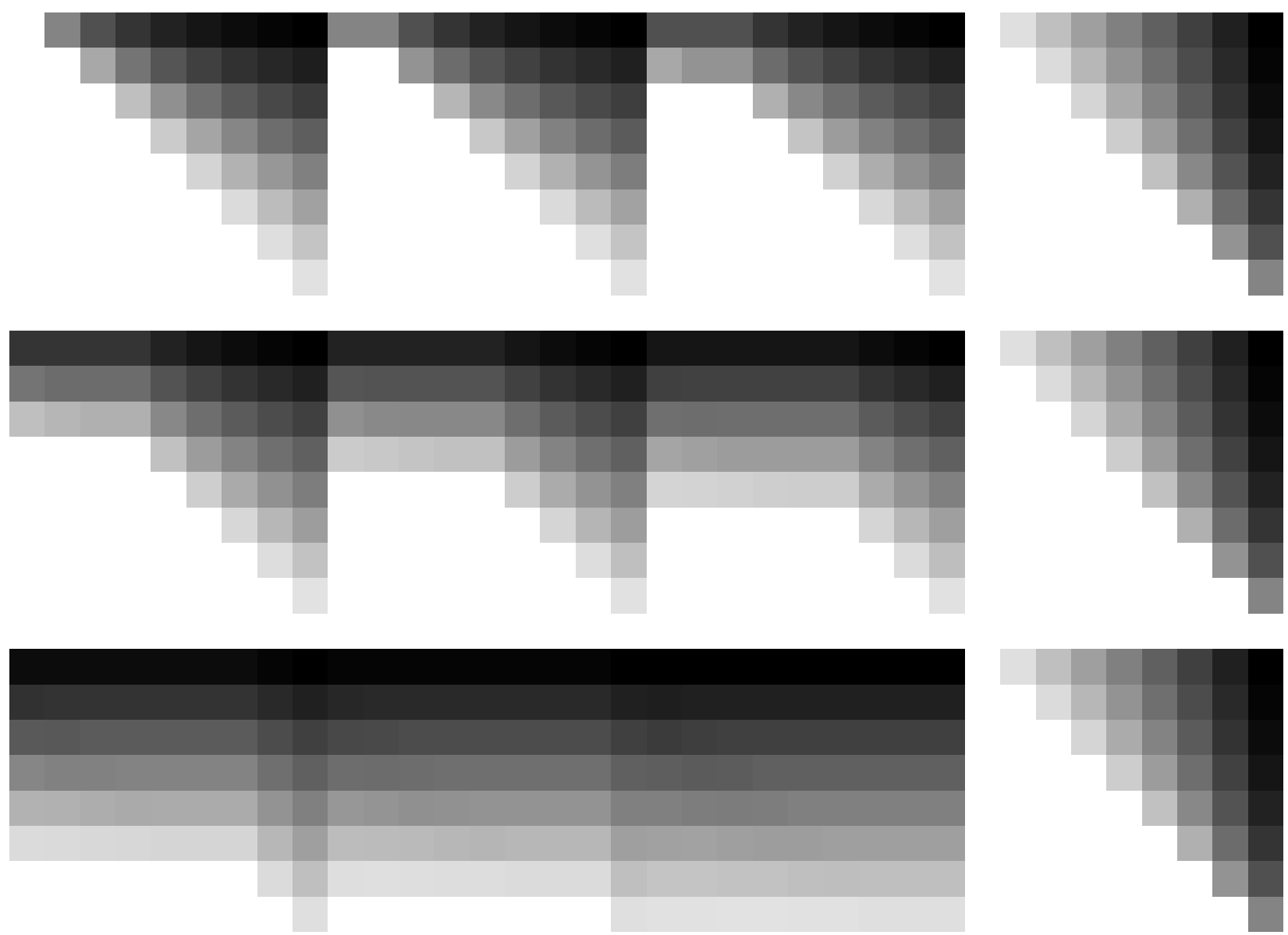
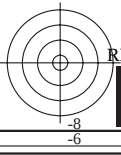
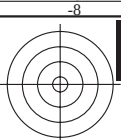


<http://130.149.60.45/~farbmetrik/RE73/RE73L0NA.TXT> /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 5/33

TUB-test chart RE73; 1080 standard colours, $cf=0,9$
Test chart according to DIN 33872

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

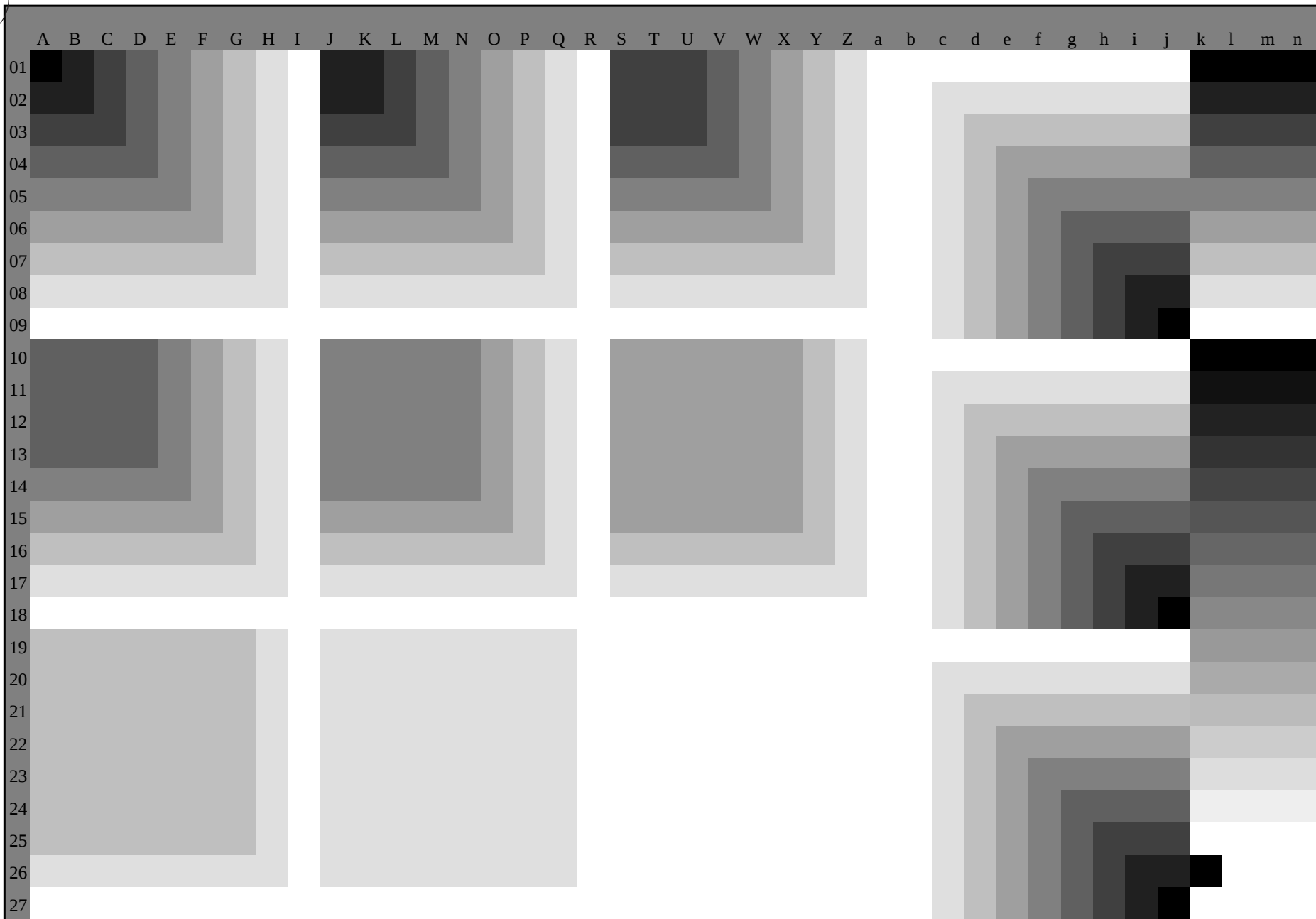
see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



1-003430-E0

see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE73/RE73L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyk6 (CMYK)



RE730-70

1-003530-L0

Test chart G with 40x27=1080 colours; equidistant 9 or 16 step colour scales; Colour data in column (A-n);, 3D = 0

TUB-test chart RE73; 1080 standard colours, $cf=0,9$
Test chart according to DIN 33872

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

1-003530-F0

C

M

Y

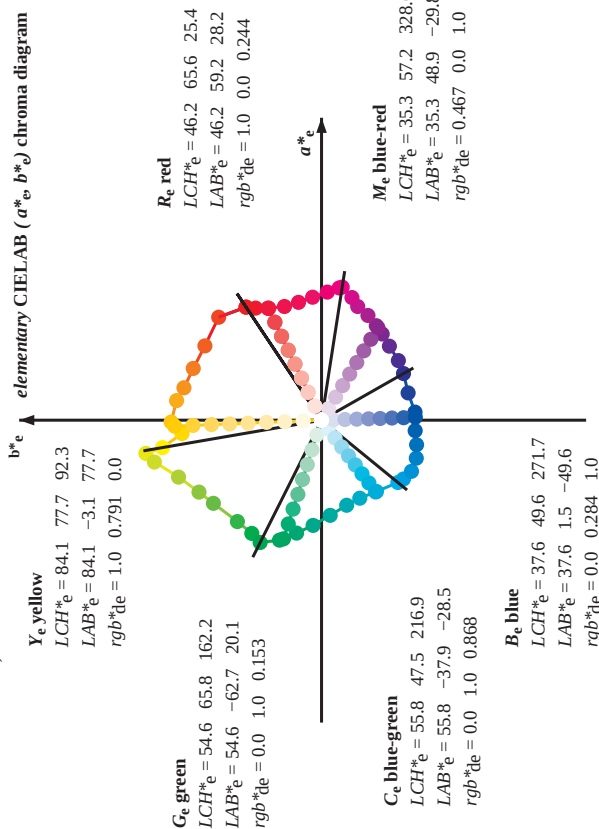
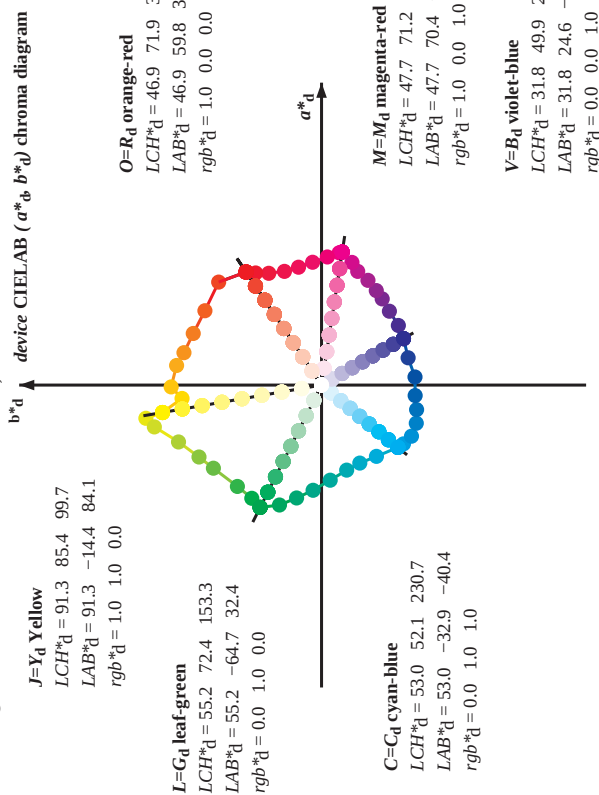
O

L

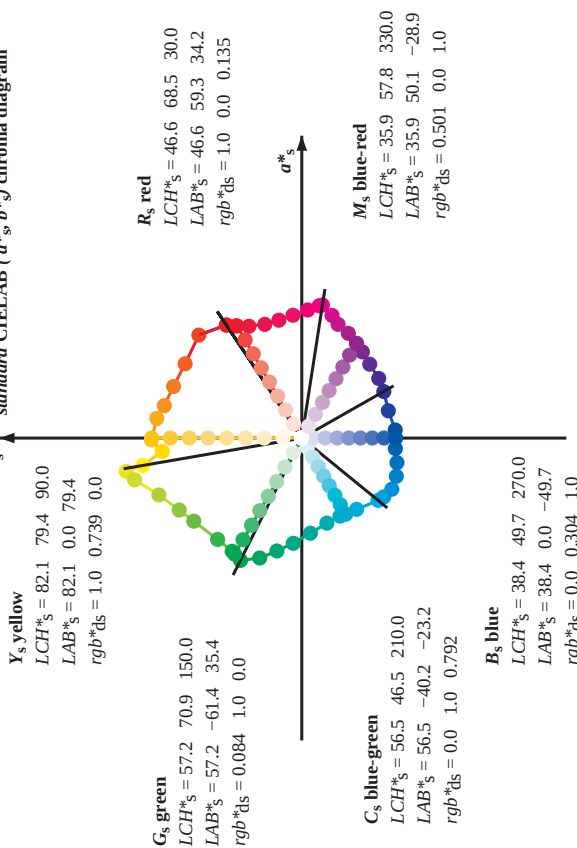
V

C

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 RYGBCM; $h_{ab,d} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours RYGBCM; $h_{ab,d} = 33.7, 99.8, 153.4, 230.8, 299.6, 351.2$; Six hue angles of the elementary colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



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)

- For the rgb^*_e -input values the CIELAB data LCH^*_e and LAB^*_e have been calculated.
- For the calculation of the standard hue angle h_{ab} use for any device values rgb^*_e the equation:

$$h_{ab,s} = \arctan \left[\frac{r^*_d \cos(30) + g^*_d \sin(150)}{1 / r^*_d \sin(30) + g^*_d \sin(150)} + b^*_d \sin(270) \right] \quad (1)$$
- 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:

$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$

$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- For the 48 or 360 elementary hue angles h_{ab} of the colours of maximum chroma use the seven hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:

$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$

$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- For any elementary hue angle h_{ab} there is a well defined device hue angle $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4.
- The values rgb^*_e produce the output of the device-independent elementary hues

RE730-70 1-003630-L0

TUB-test chart RE73; 1080 standard colours, $cf=0.9$
48 step hue circles; $rgb-LabCh$ *tables

LAB*_{ab}, YN=0%, XY Znw=2.1, 2.2, 2.2, 85.7, 90.7, 95.0, LAB*_{nw}=16.4, 0.0, 0.0, 96.3, 0.0, 0.0, not adapted=adapted

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

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

TUB registration: 20150701-RE73/RE73L0NA.TXT /PS
application for measurement of laser printer output, separation cmykn6 (CMYK)

TUB material: code=rha4ta

Six hue angles of the device colours RYGBM; $h_{ab,d} = 33.7, 99.8, 153.4, 230.8, 299.6, 351.2$; 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 60 degree standard colours RYGBM; $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Data of Maximum color M in colorimetric system Offset standard print; separation cmykn6* D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;			LAB* d64M (x=LabCh)			rgb* d64M			LAB* d64M			rgb* d64M		
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$
33.7	30.0	25.4	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7	33.7	1.0	0.0	0.0
44.9	37.5	33.8	1.0	0.125	0.0	52.8	54.4	54.4	77.0	44.9	44.9	1.0	0.0	0.0
57.4	45.0	42.1	1.0	0.25	0.0	60.3	39.3	61.7	73.2	57.4	57.4	1.0	0.094	0.0
68.0	52.5	50.5	1.0	0.375	0.0	66.7	27.3	67.8	73.1	68.0	68.0	1.0	0.175	0.0
76.7	60.0	58.8	1.0	0.5	0.0	72.2	17.1	72.8	74.8	76.7	76.7	1.0	0.267	0.0
82.3	67.5	67.2	1.0	0.625	0.0	76.0	10.3	76.7	77.4	82.3	82.3	1.0	0.359	0.0
90.7	75.0	75.6	1.0	0.75	0.0	82.7	-1.0	79.6	79.6	90.7	90.7	1.0	0.484	0.0
95.4	82.5	83.9	1.0	0.875	0.0	86.9	-7.0	73.8	74.1	95.4	95.4	1.0	0.641	0.0
99.7	90.0	92.3	1.0	1.0	0.0	91.3	-14.4	84.1	85.4	99.7	99.7	1.0	0.792	0.0
100.7	97.5	101.0	0.875	1.0	0.0	92.9	-17.5	92.9	94.5	100.7	100.7	0.875	1.0	0.0
104.0	105.0	109.7	0.75	1.0	0.0	89.2	-22.0	88.4	91.1	104.0	104.0	0.75	1.0	0.0
111.6	112.5	118.5	0.625	1.0	0.0	81.2	-30.0	75.6	81.4	111.6	111.6	0.625	1.0	0.0
120.4	120.0	127.2	0.5	1.0	0.0	73.9	-38.0	64.8	75.2	120.4	120.4	0.5	1.0	0.0
127.5	127.5	136.0	0.375	1.0	0.0	69.3	-44.0	57.2	72.1	127.5	127.5	0.375	1.0	0.0
140.2	135.0	144.7	0.25	1.0	0.0	62.2	-53.6	44.5	69.7	140.2	140.2	0.25	1.0	0.0
148.3	142.5	153.4	0.125	1.0	0.0	58.1	-59.8	36.8	70.3	148.3	148.3	0.125	1.0	0.0
153.3	150.0	162.2	0.0	1.0	0.0	55.2	-64.7	32.4	72.4	153.3	153.3	0.0	1.0	0.0
160.6	157.5	169.0	0.0	1.0	0.125	54.9	-63.4	22.2	67.2	160.6	160.6	0.0	1.0	0.125
167.5	165.0	175.9	0.0	1.0	0.25	54.9	-59.7	13.1	61.1	167.5	167.5	0.0	1.0	0.25
175.3	172.5	182.7	0.0	1.0	0.375	55.5	-55.6	4.5	55.8	175.3	175.3	0.0	1.0	0.375
185.1	180.0	189.6	0.0	1.0	0.5	56.5	-50.3	-4.5	50.5	185.1	185.1	0.0	1.0	0.5
196.4	187.5	196.4	0.0	1.0	0.625	57.0	-45.0	-13.2	46.9	196.4	196.4	0.0	1.0	0.625
206.0	195.0	203.2	0.0	1.0	0.75	56.9	-41.2	-20.2	45.9	206.0	206.0	0.0	1.0	0.75
217.5	202.5	210.1	0.0	1.0	0.875	55.8	-37.7	-29.0	47.6	217.5	217.5	0.0	1.0	0.875
230.7	210.0	216.9	0.0	1.0	1.0	53.0	-32.9	-40.4	52.1	230.7	230.7	0.0	1.0	1.0
234.3	217.5	223.8	0.0	0.875	1.0	52.5	-31.1	-43.3	53.4	234.3	234.3	0.0	0.875	1.0
240.4	225.0	230.6	0.0	0.75	1.0	52.6	-27.0	-47.6	54.7	240.4	240.4	0.0	0.75	1.0
248.0	232.5	237.5	0.0	0.625	1.0	50.0	-20.1	-50.0	53.9	248.0	248.0	0.0	0.625	1.0
255.4	240.0	244.3	0.0	0.5	1.0	45.6	-13.0	-50.3	51.9	255.4	255.4	0.0	0.5	1.0
263.5	247.5	251.2	0.0	0.375	1.0	41.6	-5.5	-49.5	49.8	263.5	263.5	0.0	0.375	1.0
274.9	255.0	258.0	0.0	0.25	1.0	36.0	4.2	-49.4	49.6	274.9	274.9	0.0	0.25	1.0
287.4	262.5	264.8	0.0	0.125	1.0	34.6	14.4	-45.8	48.0	287.4	287.4	0.0	0.125	1.0
299.6	270.0	271.7	0.0	0.0	1.0	31.8	24.6	-43.3	49.9	299.6	299.6	0.0	0.0	1.0
307.7	277.5	278.8	0.125	0.0	1.0	31.2	31.5	-40.6	51.4	307.7	307.7	0.125	0.0	1.0
317.3	285.0	285.9	0.25	0.0	1.0	31.2	39.0	-35.9	53.1	317.3	317.3	0.25	0.0	1.0
324.8	292.5	293.0	0.375	0.0	1.0	33.4	45.6	-32.1	55.7	324.8	324.8	0.375	0.0	1.0
329.9	300.0	300.1	0.5	0.0	1.0	35.9	50.0	-28.9	57.8	329.9	329.9	0.5	0.0	1.0
336.0	307.5	307.2	0.625	0.0	1.0	38.7	55.4	-24.5	60.6	336.0	336.0	0.625	0.0	1.0
342.3	315.0	314.3	0.75	0.0	1.0	41.7	60.2	-19.1	63.1	342.3	342.3	0.75	0.0	1.0
346.1	322.5	321.4	0.875	0.0	1.0	44.4	64.8	-16.0	66.8	346.1	346.1	0.875	0.0	1.0
351.1	330.0	328.6	1.0	0.0	1.0	47.7	70.4	-10.9	71.2	351.1	351.1	1.0	0.0	1.0
352.4	337.5	335.7	1.0	0.0	0.875	47.1	70.0	-9.2	70.6	352.4	352.4	1.0	0.0	0.875
357.3	345.0	342.8	1.0	0.0	0.75	46.2	67.7	-3.0	67.7	357.3	357.3	1.0	0.0	0.75
364.1	352.5	349.9	1.0	0.0	0.625	46.2	65.0	4.7	65.1	364.1	364.1	1.0	0.0	0.625
371.0	360.0	357.0	1.0	0.0	0.5	45.8	62.3	12.1	63.5	371.0	371.0	1.0	0.0	0.5
378.0	367.5	364.1	1.0	0.0	0.375	45.9	60.1	19.6	63.3	378.0	378.0	1.0	0.0	0.375
385.2	375.0	371.2	1.0	0.0	0.25	46.2	59.2	27.9	65.4	385.2	385.2	1.0	0.0	0.25
390.4	382.5	378.3	1.0	0.0	0.125	46.6	59.3	34.8	68.8	390.4	390.4	1.0	0.0	0.125
393.7	390.0	385.4	1.0	0.0	0.0	46.9	59.8	39.9	71.9	393.7	393.7	1.0	0.0	0.0

see similar files: <http://130.149.60.45/~farbmatrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

LAB*lab,0, YN=0%, XY Znw=2.1, 2.2, 2.2, 85.7, 90.7, 95.0, LAB*mnw=16.4, 0.0, 0.0, 96.3, 0.0, 0.0, not adapted=adapted

TUB-test chart RE73; 1080 standard colours, cf=0.9
48 step hue circles; rgb-LabCh*tables
input: rgb/cmyk -> rgba
output: transfer to cmykd

Output: Offset standard print; separation cmykn6*, D65, page 9/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmykn6*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM; $h_{ab,d5} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;										Six hue angles of the 60 degree standard colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$											
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{ab,e}$	$rgb^*_{ab,d}$	$rgb^*_{ab,s}$	$rgb^*_{ab,e}$	$rgb^*_{ab,d}$	$rgb^*_{ab,s}$	$rgb^*_{ab,e}$	$rgb^*_{ab,d}$	$rgb^*_{ab,s}$	$rgb^*_{ab,e}$	$rgb^*_{ab,d}$	$rgb^*_{ab,s}$	$rgb^*_{ab,e}$	$rgb^*_{ab,d}$	$rgb^*_{ab,s}$	$rgb^*_{ab,e}$	$rgb^*_{ab,d}$		
-269	75	75	1.0	0.75	0.0	82.7	-1.0	79.6	79.6	-269	R_{d5}	1.0	0.475	0.0	71.1	19.3	71.9	74.5	75		
91	76	76	1.0	0.766	0.0	83.3	-1.8	78.8	78.8	91	1.0	0.49	0.0	71.7	18.1	72.4	74.7	76	1.0	0.767	0.0
91	77	77	1.0	0.783	0.0	83.8	-2.7	78.1	78.1	91	1.0	0.506	0.0	72.4	16.9	73.0	74.9	77	1.0	0.783	0.0
92	78	78	1.0	0.8	0.0	84.4	-3.5	77.3	77.4	92	1.0	0.529	0.0	73.1	15.7	73.7	75.4	78	1.0	0.8	0.0
93	79	80	1.0	0.816	0.0	84.9	-4.3	76.5	76.7	93	1.0	0.551	0.0	73.8	14.5	74.5	75.9	79	1.0	0.817	0.0
93	80	81	1.0	0.833	0.0	85.5	-5.1	75.8	75.9	93	1.0	0.573	0.0	74.5	13.3	75.2	76.3	80	1.0	0.833	0.0
94	81	82	1.0	0.85	0.0	86.1	-5.9	75.0	75.2	94	1.0	0.596	0.0	75.2	12.0	75.9	76.8	81	1.0	0.85	0.0
95	82	83	1.0	0.866	0.0	86.6	-6.6	74.2	74.5	95	1.0	0.618	0.0	75.8	10.8	76.5	77.3	82	1.0	0.867	0.0
95	83	84	1.0	0.883	0.0	87.2	-7.4	74.5	74.9	95	1.0	0.635	0.0	76.6	9.5	77.0	77.6	83	1.0	0.883	0.0
96	84	85	1.0	0.9	0.0	87.8	-8.4	73.9	76.4	96	1.0	0.65	0.0	77.4	8.1	77.4	77.9	84	1.0	0.9	0.0
96	85	86	1.0	0.916	0.0	88.4	-9.3	73.7	77.9	96	1.0	0.665	0.0	78.2	6.8	77.8	78.1	85	1.0	0.917	0.0
97	86	87	1.0	0.933	0.0	88.9	-10.3	73.7	79.4	97	1.0	0.68	0.0	79.0	5.5	78.2	78.4	86	1.0	0.933	0.0
98	87	88	1.0	0.95	0.0	89.5	-11.3	80.1	80.9	98	1.0	0.695	0.0	79.8	4.1	78.5	78.6	87	1.0	0.95	0.0
98	88	90	1.0	0.966	0.0	90.1	-12.3	81.4	82.4	98	1.0	0.709	0.0	80.6	2.8	78.8	78.9	88	1.0	0.967	0.0
99	89	91	1.0	0.983	0.0	90.7	-13.4	82.8	83.9	99	1.0	0.724	0.0	81.4	1.4	79.1	79.2	89	1.0	0.983	0.0
99	90	92	1.0	1.0	0.0	91.3	-14.4	84.1	85.4	99	1.0	0.739	0.0	82.2	0.0	79.4	79.4	90	1.0	1.0	0.0
99	91	93	0.983	1.0	0.0	91.5	-14.8	85.3	86.6	99	1.0	0.757	0.0	83.0	-1.3	79.3	79.3	91	0.983	1.0	0.0
100	92	94	0.966	1.0	0.0	91.7	-15.2	86.5	87.8	100	1.0	0.784	0.0	83.9	-2.6	78.1	78.2	92	0.967	1.0	0.0
100	93	95	0.95	1.0	0.0	91.9	-15.6	87.6	89.0	100	1.0	0.81	0.0	84.8	-3.9	76.9	77.0	93	0.95	1.0	0.0
100	94	96	0.933	1.0	0.0	92.2	-16.1	88.8	90.3	100	1.0	0.837	0.0	85.7	-5.2	75.7	75.8	94	0.933	1.0	0.0
100	95	98	0.916	1.0	0.0	92.4	-16.5	90.0	91.5	100	1.0	0.863	0.0	86.6	-6.4	74.4	74.7	95	0.917	1.0	0.0
100	96	99	0.9	1.0	0.0	92.6	-16.9	91.1	92.7	100	1.0	0.891	0.0	87.5	-7.8	75.2	75.6	96	0.9	1.0	0.0
100	97	100	0.883	1.0	0.0	92.8	-17.3	92.3	93.9	100	1.0	0.92	0.0	88.5	-9.4	77.6	78.2	97	0.883	1.0	0.0
100	98	101	0.866	1.0	0.0	92.7	-17.8	92.6	94.3	100	1.0	0.949	0.0	89.5	-11.1	80.0	80.8	98	0.867	1.0	0.0
101	99	102	0.85	1.0	0.0	92.2	-18.5	92.0	93.9	101	1.0	0.978	0.0	90.5	-12.9	82.4	83.4	99	0.85	1.0	0.0
101	100	103	0.833	1.0	0.0	91.7	-19.1	91.4	93.4	101	0.97	1.0	0.0	91.7	-15.1	86.3	87.6	100	0.833	1.0	0.0
102	101	105	0.816	1.0	0.0	91.2	-19.7	90.8	92.9	102	0.864	1.0	0.0	92.7	-17.9	92.6	94.3	101	0.817	1.0	0.0
102	102	106	0.8	1.0	0.0	90.7	-20.3	90.2	92.5	102	0.826	1.0	0.0	91.6	-19.3	91.2	93.3	102	0.8	1.0	0.0
103	103	107	0.783	1.0	0.0	90.2	-20.9	89.6	92.0	103	0.789	1.0	0.0	90.4	-20.6	89.9	92.2	103	0.783	1.0	0.0
103	104	108	0.766	1.0	0.0	89.7	-21.5	89.0	91.6	103	0.751	1.0	0.0	89.3	-22.0	88.5	91.2	104	0.767	1.0	0.0
104	105	109	0.75	1.0	0.0	89.2	-22.0	88.4	91.1	104	0.734	1.0	0.0	88.3	-23.2	86.9	89.9	105	0.75	1.0	0.0
105	106	110	0.733	1.0	0.0	88.2	-23.3	86.7	89.8	105	0.718	1.0	0.0	87.2	-24.3	85.2	88.7	106	0.733	1.0	0.0
106	107	112	0.716	1.0	0.0	87.1	-24.5	85.1	88.5	106	0.701	1.0	0.0	86.2	-25.4	83.6	87.4	107	0.717	1.0	0.0
107	108	113	0.7	1.0	0.0	86.0	-25.6	83.4	87.2	107	0.685	1.0	0.0	85.1	-26.5	81.9	86.1	108	0.7	1.0	0.0
108	109	114	0.683	1.0	0.0	85.0	-26.7	81.7	85.9	108	0.669	1.0	0.0	84.1	-27.5	80.2	84.8	109	0.683	1.0	0.0
109	110	115	0.666	1.0	0.0	83.9	-27.7	79.9	84.6	109	0.652	1.0	0.0	83.0	-28.5	78.5	83.6	110	0.667	1.0	0.0
110	111	116	0.65	1.0	0.0	82.8	-28.7	78.2	83.3	110	0.636	1.0	0.0	82.0	-29.4	76.8	82.3	111	0.65	1.0	0.0
111	112	117	0.633	1.0	0.0	81.8	-29.6	76.5	82.0	111	0.62	1.0	0.0	81.0	-30.3	75.3	81.2	112	0.633	1.0	0.0
112	113	119	0.616	1.0	0.0	80.7	-30.6	74.9	80.9	112	0.606	1.0	0.0	80.2	-31.3	74.1	80.5	113	0.617	1.0	0.0
113	114	120	0.6	1.0	0.0	79.8	-31.8	73.5	80.1	113	0.592	1.0	0.0	79.3	-32.3	72.9	79.8	114	0.6	1.0	0.0
114	115	121	0.583	1.0	0.0	78.8	-33.0	72.1	79.3	114	0.578	1.0	0.0	78.5	-33.3	71.6	79.1	115	0.583	1.0	0.0
115	116	122	0.566	1.0	0.0	77.8	-34.1	70.7	78.5	115	0.563	1.0	0.0	77.7	-34.2	70.4	77.6	116	0.567	1.0	0.0
116	117	123	0.55	1.0	0.0	76.9	-35.1	69.2	77.6	116	0.549	1.0	0.0	76.8	-35.1	69.2	77.6	117	0.55	1.0	0.0
118	118	124	0.533	1.0	0.0	75.9	-36.1	67.8	76.8	118	0.535	1.0	0.0	76.0	-36.0	67.9	76.9	118	0.533	1.0	0.0
119	119	126	0.516	1.0	0.0	74.9	-37.1	66.3	76.0	119	0.52	1.0	0.0	75.2	-36.9	66.7	76.2	119	0.517	1.0	0.0
120	120	127	0.5	1.0	0.0	73.9	-38.0	64.8	75.2	120	0.506	1.0	0.0	74.3	-37.7	65.4	75.5	120	0.5	1.0	0.0

Output: Offset standard print; separation cmykn6*, D65, page 11/38

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

TUB-test chart RE73; 1080 standard colours, $cf=0.9$
48 step hue circles; $rgb-LabCh$ *tables

1-0031030-L0
RE730-70

Data of Maximum color M in colorimetric system Offset standard print; separation cmykn6*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;										Six hue angles of the device colours RYGBCM; $h_{ab,d} = 33.7, 99.8, 153.4, 230.8, 299.6, 351.2$; Six hue angles of the elementary colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	Lab^*_{d361M}	$Lab^*_{ds361MI}$	Lab^*_{s361MI}	$Lab^*_{ds361MI}$	Lab^*_{s361MI}	$Lab^*_{ds361MI}$	Lab^*_{s361MI}	Lab^*_{d361MI}	$Lab^*_{ds361MI}$	Lab^*_{s361MI}	$Lab^*_{ds361MI}$	Lab^*_{s361MI}	$Lab^*_{ds361MI}$	Lab^*_{s361MI}	$Lab^*_{ds361MI}$	Lab^*_{s361MI}	
120	120	127	0.5	1.0	0.0	73.9	-38.0	64.8	75.2	120	0.5	1.0	0.0	0.38	1.0	0.0	0.38	1.0	
121	121	128	0.483	1.0	0.0	73.3	-38.9	63.8	74.8	121	0.49	1.0	0.0	0.366	1.0	0.0	0.366	1.0	
122	122	129	0.466	1.0	0.0	72.7	-39.7	62.8	74.4	122	0.472	1.0	0.0	0.355	1.0	0.0	0.355	1.0	
123	123	130	0.45	1.0	0.0	72.1	-40.6	61.8	74.0	123	0.455	1.0	0.0	0.344	1.0	0.0	0.344	1.0	
124	124	131	0.433	1.0	0.0	71.5	-41.3	60.8	73.5	124	0.437	1.0	0.0	0.332	1.0	0.0	0.332	1.0	
125	125	133	0.416	1.0	0.0	70.9	-42.1	59.8	73.1	125	0.42	1.0	0.0	0.321	1.0	0.0	0.321	1.0	
126	126	134	0.4	1.0	0.0	70.3	-42.9	58.7	72.7	126	0.402	1.0	0.0	0.309	1.0	0.0	0.309	1.0	
127	127	135	0.383	1.0	0.0	69.6	-43.6	57.7	72.3	127	0.385	1.0	0.0	0.298	1.0	0.0	0.298	1.0	
128	128	136	0.366	1.0	0.0	68.9	-44.7	56.4	72.0	128	0.371	1.0	0.0	0.286	1.0	0.0	0.286	1.0	
130	129	137	0.35	1.0	0.0	67.9	-46.1	54.8	71.6	130	0.361	1.0	0.0	0.275	1.0	0.0	0.275	1.0	
131	130	138	0.333	1.0	0.0	66.9	-47.5	53.1	71.3	131	0.351	1.0	0.0	0.263	1.0	0.0	0.263	1.0	
133	131	140	0.316	1.0	0.0	66.0	-48.8	51.5	71.0	133	0.341	1.0	0.0	0.252	1.0	0.0	0.252	1.0	
135	132	141	0.3	1.0	0.0	65.0	-50.1	49.8	70.7	135	0.331	1.0	0.0	0.235	1.0	0.0	0.235	1.0	
136	133	142	0.283	1.0	0.0	64.1	-51.3	48.0	70.3	136	0.322	1.0	0.0	0.217	1.0	0.0	0.217	1.0	
138	134	143	0.266	1.0	0.0	63.1	-52.5	46.3	70.0	138	0.312	1.0	0.0	0.199	1.0	0.0	0.199	1.0	
140	135	144	0.25	1.0	0.0	62.2	-53.6	44.5	69.7	140	0.302	1.0	0.0	0.181	1.0	0.0	0.181	1.0	
141	136	145	0.233	1.0	0.0	61.6	-54.5	43.5	69.7	141	0.292	1.0	0.0	0.163	1.0	0.0	0.163	1.0	
142	137	147	0.216	1.0	0.0	61.1	-55.3	42.5	69.8	142	0.282	1.0	0.0	0.145	1.0	0.0	0.145	1.0	
143	138	148	0.2	1.0	0.0	60.5	-56.2	41.5	69.9	143	0.272	1.0	0.0	0.127	1.0	0.0	0.127	1.0	
144	139	149	0.183	1.0	0.0	60.0	-57.0	40.5	70.0	144	0.263	1.0	0.0	0.099	1.0	0.0	0.099	1.0	
145	140	150	0.166	1.0	0.0	59.5	-57.9	39.5	70.1	145	0.253	1.0	0.0	0.07	1.0	0.0	0.07	1.0	
146	141	151	0.15	1.0	0.0	58.9	-58.7	38.4	70.1	146	0.239	1.0	0.0	0.041	1.0	0.0	0.041	1.0	
147	142	152	0.133	1.0	0.0	58.4	-59.4	37.3	70.2	147	0.223	1.0	0.0	0.011	1.0	0.0	0.011	1.0	
148	143	154	0.116	1.0	0.0	57.9	-60.2	36.5	70.4	148	0.208	1.0	0.0	0.0	1.0	0.012	0.0	0.012	1.0
149	144	155	0.1	1.0	0.0	57.5	-60.8	36.0	70.7	149	0.193	1.0	0.0	0.0	1.0	0.032	0.0	0.032	1.0
150	145	156	0.083	1.0	0.0	57.2	-61.5	35.4	71.0	150	0.177	1.0	0.0	0.0	1.0	0.052	0.0	0.052	1.0
150	146	157	0.066	1.0	0.0	56.8	-62.1	34.8	71.2	150	0.162	1.0	0.0	0.0	1.0	0.072	0.0	0.072	1.0
151	147	158	0.049	1.0	0.0	56.4	-62.8	34.2	71.5	151	0.146	1.0	0.0	0.0	1.0	0.092	0.0	0.092	1.0
152	148	159	0.033	1.0	0.0	56.0	-63.4	33.7	71.8	152	0.131	1.0	0.0	0.0	1.0	0.112	0.0	0.112	1.0
152	149	161	0.016	1.0	0.0	55.6	-64.0	33.0	72.1	152	0.11	1.0	0.0	0.0	1.0	0.132	0.0	0.132	1.0
153	150	162	0.0	1.0	0.0	55.2	-64.7	32.4	72.4	153	0.084	1.0	0.0	0.0	1.0	0.153	0.0	0.153	1.0
154	151	163	0.0	1.0	0.016	55.1	-64.6	31.0	71.7	154	0.059	1.0	0.0	0.0	1.0	0.17	0.0	0.17	1.0
155	152	164	0.0	1.0	0.033	55.0	-64.5	29.6	71.0	155	0.034	1.0	0.0	0.0	1.0	0.186	0.0	0.186	1.0
156	153	164	0.0	1.0	0.05	54.9	-64.4	28.3	70.3	156	0.009	1.0	0.0	0.0	1.0	0.203	0.0	0.203	1.0
157	154	165	0.0	1.0	0.066	54.8	-64.2	26.9	69.6	157	0.0	1.0	0.011	0.0	0.0	0.219	0.0	0.219	1.0
158	155	166	0.0	1.0	0.083	54.8	-64.0	25.5	68.9	158	0.0	1.0	0.028	0.0	0.0	0.236	0.0	0.236	1.0
159	156	167	0.0	1.0	0.1	54.7	-63.8	24.2	68.3	159	0.0	1.0	0.045	0.0	0.0	0.252	0.0	0.252	1.0
160	157	168	0.0	1.0	0.116	54.6	-63.6	22.9	67.6	160	0.0	1.0	0.062	0.0	0.0	0.267	0.0	0.267	1.0
161	158	169	0.0	1.0	0.133	54.6	-63.2	21.6	66.8	161	0.0	1.0	0.08	0.0	0.0	0.281	0.0	0.281	1.0
162	159	170	0.0	1.0	0.15	54.6	-62.8	20.3	66.0	162	0.0	1.0	0.097	0.0	0.0	0.296	0.0	0.296	1.0
162	160	171	0.0	1.0	0.166	54.7	-62.3	19.1	65.2	162	0.0	1.0	0.114	0.0	0.0	0.31	0.0	0.31	1.0
163	161	172	0.0	1.0	0.183	54.7	-61.8	17.8	64.4	163	0.0	1.0	0.131	0.0	0.0	0.325	0.0	0.325	1.0
164	162	173	0.0	1.0	0.2	54.8	-61.3	16.6	63.5	164	0.0	1.0	0.149	0.0	0.0	0.34	0.0	0.34	1.0
165	163	174	0.0	1.0	0.216	54.6	-60.8	15.4	62.7	165	0.0	1.0	0.167	0.0	0.0	0.354	0.0	0.354	1.0
166	164	175	0.0	1.0	0.233	54.9	-60.2	14.2	61.9	166	0.0	1.0	0.185	0.0	0.0	0.369	0.0	0.369	1.0
167	165	175	0.0	1.0	0.25	54.9	-59.7	13.1	61.1	167	0.0	1.0	0.203	0.0	0.0	0.382	0.0	0.382	1.0

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

5.3. 0.0. 0.0. not adapted=adapted

LAB*|a0. YN=0%. XYZ_{DW}=2.1.2.2.2.2.2.2.85.7.9

-0031230-10

[illegible]

Data of Maximum color M in colorimetric system Offset standard print; separation cmykn6*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; $h_{ab,d} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;									
Six hue angles of the device colours RYGBM; $h_{ab,d} = 33.7, 99.8, 153.4, 230.8, 299.6, 351.2$; 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^*_{ds361M}	LAB^*_{ds361M}	LAB^*_{ds361M}	LAB^*_{ds361M}	LAB^*_{ds361M}	LAB^*_{ds361M}	LAB^*_{ds361M}
274	255	258	0.0	0.25	1.0	36.0	4.2	-49.4	49.6
276	256	258	0.0	0.233	1.0	35.8	5.6	-49.0	49.4
278	257	259	0.0	0.216	1.0	35.6	7.0	-48.6	49.2
279	258	260	0.0	0.2	1.0	35.4	8.4	-48.2	48.9
281	259	261	0.0	0.183	1.0	35.2	9.8	-47.7	48.7
283	260	262	0.0	0.166	1.0	35.0	11.1	-47.2	48.5
284	261	263	0.0	0.15	1.0	34.8	12.4	-46.7	48.3
286	262	264	0.0	0.133	1.0	34.7	13.7	-46.1	48.1
288	263	265	0.0	0.116	1.0	34.4	15.1	-45.7	48.1
289	264	266	0.0	0.1	1.0	34.0	16.4	-45.5	48.4
291	265	267	0.0	0.083	1.0	33.6	17.8	-45.2	48.6
293	266	268	0.0	0.066	1.0	33.3	19.2	-44.9	48.9
294	267	269	0.0	0.049	1.0	32.9	20.5	-44.6	49.1
296	268	269	0.0	0.033	1.0	32.5	21.9	-44.2	49.4
297	269	270	0.0	0.016	1.0	32.2	23.3	-43.8	49.6
299	270	271	0.0	0.0	1.0	31.8	24.6	-43.3	49.9
300	271	272	0.016	0.0	1.0	31.7	25.5	-43.0	50.1
301	272	273	0.033	0.0	1.0	31.6	26.5	-42.7	50.3
302	273	274	0.05	0.0	1.0	31.6	27.4	-42.4	50.5
303	274	275	0.066	0.0	1.0	31.5	28.3	-42.0	50.7
305	275	276	0.083	0.0	1.0	31.4	29.2	-41.6	50.9
306	276	277	0.1	0.0	1.0	31.3	30.1	-41.2	51.1
307	277	278	0.116	0.0	1.0	31.3	31.0	-40.8	51.3
308	278	279	0.133	0.0	1.0	31.2	32.0	-40.3	51.5
309	279	280	0.15	0.0	1.0	31.2	33.0	-39.8	51.7
310	280	281	0.166	0.0	1.0	31.2	34.1	-39.2	51.9
312	281	282	0.183	0.0	1.0	31.2	35.1	-38.6	52.2
313	282	283	0.2	0.0	1.0	31.2	36.1	-38.0	52.4
314	283	284	0.216	0.0	1.0	31.2	37.1	-37.3	52.6
316	284	285	0.233	0.0	1.0	31.2	38.1	-36.6	52.8
317	285	286	0.25	0.0	1.0	31.2	39.0	-35.9	53.1
318	286	287	0.266	0.0	1.0	31.5	39.9	-35.5	53.4
319	287	288	0.283	0.0	1.0	31.8	40.8	-35.0	53.8
320	288	289	0.3	0.0	1.0	32.1	41.7	-34.5	54.1
321	289	289	0.316	0.0	1.0	32.4	42.6	-34.0	54.5
322	290	290	0.333	0.0	1.0	32.7	43.4	-33.5	54.9
323	291	291	0.35	0.0	1.0	33.0	44.3	-32.9	55.2
324	292	292	0.366	0.0	1.0	33.3	45.2	-32.4	55.6
325	293	293	0.383	0.0	1.0	33.6	45.9	-31.9	55.9
326	294	294	0.4	0.0	1.0	33.9	46.5	-31.5	56.2
327	295	295	0.416	0.0	1.0	34.2	47.1	-31.1	56.4
328	296	296	0.433	0.0	1.0	34.6	47.7	-30.7	56.7
329	297	297	0.45	0.0	1.0	34.9	48.2	-30.3	57.0
328	298	298	0.466	0.0	1.0	35.2	48.8	-29.8	57.2
329	299	299	0.483	0.0	1.0	35.6	49.4	-29.4	57.5
329	300	300	0.5	0.0	1.0	35.9	50.0	-28.9	57.8

TUB-test chart RE73; 1080 standard colours, $cf=0.9$
48 step hue circles; $rgb-LabCh$ *tables

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

LAB* h_{ab} , YN=0%, XY Zmw=2.1, 2.2, 2.2, 85.7, 90.7, 95.0, LAB*mnw=16.4, 0.0, 0.0, 96.3, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmykn6*, D65, page 15/38

http://130.149.60.45/~farbmatrik/RE73/RE73L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/33

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

TUB-test chart RE73; 1080 standard colours, $cf=0,9$
colours and differences ΔE^*

RE730-7N, Page 18/33-F

-0031730-F0

[illegible]



TUB material: code=rha4ta
myn6 (CMYK)

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

ID	HIC*Fe	rgb*Fe	iCr*Fe	hs_Fe	rgb*Fe	LabCh*Fe	LabCh*Fe										rgb*Fe	DE*Fe	hs_Fe	rgb*Fe	LabCh*Fe								
							1	2	3	4	5	6	7	8	9	10						11	12						
1	ROY_012.0124	0.125	0.0	0.125	0.125	0.0	20.2	7.4	4.9	8.9	33.7	0.125	0.0	0.125	26.0	5.9	7.2	9.4	50.8	4.7	389	1.0	0.0	46.9	59.8	39.9	71.9	33.7	
2	B50R_012.0124	0.125	0.0	0.125	0.125	0.0	20.2	8.8	-1.3	8.9	351.1	0.125	0.0	0.125	26.0	5.9	7.2	9.4	338.0	7.1	330	1.0	0.0	47.7	70.4	-10.9	71.2	351.1	
3	B50R_012.0124	0.125	0.0	0.125	0.125	0.0	20.2	12.5	-12.2	14.4	329.9	0.125	0.0	0.125	26.0	5.9	7.2	9.4	329.9	12.5	330	1.0	0.0	46.9	59.8	-28.9	54.8	329.9	
4	B23R_037.0374	0.125	0.0	0.125	0.125	0.0	20.2	12.5	-12.2	14.4	329.9	0.125	0.0	0.125	26.0	5.9	7.2	9.4	329.9	12.5	330	1.0	0.0	46.9	59.8	-34.0	54.5	321.3	
5	B23R_037.0374	0.125	0.0	0.125	0.125	0.0	20.2	15.9	-17.7	20.4	321.3	0.125	0.0	0.125	26.0	5.9	7.2	9.4	306.3	12.3	288	0.316	0.0	1.0	35.4	42.6	-34.0	54.8	321.3
6	B11R_050.0504	0.125	0.0	0.125	0.125	0.0	20.2	28.4	-18.1	26.4	316.1	0.125	0.0	0.125	26.0	5.9	7.2	9.4	286.6	26.8	316.1	0.125	0.0	1.0	31.2	38.1	-36.6	52.2	316.1
7	B11R_050.0504	0.125	0.0	0.125	0.125	0.0	20.2	25.6	-19.9	-24.3	326.6	0.125	0.0	0.125	26.0	5.9	7.2	9.4	316.1	26.8	316.1	0.125	0.0	1.0	31.2	38.1	-36.6	52.2	316.1
8	B09R_062.0624	0.125	0.0	0.125	0.125	0.0	20.2	21.9	-28.3	24.8	299.6	0.125	0.0	0.125	26.0	5.9	7.2	9.4	299.6	21.9	299.6	0.125	0.0	1.0	31.2	38.1	-38.8	51.7	309.7
9	B09R_062.0624	0.125	0.0	0.125	0.125	0.0	20.2	24.8	-35.3	45.1	308.4	0.125	0.0	0.125	26.0	5.9	7.2	9.4	308.4	24.8	308.4	0.125	0.0	1.0	31.2	38.1	-40.3	51.5	308.4
10	B07R_077.0754	0.125	0.0	0.125	0.125	0.0	20.2	31.0	-40.8	51.3	307.2	0.125	0.0	0.125	26.0	5.9	7.2	9.4	307.2	31.0	307.2	0.125	0.0	1.0	31.2	38.1	-40.8	51.3	307.2
11	B07R_077.0754	0.125	0.0	0.125	0.125	0.0	20.2	25.7	-1.8	10.6	99.7	0.125	0.0	0.125	26.0	5.9	7.2	9.4	106.6	25.7	99.7	0.125	0.0	1.0	31.2	38.1	-40.8	51.3	307.2
12	Y06C_012.0124	0.125	0.0	0.125	0.125	0.0	20.2	26.3	0.0	0.0	99.7	0.125	0.0	0.125	26.0	5.9	7.2	9.4	106.6	25.7	99.7	0.125	0.0	1.0	31.2	38.1	-40.8	51.3	307.2
13	Y06C_012.0124	0.125	0.0	0.125	0.125	0.0	20.2	26.3	0.0	0.0	99.7	0.125	0.0	0.125	26.0	5.9	7.2	9.4	106.6	25.7	99.7	0.125	0.0	1.0	31.2	38.1	-40.8	51.3	307.2
14	Y06C_012.0124	0.125	0.0	0.125	0.125	0.0	20.2	26.3	0.0	0.0	99.7	0.125	0.0	0.125	26.0	5.9	7.2	9.4	106.6	25.7	99.7	0.125	0.0	1.0	31.2	38.1	-40.8	51.3	307.2</

see similar files: <http://130.149.60.45/~farbmatrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/RE73/RE73L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 22/33

TU8-test chart RE73; 1080 standard colours, $cf=0,9$ colors and differences. ΔE^* ,

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

[illegible]

see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

http://130.149.60.45/~farbmatrik/RE73/RE73L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/33

RE730-7N, Page 24/33-F

— 100 —

TUB-test chart RE73; 1080 standard colours, $cf=0.9$

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

9

9

see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB-test chart RE73; 1080 standard colours, $cf=0.9$, colors and differences, ΔE^* ,

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

n	HIC* τ_{td}	$\text{rgb}^*\tau_{\text{td}}$	$\text{tcr}^*\tau_{\text{td}}$	$\text{h}_{\text{g}}^*\tau_{\text{td}}$	$\text{rgb}^*\tau_{\text{td}}$	$\text{LabCh}^*\tau_{\text{td}}$	$\text{LabCh}^*\tau_{\text{td}}$	$\text{rgb}^*\tau_{\text{td}}$	$\text{LabCh}^*\tau_{\text{td}}$	$\text{DE}^*\tau_{\text{td}}$	$\text{h}_{\text{sd}}^*\tau_{\text{td}}$	$\text{rgb}^*\tau_{\text{td}}$	$\text{LabCh}^*\tau_{\text{td}}$	$\text{h}_{\text{sd}}^*\tau_{\text{td}}$														
567	R00Y_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
568	R00Y_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
569	R36Y_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
570	R23Y_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
571	R00Y_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
572	B63R_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
573	B63R_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
574	B56R_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
575	B56R_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
576	B44R_100_100d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
577	R13Y_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
578	R35Y_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
579	R18Y_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
580	R00Y_087_087d4	0.875	0.0	0.875	0.0	43.1	52.3	34.9	62.9	33.7	0.0	0.875	0.0	43.1	54.8	33.4	64.2	31.4	2.8	389	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7
581	B65R_087_087d4	0.																										

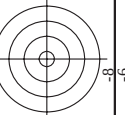
see similar files: <http://130.149.60.45/~farbmatrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/RE73/RE73L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/33

TUB-test chart RE73; 1080 standard colours, $cf=0.9$ colors and differences. ΔE^* ,

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

[illegible]



TUB material: code=rha4ta
cmyn6 (CMYK)

TUB-test chart RE73; 1080 standard colours, $c^* = 0,9$
input: *rgb/cmyk* - > *rgbd*
output: transfer to *cmykd*

TUB-test chart RE73; 1080 standard colours, $cf=0,9$
 colors and differences, ΔE^*

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

see similar files: <http://130.149.60.45/~farbmatrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/RE73/RE73LONA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 31/33

TUB-test chart RE73; 1080 standard colours, $c^*=0,9$
 colors and differences, ΔE^*

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

[illegible]

<http://130.149.60.45/~farbmatrik/RE73/RE73L0NA.TXT> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 32/33

n	H1C*Fid	rgb_Fid	ic_Fid	hs_Fid	LabCH*Fid	rgb**Fid	LabCH**Fid	DF**Fid	hsM_d	rgb**M_d	LabCH**M_d
972	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	360	0.0
973	NW_0124	0.125	0.125	0.125	0.125	0.125	0.125	0.5	261.0	5.6	96.2
974	NW_0254	0.25	0.25	0.25	0.25	0.25	0.25	1.2	268.4	1.5	360
975	NW_0374	0.375	0.375	0.375	0.375	0.375	0.375	-0.9	271.7	1.0	96.2
976	NW_0504	0.5	0.5	0.5	0.5	0.5	0.5	-1.1	276.3	2.6	360
977	NW_0624	0.625	0.625	0.625	0.625	0.625	0.625	-0.9	275.2	3.7	360
978	NW_0754	0.75	0.75	0.75	0.75	0.75	0.75	-0.4	292.0	3.6	360
979	NW_0874	0.875	0.875	0.875	0.875	0.875	0.875	0.1	325.5	3.4	96.2
980	NW_1004	1.0	1.0	1.0	1.0	1.0	1.0	-0.3	283.1	0.3	360
981	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	218.8	2.8	360
982	NW_0124	0.125	0.125	0.125	0.125	0.125	0.125	-0.6	266.0	6.7	360
983	NW_0254	0.25	0.25	0.25	0.25	0.25	0.25	-1.2	270.3	2.1	360
984	NW_0374	0.375	0.375	0.375	0.375	0.375	0.375	0.1	276.0	1.1	360
985	NW_0504	0.5	0.5	0.5	0.5	0.5	0.5	-1.1	279.2	2.0	96.2
986	NW_0624	0.625	0.625	0.625	0.625	0.625	0.625	-1.0	282.1	3.3	360
987	NW_0754	0.75	0.75	0.75	0.75	0.75	0.75	0.6	293.1	3.0	96.2
988	NW_0874	0.875	0.875	0.875	0.875	0.875	0.875	-0.2	310.2	3.6	360
989	NW_1004	1.0	1.0	1.0	1.0	1.0	1.0	-0.4	285.7	0.4	360
990	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119.9	3.1	360
991	NW_0124	0.125	0.125	0.125	0.125	0.125	0.125	-0.6	268.2	7.0	360
992	NW_0254	0.25	0.25	0.25	0.25	0.25	0.25	-0.9	270.0	2.7	360
993	NW_0374	0.375	0.375	0.375	0.375	0.375	0.375	0.1	278.2	1.0	360
994	NW_0504	0.5	0.5	0.5	0.5	0.5	0.5	-0.8	280.8	1.5	360
995	NW_0624	0.625	0.625	0.625	0.625	0.625	0.625	-0.9	283.6	3.2	360
996	NW_0754	0.75	0.75	0.75	0.75	0.75	0.75	-0.3	282.7	3.9	360
997	NW_0874	0.875	0.875	0.875	0.875	0.875	0.875	0.5	273.8	3.0	96.2
998	NW_1004	1.0	1.0	1.0	1.0	1.0	1.0	-0.2	311.6	3.3	360
999	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116.8	3.3	360
1000	NW_0124	0.125	0.125	0.125	0.125	0.125	0.125	-0.4	257.1	7.3	360
1001	NW_0254	0.25	0.25	0.25	0.25	0.25	0.25	-0.9	267.5	2.5	360
1002	NW_0374	0.375	0.375	0.375	0.375	0.375	0.375	0.0	273.3	0.8	360
1003	NW_0504	0.5	0.5	0.5	0.5	0.5	0.5	-0.7	282.9	1.0	96.2
1004	NW_0624	0.625	0.625	0.625	0.625	0.625	0.625	-0.6	283.9	2.4	360
1005	NW_0754	0.75	0.75	0.75	0.75	0.75	0.75	-0.2	310.0	2.8	360
1006	NW_0874	0.875	0.875	0.875	0.875	0.875	0.875	0.0	9.4	3.7	360
1007	NW_1004	1.0	1.0	1.0	1.0	1.0	1.0	-0.1	272.3	0.1	360
1008	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144.8	3.4	360
1009	NW_0124	0.125	0.125	0.125	0.125	0.125	0.125	-0.1	268.5	5.0	360
1010	NW_0254	0.25	0.25	0.25	0.25	0.25	0.25	-0.8	269.7	3.6	360
1011	NW_0374	0.375	0.375	0.375	0.375	0.375	0.375	0.0	268.3	1.5	360
1012	NW_0504	0.5	0.5	0.5	0.5	0.5	0.5	-1.2	271.6	2.0	96.2
1013	NW_0624	0.625	0.625	0.625	0.625	0.625	0.625	-1.0	274.0	1.6	360
1014	NW_0754	0.75	0.75	0.75	0.75	0.75	0.75	0.0	275.6	2.4	360
1015	NW_0874	0.875	0.875	0.875	0.875	0.875	0.875	-1.1	277.8	2.1	96.2
1016	NW_1004	1.0	1.0	1.0	1.0	1.0	1.0	-0.9	279.0	2.7	360
1017	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	280.8	3.5	360
1018	NW_0124	0.125	0.125	0.125	0.125	0.125	0.125	-0.6	284.3	3.2	360
1019	NW_0254	0.25	0.25	0.25	0.25	0.25	0.25	-0.3	296.9	3.2	360
1020	NW_0374	0.375	0.375	0.375	0.375	0.375	0.375	0.0	340.9	2.4	360
1021	NW_0504	0.5	0.5	0.5	0.5	0.5	0.5	0.0	321.2	2.0	360
1022	NW_0624	0.625	0.625	0.625	0.625	0.625	0.625	-0.1	253.3	0.1	360
1023	NW_0754	0.75	0.75	0.75	0.75	0.75	0.75	0.0	67.5	3.6	360
1024	NW_0874	0.875	0.875	0.875	0.875	0.875	0.875	-0.1	298.2	4.9	360
1025	NW_1004	1.0	1.0	1.0	1.0	1.0	1.0	-0.7	270.9	3.7	360
1026	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	-1.1	270.3	2.0	360
1027	NW_0124	0.125	0.125	0.125	0.125	0.125	0.125	-1.2	277.4	1.7	360
1028	NW_0254	0.25	0.25	0.25	0.25	0.25	0.25	0.0	277.4	2.1	360
1029	NW_0374	0.375	0.375	0.375	0.375	0.375	0.375	0.1	279.4	1.5	360
1030	NW_0504	0.5	0.5	0.5	0.5	0.5	0.5	-0.9	281.9	1.5	360
1031	NW_0624	0.625	0.625	0.625	0.625	0.625	0.625	-0.9	283.0	2.9	360
1032	NW_0754	0.75	0.75	0.75	0.75	0.75	0.75	-0.9	284.9	2.6	360
1033	NW_0874	0.875	0.875	0.875	0.875	0.875	0.875	-0.6	298.2	2.7	360
1034	NW_1004	1.0	1.0	1.0	1.0	1.0	1.0	-0.4	298.2	2.6	360
1035	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	320.4	2.5	360
1036	NW_0124	0.125	0.125	0.125	0.125	0.125	0.125	-0.2	305.1	2.1	360
1037	NW_0254	0.25	0.25	0.25	0.25	0.25	0.25	0.0	61.0	4.2	360
1038	NW_0374	0.375	0.375	0.375	0.375	0.375	0.375	0.1	317.6	5.6	360
1039	NW_0504	0.5	0.5	0.5	0.5	0.5	0.5	-0.7	273.7	4.2	360
1040	NW_0624	0.625	0.625	0.625	0.625	0.625	0.625	-0.8	273.5	2.3	360
1041	NW_0754	0.75	0.75	0.75	0.75	0.75	0.75	-1.0	276.4	1.4	360
1042	NW_0874	0.875	0.875	0.875	0.875	0.875	0.875	-0.9	276.8	0.9	360
1043	NW_1004	1.0	1.0	1.0	1.0	1.0	1.0	-0.9	284.1	1.7	360
1044	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	283.9	1.1	360
1045	NW_0124	0.125	0.125	0.125	0.125	0.125	0.125	-0.6	285.1	2.0	360
1046	NW_0254	0.25	0.25	0.25	0.25	0.25	0.25	-0.6	286.3	2.2	360
1047	NW_0374	0.375	0.375	0.375	0.375	0.375	0.375	-0.7	290.9	2.4	360
1048	NW_0504	0.5	0.5	0.5	0.5	0.5	0.5	-0.7	307.9	2.4	360
1049	NW_0624	0.625	0.625	0.625	0.625	0.625	0.625	-0.2	322.8	1.9	360
1050	NW_0754	0.75	0.75	0.75	0.75	0.75	0.75	0.0	82.1	0.8	360
1051	NW_0874	0.875	0.875	0.875	0.875	0.875	0.875	-0.2	82.1	0.8	360
1052	NW_1004	1.0	1.0	1.0	1.0	1.0	1.0	0.0	82.1	0.8	360

Mean color difference of this page: $\Delta E^* = 2.6$

TUB-test chart RE73; 1080 standard colours, $cf=0.9$
colors and differences, ΔE^*
input: *rgb/cmyk* -> *rgba*
output: transfer to *cmykd*

TUB registration: 20150701-RE73/RE73L0NA.TXT /.PS
application for measurement of laser printer output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

<http://130.149.60.45/~farbmetrik/RE73/RE73L0NA.TXT> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33

TUB-test chart RE73; 1080 standard colours, $cf=0.9$
colors and differences, ΔE^*
input: *rgb/cmyk* - > *rgba*
output: transfer to *cmykd*

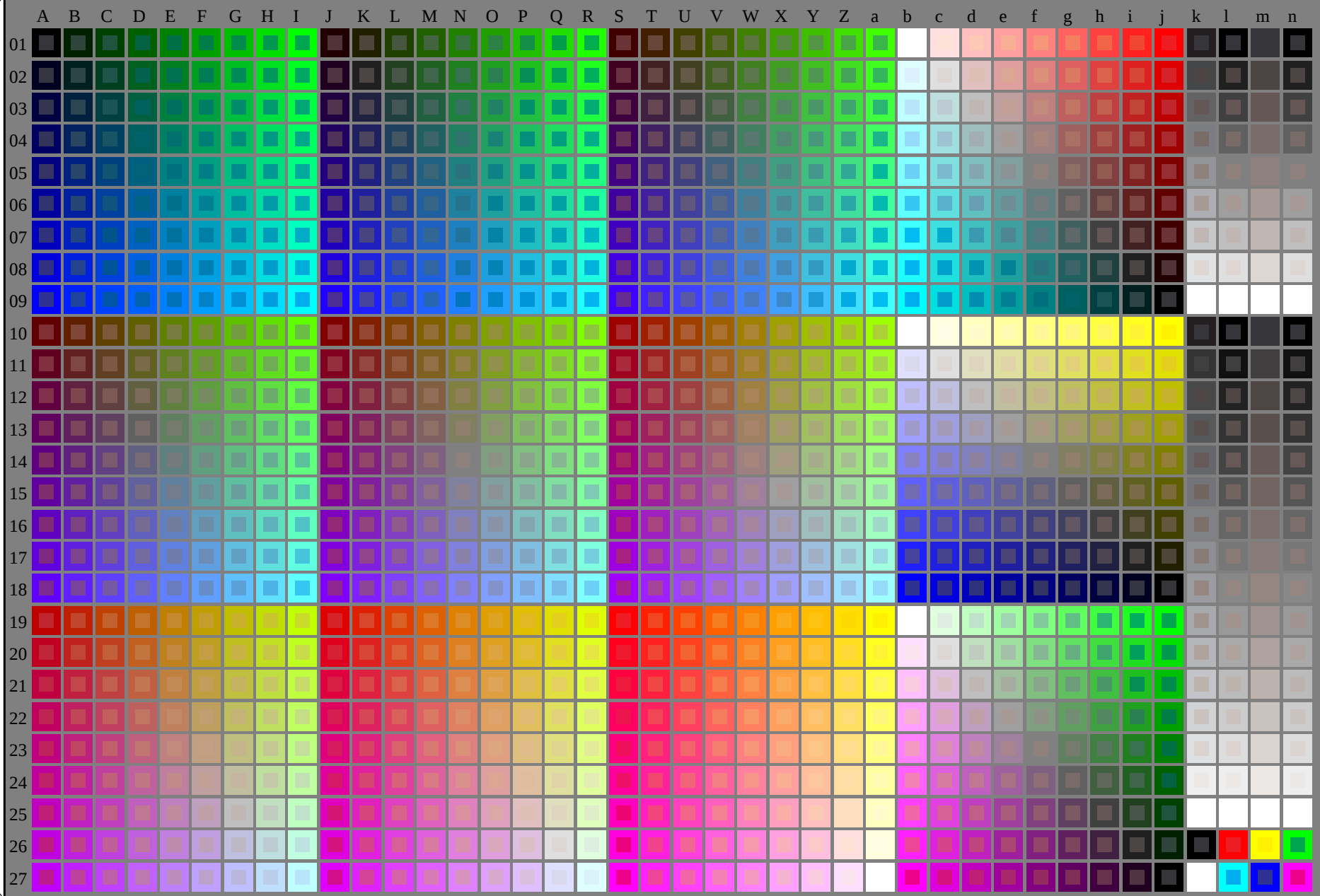
n	HVC*Fid	rgb_Fid	icL_Fid	hsv_Fid	LabCH*Fid	rgb*Fid	LabCH*Fid	DE*Fid	hsv_d	rgb*Md	LabCH*Md	
1053	NW_086d	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	85.5 0.0 0.0	0.0 0.0 0.0	0.866 0.866 0.866	87.5 0.1 0.0	14.3 1.9 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1054	NW_093d	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	90.9 0.0 0.0	0.0 0.0 0.0	0.933 0.933 0.933	92.9 0.2 0.0	304.0 2.0 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1055	NW_100d	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	96.2 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	96.2 0.0 0.0	245.9 0.1 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1056	NW_000d	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	16.3 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	11.5 0.0 0.0	82.0 4.8 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1057	NW_006d	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	21.6 0.0 0.0	0.0 0.0 0.0	0.066 0.066 0.066	14.8 0.0 0.0	78.2 6.8 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1058	NW_013d	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	27.0 0.0 0.0	0.0 0.0 0.0	0.133 0.133 0.133	21.9 0.0 0.0	270.8 5.0 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1059	NW_020d	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	32.3 0.0 0.0	0.0 0.0 0.0	0.2 0.2 0.2	29.5 0.0 0.0	274.4 2.9 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1060	NW_026d	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	37.6 0.0 0.0	0.0 0.0 0.0	0.266 0.266 0.266	38.1 0.0 0.0	278.2 0.9 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1061	NW_033d	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	42.9 0.0 0.0	0.0 0.0 0.0	0.333 0.333 0.333	42.6 0.1 0.0	278.3 1.3 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1062	NW_040d	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	48.3 0.0 0.0	0.0 0.0 0.0	0.4 0.4 0.4	49.3 0.1 0.0	282.7 2.1 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1063	NW_046d	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	53.6 0.0 0.0	0.0 0.0 0.0	0.466 0.466 0.466	54.1 0.1 0.0	286.3 0.8 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1064	NW_053d	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	58.9 0.0 0.0	0.0 0.0 0.0	0.533 0.533 0.533	61.0 0.1 0.0	286.2 2.2 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1065	NW_060d	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	64.3 0.0 0.0	0.0 0.0 0.0	0.6 0.6 0.6	66.4 0.1 0.0	288.3 2.3 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1066	NW_066d	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	69.6 0.0 0.0	0.0 0.0 0.0	0.666 0.666 0.666	71.9 0.1 0.0	314.2 2.2 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1067	NW_073d	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	75.0 0.0 0.0	0.0 0.0 0.0	0.734 0.734 0.734	77.2 0.2 0.0	15.2 1.5 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1068	NW_080d	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	80.3 0.0 0.0	0.0 0.0 0.0	0.8 0.8 0.8	81.8 0.2 0.0	2.0 2.1 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1069	NW_086d	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	85.5 0.0 0.0	0.0 0.0 0.0	0.866 0.866 0.866	87.6 0.1 0.0	1.7 1.7 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1070	NW_093d	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	90.9 0.0 0.0	0.0 0.0 0.0	0.933 0.933 0.933	92.7 0.0 0.1	70.4 0.1 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1071	NW_100d	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	96.2 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	96.2 0.0 0.0	109.2 0.0 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1072	NW_000d	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	16.3 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	11.5 0.0 0.0	39.8 1.7 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1073	ROY_100_100d	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	96.2 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	96.2 0.0 0.0	109.2 0.0 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1074	ROY_100_100d	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	96.2 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	96.2 0.0 0.0	109.2 0.0 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1075	G50B_100_100d	0.0 1.0 0.0	0.0 1.0 0.0	0.0 1.0 0.0	53.0 0.0 0.0	0.0 0.0 0.0	0.0 1.0 0.0	53.0 0.0 0.0	34.3 1.2 360	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1076	Y06C_100_100d	0.0 1.0 0.0	0.0 1.0 0.0	0.0 1.0 0.0	91.3 0.0 0.0	0.0 0.0 0.0	0.0 1.0 0.0	91.2 0.0 0.0	230.6 0.3 210	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1077	B00R_100_100d	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	21.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 1.0	22.5 0.0 0.0	89.4 3.7 89	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1078	B00R_100_100d	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	21.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 1.0	22.5 0.0 0.0	89.4 3.7 89	1.0 1.0 1.0	96.2 0.0 0.0	0.0
1079	B50R_100_100d	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	53.7 0.0 0.0	0.0 0.0 0.0	0.0 0.0 1.0	54.9 0.0 0.0	139.8 2.6 270	1.0 1.0 1.0	96.2 0.0 0.0	0.0
					47.7 70.4 -10.9				351.1			

Mean color difference of this page: $\Delta E^* = 2.1$

see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE73/RE73L0NA.TXT /.PS
application for measurement of laser printer output

TUB material: code=rha4ta



RE730-7N_RGB 1-013030-L0

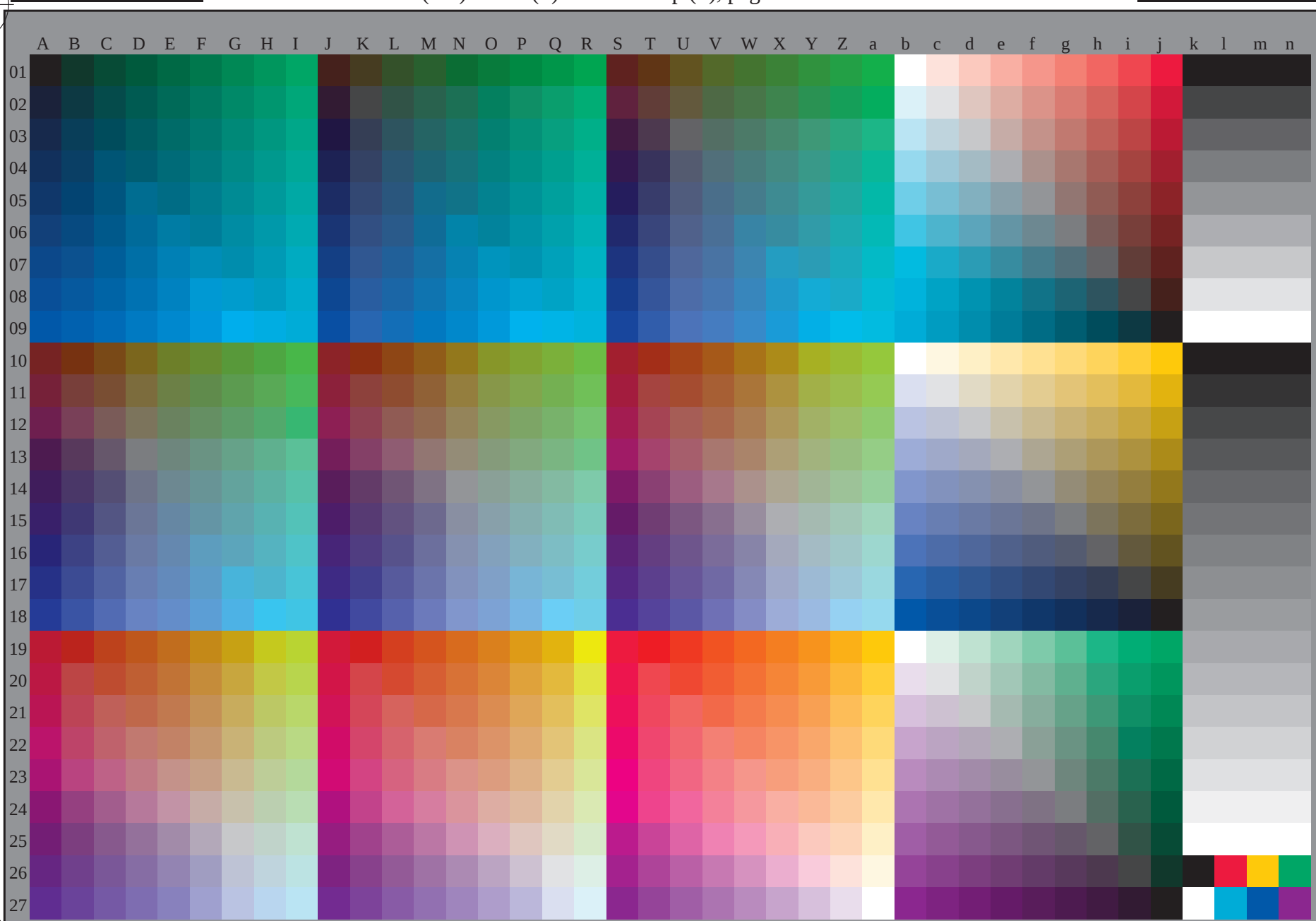
TUB-test chart RE73; 1080 standard colours, $cf=0,9$
Test chart according to DIN 33872

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 = 0

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

see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE73/RE73L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmykn6 (CMYK)



RE730-71 1-013130-L0

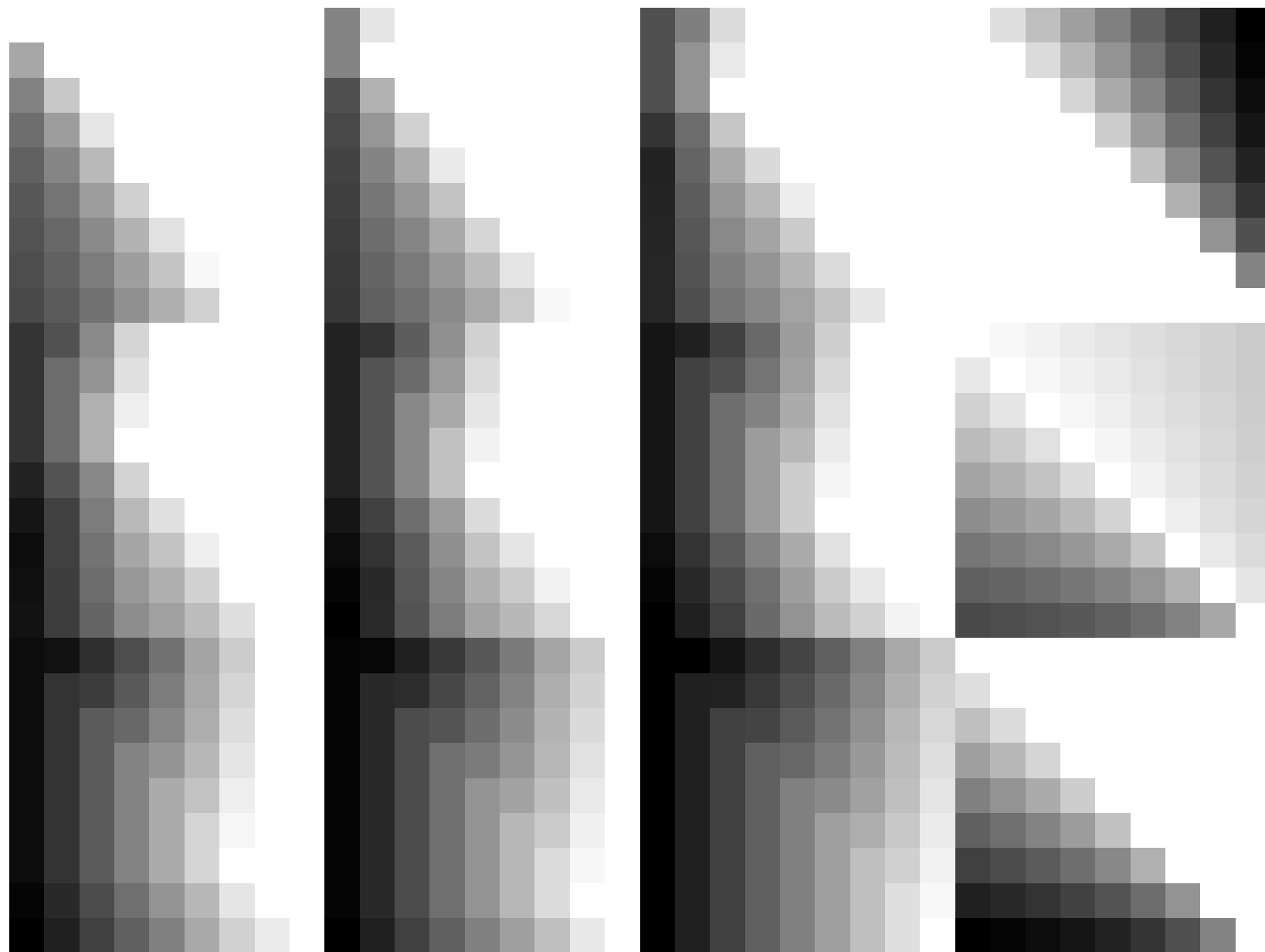
TUB-test chart RE73; 1080 standard colours, $cf=0,9$
Test chart according to DIN 33872, 3D=0, $de=1$, cmyk

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmyk_e$

1-013130-F0

see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



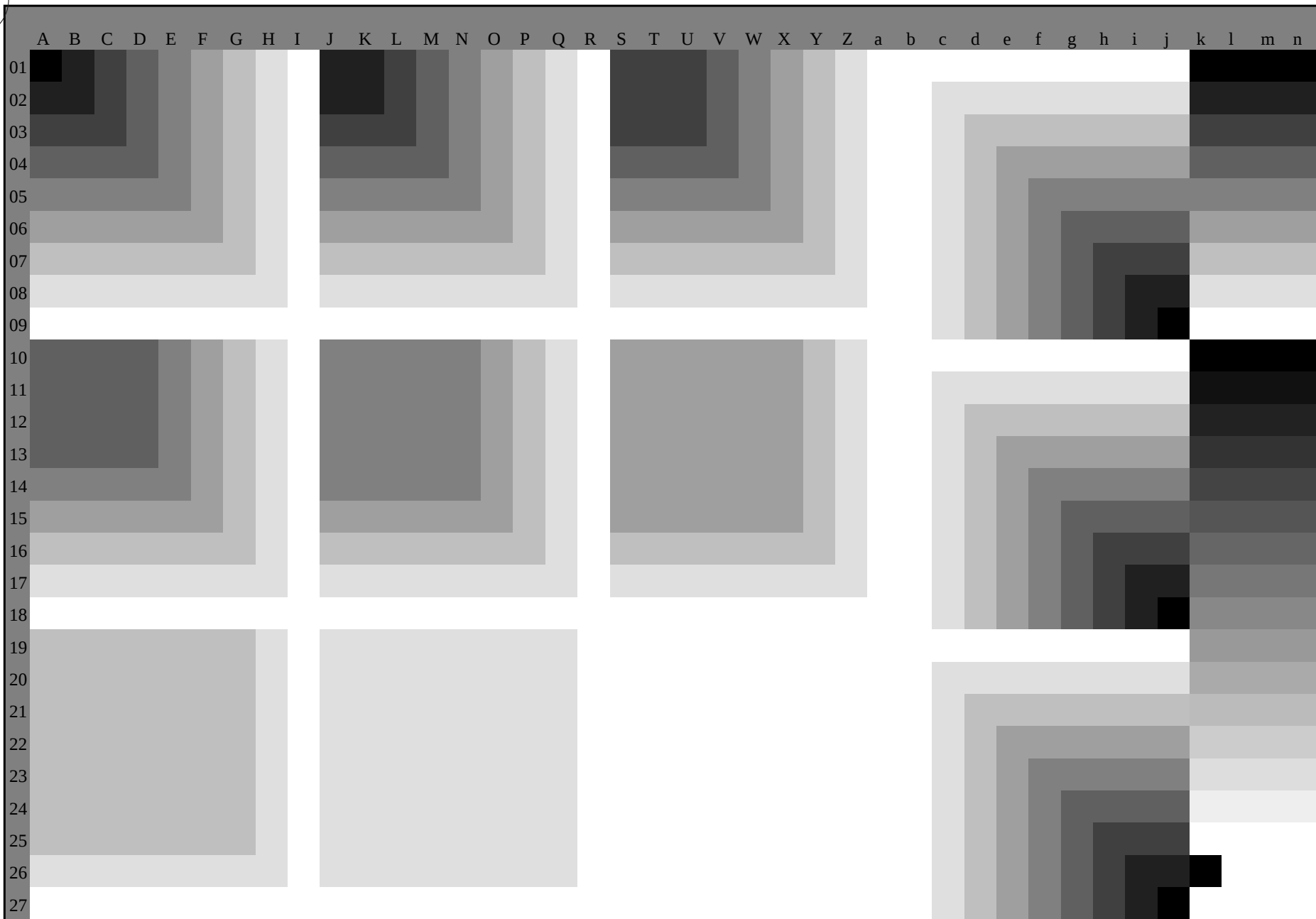
TUB-test chart RE73; 1080 standard colours, $cf=0,9$
Test chart according to DIN 33872

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmyk_e$

see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

see similar files: <http://130.149.60.45/~farbmetrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE73/RE73L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyk6 (CMYK)



RE730-71

1-013530-L0

Test chart G with 40x27=1080 colours; equidistant 9 or 16 step colour scales; Colour data in column (A-n);, 3D = 0

TUB-test chart RE73; 1080 standard colours, $cf=0,9$
Test chart according to DIN 33872

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmyk_e$

1-013530-E0

C

M

Y

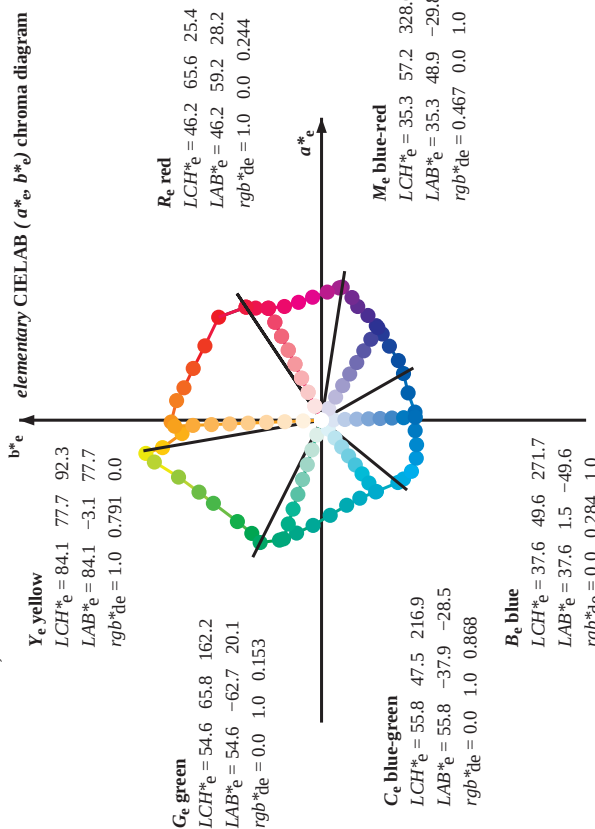
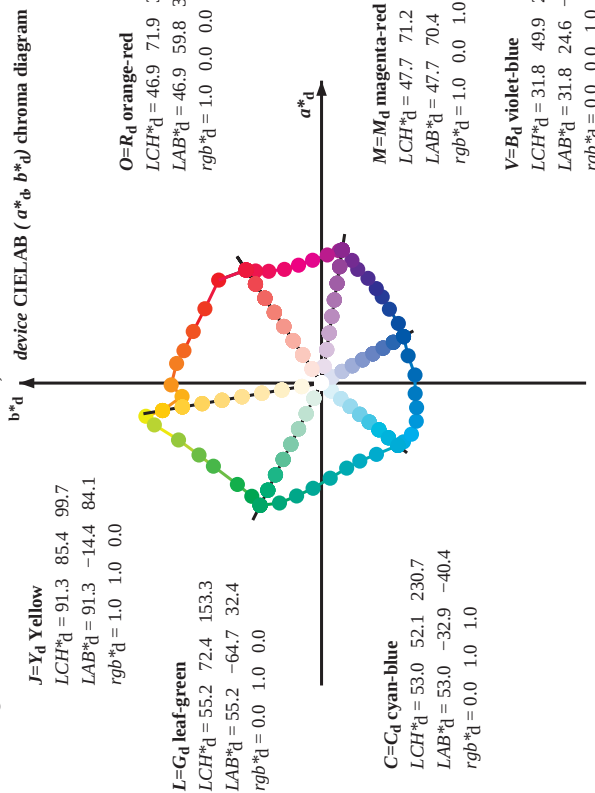
O

L

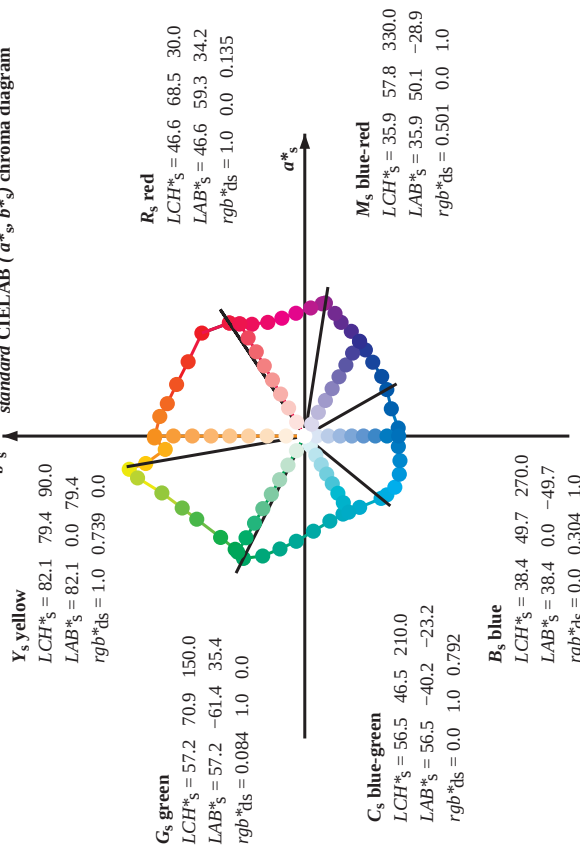
V

C

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 RYGBCM; $h_{ab,d} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours RYGBCM; $h_{ab,d} = 33.7, 99.8, 153.4, 230.8, 299.6, 351.2$; Six hue angles of the elementary colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



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)

- For the rgb^*_e -input values the CIELAB data LCH^*_e and LAB^*_e have been calculated.
- For the calculation of the standard hue angle h_{ab} use for any device values rgb^*_e the equation:

$$h_{ab,s} = \arctan \left[\frac{r^*_d \cos(30) + g^*_d \sin(150)}{1 / r^*_d \sin(30) + g^*_d \sin(150)} + b^*_d \sin(270) \right] \quad (1)$$
- 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:

$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$

$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- For the 48 or 360 elementary hue angles h_{ab} of the colours of maximum chroma use the seven hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:

$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$

$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- For any elementary hue angle h_{ab} there is a well defined device hue angle $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4.
- The values rgb^*_e produce the output of the device-independent elementary hues

RE730-71 1-013630-L0

LAB*_{ab}, YN=0%, XY Znw=2.1, 2.2, 2.2, 85.7, 90.7, 95.0, LAB*_{nw}=16.4, 0.0, 0.0, 96.3, 0.0, 0.0, not adapted=adapted
TUB-test chart RE73; 1080 standard colours, cf=0.9
48 step hue circles; $rgb-LabCh$ *tables

input: $rgb/cmyk - > rgb_e$
output: transfer to $cmyk_e$

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

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

TUB-test chart RE73; 1080 standard colours, $cf=0,9$
48 step hue circles; $rgb-LabCh^*$ tables

TUB registration: 20150701-RE73/RE73L0NA.TXT /PS
application for measurement of laser printer output, separation cmykn6 (CMYK)

TUB material: code=rha4ta

Six hue angles of the device colours RYGBM; $h_{ab,d} = 33.7, 99.8, 153.4, 230.8, 299.6, 351.2$; 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 60 degree standard colours RYGBM; $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Data of Maximum color M in colorimetric system Offset standard print; separation cmykn6* D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;			LAB* d64M (x=LabCh)			rgb* d64M			LAB* d64M			rgb* d64M		
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$
33.7	30.0	25.4	1.0	0.0	0.0	46.9	59.8	39.9	71.9	33.7	33.7	1.0	0.0	0.0
44.9	37.5	33.8	1.0	0.125	0.0	52.8	54.4	54.4	77.0	44.9	44.9	1.0	0.0	0.0
57.4	45.0	42.1	1.0	0.25	0.0	60.3	39.3	61.7	73.2	57.4	57.4	1.0	0.094	0.0
68.0	52.5	50.5	1.0	0.375	0.0	66.7	27.3	67.8	73.1	68.0	68.0	1.0	0.175	0.0
76.7	60.0	58.8	1.0	0.5	0.0	72.2	17.1	72.8	74.8	76.7	76.7	1.0	0.267	0.0
82.3	67.5	67.2	1.0	0.625	0.0	76.0	10.3	76.7	77.4	82.3	82.3	1.0	0.359	0.0
90.7	75.0	75.6	1.0	0.75	0.0	82.7	-1.0	79.6	79.6	90.7	90.7	1.0	0.484	0.0
95.4	82.5	83.9	1.0	0.875	0.0	86.9	-7.0	73.8	74.1	95.4	95.4	1.0	0.641	0.0
99.7	90.0	92.3	1.0	1.0	0.0	91.3	-14.4	84.1	85.4	99.7	99.7	1.0	0.792	0.0
100.7	97.5	101.0	0.875	1.0	0.0	92.9	-17.5	92.9	94.5	100.7	100.7	0.875	1.0	0.0
104.0	105.0	109.7	0.75	1.0	0.0	89.2	-22.0	88.4	91.1	104.0	104.0	0.75	1.0	0.0
111.6	112.5	118.5	0.625	1.0	0.0	81.2	-30.0	75.6	81.4	111.6	111.6	0.625	1.0	0.0
120.4	120.0	127.2	0.5	1.0	0.0	73.9	-38.0	64.8	75.2	120.4	120.4	0.5	1.0	0.0
127.5	127.5	136.0	0.375	1.0	0.0	69.3	-44.0	57.2	72.1	127.5	127.5	0.375	1.0	0.0
140.2	135.0	144.7	0.25	1.0	0.0	62.2	-53.6	44.5	69.7	140.2	140.2	0.25	1.0	0.0
148.3	142.5	153.4	0.125	1.0	0.0	58.1	-59.8	36.8	70.3	148.3	148.3	0.125	1.0	0.0
153.3	150.0	162.2	0.0	1.0	0.0	55.2	-64.7	32.4	72.4	153.3	153.3	0.0	1.0	0.0
160.6	157.5	169.0	0.0	1.0	0.125	54.9	-63.4	22.2	67.2	160.6	160.6	0.0	1.0	0.125
167.5	165.0	175.9	0.0	1.0	0.25	54.9	-59.7	13.1	61.1	167.5	167.5	0.0	1.0	0.25
175.3	172.5	182.7	0.0	1.0	0.375	55.5	-55.6	4.5	55.8	175.3	175.3	0.0	1.0	0.375
185.1	180.0	189.6	0.0	1.0	0.5	56.5	-50.3	-4.5	50.5	185.1	185.1	0.0	1.0	0.5
196.4	187.5	196.4	0.0	1.0	0.625	57.0	-45.0	-13.2	46.9	196.4	196.4	0.0	1.0	0.625
206.0	195.0	203.2	0.0	1.0	0.75	56.9	-41.2	-20.2	45.9	206.0	206.0	0.0	1.0	0.75
217.5	202.5	210.1	0.0	1.0	0.875	55.8	-37.7	-29.0	47.6	217.5	217.5	0.0	1.0	0.875
230.7	210.0	216.9	0.0	1.0	1.0	53.0	-32.9	-40.4	52.1	230.7	230.7	0.0	1.0	1.0
234.3	217.5	223.8	0.0	0.875	1.0	52.5	-31.1	-43.3	53.4	234.3	234.3	0.0	0.875	1.0
240.4	225.0	230.6	0.0	0.75	1.0	52.6	-27.0	-47.6	54.7	240.4	240.4	0.0	0.75	1.0
248.0	232.5	237.5	0.0	0.625	1.0	50.0	-20.1	-50.0	53.9	248.0	248.0	0.0	0.625	1.0
255.4	240.0	244.3	0.0	0.5	1.0	45.6	-13.0	-50.3	51.9	255.4	255.4	0.0	0.5	1.0
263.5	247.5	251.2	0.0	0.375	1.0	41.6	-5.5	-49.5	49.8	263.5	263.5	0.0	0.375	1.0
274.9	255.0	258.0	0.0	0.25	1.0	36.0	4.2	-49.4	49.6	274.9	274.9	0.0	0.25	1.0
287.4	262.5	264.8	0.0	0.125	1.0	34.6	14.4	-45.8	48.0	287.4	287.4	0.0	0.125	1.0
299.6	270.0	271.7	0.0	0.0	1.0	31.8	24.6	-43.3	49.9	299.6	299.6	0.0	0.0	1.0
307.7	277.5	278.8	0.125	0.0	1.0	31.2	31.5	-40.6	51.4	307.7	307.7	0.125	0.0	1.0
317.3	285.0	285.9	0.25	0.0	1.0	31.2	39.0	-35.9	53.1	317.3	317.3	0.25	0.0	1.0
324.8	292.5	293.0	0.375	0.0	1.0	33.4	45.6	-32.1	55.7	324.8	324.8	0.375	0.0	1.0
329.9	300.0	300.1	0.5	0.0	1.0	35.9	50.0	-28.9	57.8	329.9	329.9	0.5	0.0	1.0
336.0	307.5	307.2	0.625	0.0	1.0	38.7	55.4	-24.5	60.6	336.0	336.0	0.625	0.0	1.0
342.3	315.0	314.3	0.75	0.0	1.0	41.7	60.2	-19.1	63.1	342.3	342.3	0.75	0.0	1.0
346.1	322.5	321.4	0.875	0.0	1.0	44.4	64.8	-16.0	66.8	346.1	346.1	0.875	0.0	1.0
351.1	330.0	328.6	1.0	0.0	1.0	47.7	70.4	-10.9	71.2	351.1	351.1	1.0	0.0	1.0
352.4	337.5	335.7	1.0	0.0	0.875	47.1	70.0	-9.2	70.6	352.4	352.4	1.0	0.0	0.875
357.3	345.0	342.8	1.0	0.0	0.75	46.2	67.7	-3.0	67.7	357.3	357.3	1.0	0.0	0.75
364.1	352.5	349.9	1.0	0.0	0.625	46.2	65.0	4.7	65.1	364.1	364.1	1.0	0.0	0.625
371.0	360.0	357.0	1.0	0.0	0.5	45.8	62.3	12.1	63.5	371.0	371.0	1.0	0.0	0.5
378.0	367.5	364.1	1.0	0.0	0.375	45.9	60.1	19.6	63.3	378.0	378.0	1.0	0.0	0.375
385.2	375.0	371.2	1.0	0.0	0.25	46.2	59.2	27.9	65.4	385.2	385.2	1.0	0.0	0.25
390.4	382.5	378.3	1.0	0.0	0.125	46.6	59.3	34.8	68.8	390.4	390.4	1.0	0.0	0.125
393.7	390.0	385.4	1.0	0.0	0.0	46.9	59.8	39.9	71.9	393.7	393.7	1.0	0.0	0.0

LAB*lab,0, 2.2, 2.2, 2.2, 85.7, 90.7, 95.0, LAB*mnw=16.4, 0.0, 0.0, 96.3, 0.0, 0.0, not adapted=adapted

TUB-test chart RE73; 1080 standard colours, cf=0.9
48 step hue circles; rgb-LabCh*tables

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

Output: Offset standard print; separation cmykn6*, D65, page 9/33

TUB registration: 20150701-RE73/RE73L0NA.TXT /PS
application for measurement of laser printer output, separation cmykn6 (CMYK)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmykn6* D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM; $h_{ab,d65} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;									
Six hue angles of the device colours RYGBCM; $h_{ab,d} = 33.7, 99.8, 153.4, 230.8, 299.6, 351.2$; Six hue angles of the elementary colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{ab}	rgb^*_{ab}	rgb^*_{ab}	rgb^*_{ab}	rgb^*_{ab}	rgb^*_{ab}	rgb^*_{ab}
167	165	175	0.0	1.0	0.25	54.9	-59.7	13.1	61.1
168	166	176	0.0	1.0	0.266	55.0	-59.2	11.9	60.4
169	167	177	0.0	1.0	0.283	55.1	-58.7	10.7	59.7
170	168	178	0.0	1.0	0.3	55.1	-58.2	9.5	59.0
171	169	179	0.0	1.0	0.316	55.2	-57.8	8.3	58.3
172	170	180	0.0	1.0	0.333	55.3	-57.1	7.2	57.5
173	171	181	0.0	1.0	0.35	55.4	-56.5	6.1	56.8
174	172	182	0.0	1.0	0.366	55.4	-55.9	5.0	56.1
176	173	183	0.0	1.0	0.383	55.5	-55.3	3.8	55.4
177	174	184	0.0	1.0	0.4	55.7	-54.6	2.5	54.7
178	175	185	0.0	1.0	0.416	55.8	-54.0	1.2	54.0
179	176	186	0.0	1.0	0.433	56.0	-53.0	0.0	53.3
181	177	188	0.0	1.0	0.45	56.1	-52.6	-1.1	52.6
182	178	187	0.0	1.0	0.466	56.3	-51.8	-2.3	51.9
183	179	188	0.0	1.0	0.483	56.4	-51.1	-3.4	51.2
185	180	189	0.0	1.0	0.5	56.5	-50.3	-4.5	50.5
186	181	190	0.0	1.0	0.516	56.6	-49.7	-5.8	50.0
188	182	191	0.0	1.0	0.533	56.7	-49.0	-7.0	49.5
189	183	192	0.0	1.0	0.55	56.7	-48.4	-8.2	49.1
191	184	193	0.0	1.0	0.566	56.8	-47.7	-9.4	48.6
192	185	194	0.0	1.0	0.583	56.9	-46.9	-10.5	48.1
194	186	195	0.0	1.0	0.6	56.9	-46.2	-11.6	47.6
195	187	196	0.0	1.0	0.616	57.0	-45.4	-12.7	47.1
197	188	198	0.0	1.0	0.633	57.0	-44.8	-13.7	46.8
198	189	197	0.0	1.0	0.65	57.0	-44.3	-14.7	46.7
199	190	198	0.0	1.0	0.666	57.0	-43.9	-15.6	46.6
200	191	199	0.0	1.0	0.683	57.0	-43.4	-16.6	46.4
202	192	200	0.0	1.0	0.7	56.9	-42.9	-17.5	46.3
203	193	201	0.0	1.0	0.716	56.9	-42.3	-18.4	46.2
204	194	202	0.0	1.0	0.733	56.9	-41.8	-19.3	46.1
206	195	203	0.0	1.0	0.75	56.9	-41.2	-20.2	45.9
207	196	204	0.0	1.0	0.766	56.7	-40.9	-21.4	46.1
209	197	205	0.0	1.0	0.783	56.6	-40.5	-22.6	46.4
210	198	206	0.0	1.0	0.8	56.4	-40.0	-23.8	46.6
212	199	206	0.0	1.0	0.816	56.3	-39.6	-24.9	46.8
213	200	207	0.0	1.0	0.833	56.1	-39.1	-26.1	47.0
215	201	208	0.0	1.0	0.85	56.0	-38.5	-27.3	47.2
216	202	209	0.0	1.0	0.866	55.9	-38.0	-28.4	47.5
218	203	210	0.0	1.0	0.883	55.6	-37.5	-29.8	47.9
220	204	211	0.0	1.0	0.9	55.2	-37.0	-31.3	48.5
221	205	212	0.0	1.0	0.916	54.8	-36.5	-32.8	49.1
223	206	213	0.0	1.0	0.933	54.5	-35.9	-34.3	49.7
225	207	214	0.0	1.0	0.95	54.1	-35.2	-35.9	50.3
227	208	215	0.0	1.0	0.966	53.7	-34.5	-37.4	50.9
229	209	216	0.0	1.0	0.983	53.4	-33.8	-38.9	51.5
230	210	216	0.0	1.0	1.0	53.0	-32.9	-40.4	52.1
230	210	216	0.0	1.0	1.0	53.0	-32.9	-40.4	52.1
LAB* a_{ab} , YN=0%, XY Zmw=2.1, 2.2, 2.2, 85.7, 90.7, 95.0, LAB* m_w =16.4, 0.0, 0.0, 96.3, 0.0, 0.0, not adapted=adapted									
1-0131230-L0	1-0131230-L0	1-0131230-L0	1-0131230-L0	1-0131230-L0	1-0131230-L0	1-0131230-L0	1-0131230-L0	1-0131230-L0	1-0131230-L0

see similar files: <http://130.149.60.45/~farbmatrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart RE73; 1080 standard colours, $cf=0.9$
48 step hue circles; $rgb-LabCh$ *tables
input: $rgb/cmyk -> rgb$
output: transfer to $cmyk$

Output: Offset standard print; separation cmykn6*, D65, page 13/38

nj	HC*Fe	rgb_Fe	ic_Fe	hs_Fe	rgb*Fe	LabCH*Fe	LabCH*Fe	rgb*Fe	DF*Fe	hs*Fe	rgb*Fe	LabCH*Fe	LabCH*Fe
0/648	R00Y_100_100e	1.0	0.0	1.0	0.5	390	46.2	0.0	0.244	46.2	0.0	0.244	46.2
1/657	R13Y_100_100e	1.0	0.125	1.0	1.0	370	46.9	0.0	0.017	50.8	0.0	0.017	50.8
2/666	R25Y_100_100e	1.0	0.25	1.0	1.0	350	47.5	0.0	0.081	50.8	0.0	0.081	50.8
3/675	R38Y_100_100e	1.0	0.375	1.0	1.0	330	48.5	0.0	0.175	50.8	0.0	0.175	50.8
4/684	R50Y_100_100e	1.0	0.5	1.0	1.0	310	49.5	0.0	0.266	50.8	0.0	0.266	50.8
5/693	R63Y_100_100e	1.0	0.625	1.0	1.0	290	50.5	0.0	0.372	50.8	0.0	0.372	50.8
6/702	R75Y_100_100e	1.0	0.75	1.0	1.0	270	51.5	0.0	0.499	50.8	0.0	0.499	50.8
7/711	R88Y_100_100e	1.0	0.875	1.0	1.0	250	52.5	0.0	0.657	50.8	0.0	0.657	50.8
8/720	Y00C_100_100e	1.0	1.0	1.0	0.5	90	84.1	0.0	0.791	84.1	0.0	0.791	84.1
9/639	Y13C_100_100e	0.875	1.0	1.0	0.5	97	84.1	0.0	0.906	84.1	0.0	0.906	84.1
10/558	Y25C_100_100e	0.75	1.0	1.0	0.5	104	84.1	0.0	0.967	84.1	0.0	0.967	84.1
11/477	Y38C_100_100e	0.625	1.0	1.0	0.5	112	84.1	0.0	0.967	84.1	0.0	0.967	84.1
12/396	Y50C_100_100e	0.5	1.0	1.0	0.5	120	84.1	0.0	0.967	84.1	0.0	0.967	84.1
13/315	Y63C_100_100e	0.375	1.0	1.0	0.5	128	84.1	0.0	0.967	84.1	0.0	0.967	84.1
14/234	Y75C_100_100e	0.25	1.0	1.0	0.5	136	84.1	0.0	0.967	84.1	0.0	0.967	84.1
15/153	Y88C_100_100e	0.125	1.0	1.0	0.5	143	84.1	0.0	0.967	84.1	0.0	0.967	84.1
16/72	G00C_100_100e	0.0	1.0	1.0	1.0	150	54.6	0.0	0.153	54.6	0.0	0.153	54.6
17/73	G13C_100_100e	0.0	1.0	1.0	1.0	157	54.6	0.0	0.266	54.6	0.0	0.266	54.6
18/74	G25C_100_100e	0.0	1.0	1.0	1.0	164	54.6	0.0	0.368	54.6	0.0	0.368	54.6
19/75	G38C_100_100e	0.0	1.0	1.0	1.0	172	54.6	0.0	0.463	54.6	0.0	0.463	54.6
20/76	G50C_100_100e	0.0	1.0	1.0	1.0	180	54.6	0.0	0.549	54.6	0.0	0.549	54.6
21/77	G63C_100_100e	0.0	1.0	1.0	1.0	188	54.6	0.0	0.631	54.6	0.0	0.631	54.6
22/78	G75C_100_100e	0.0	1.0	1.0	1.0	196	54.6	0.0	0.725	54.6	0.0	0.725	54.6
23/79	G88C_100_100e	0.0	1.0	1.0	1.0	203	54.6	0.0	0.796	54.6	0.0	0.796	54.6
24/80	C00B_100_100e	0.0	1.0	1.0	0.5	210	37.9	0.0	0.068	37.9	0.0	0.068	37.9
25/81	C13B_100_100e	0.0	0.875	1.0	1.0	217	37.9	0.0	0.099	37.9	0.0	0.099	37.9
26/62	C25B_100_100e	0.0	0.75	1.0	1.0	224	37.9	0.0	0.149	37.9	0.0	0.149	37.9
27/63	C38B_100_100e	0.0	0.625	1.0	1.0	232	37.9	0.0	0.215	37.9	0.0	0.215	37.9
28/44	C50B_100_100e	0.0	0.5	1.0	1.0	240	37.9	0.0	0.284	37.9	0.0	0.284	37.9
29/35	C63B_100_100e	0.0	0.375	1.0	1.0	248	37.9	0.0	0.356	37.9	0.0	0.356	37.9
30/26	C75B_100_100e	0.0	0.25	1.0	1.0	256	37.9	0.0	0.446	37.9	0.0	0.446	37.9
31/17	C88B_100_100e	0.0	0.125	1.0	1.0	263	37.9	0.0	0.546	37.9	0.0	0.546	37.9
32/8	B00M_100_100e	0.0	0.0	1.0	1.0	270	37.9	0.0	0.068	37.9	0.0	0.068	37.9
33/89	B13M_100_100e	0.125	0.0	1.0	1.0	277	37.9	0.0	0.099	37.9	0.0	0.099	37.9
34/170	B25M_100_100e	0.25	0.0	1.0	1.0	284	37.9	0.0	0.149	37.9	0.0	0.149	37.9
35/251	B38M_100_100e	0.375	0.0	1.0	1.0	292	37.9	0.0	0.215	37.9	0.0	0.215	37.9
36/332	B50M_100_100e	0.5	0.0	1.0	1.0	300	37.9	0.0	0.284	37.9	0.0	0.284	37.9
37/413	B63M_100_100e	0.625	0.0	1.0	1.0	308	37.9	0.0	0.356	37.9	0.0	0.356	37.9
38/494	B75M_100_100e	0.75	0.0	1.0	1.0	316	37.9	0.0	0.446	37.9	0.0	0.446	37.9
39/575	B88M_100_100e	0.875	0.0	1.0	1.0	323	37.9	0.0	0.546	37.9	0.0	0.546	37.9
40/656	M00R_100_100e	1.0	0.0	1.0	0.5	330	48.9	0.0	0.068	48.9	0.0	0.068	48.9
41/655	M13R_100_100e	1.0	0.0	1.0	0.5	337	48.9	0.0	0.099	48.9	0.0	0.099	48.9
42/654	M25R_100_100e	1.0	0.0	1.0	0.5	344	48.9	0.0	0.149	48.9	0.0	0.149	48.9
43/653	M38R_100_100e	1.0	0.0	1.0	0.5	352	48.9	0.0	0.215	48.9	0.0	0.215	48.9
44/652	M50R_100_100e	1.0	0.0	1.0	0.5	360	48.9	0.0	0.284	48.9	0.0	0.284	48.9
45/651	M63R_100_100e	1.0	0.0	1.0	0.5	368	48.9	0.0	0.356	48.9	0.0	0.356	48.9
46/650	M75R_100_100e	1.0	0.0	1.0	0.5	376	48.9	0.0	0.446	48.9	0.0	0.446	48.9
47/649	M88R_100_100e	1.0	0.0	1.0	0.5	383	48.9	0.0	0.546	48.9	0.0	0.546	48.9
48/648	R00Y_100_100e	1.0	0.0	1.0	1.0	390	46.2	0.0	0.244	46.2	0.0	0.244	46.2
49/0	NW_000e	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50/91	NW_012e	0.125	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51/182	NW_025e	0.25	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52/273	NW_038e	0.375	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53/364	NW_050e	0.5	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54/455	NW_063e	0.625	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55/546	NW_075e	0.75	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56/637	NW_088e	0.875	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57/728	NW_100e	1.0	1.0	1.0	1.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Mean color difference of this page:

delta E* = 14.2

see similar files: <http://130.149.60.45/~farbmatrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

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

TUB-test chart RE73; 1080 standard colours, $cf=0,9$
colors and differences ΔE^* ,

2025-07-23 10:23:23

1-0132230-F0

n	HIC-Fe	rgb-Fe	lcr-Fe	h ₂ -Fe	rgb-Fe	LabCh-Fe	LabCh-Fe	rgb-Fe	LabCh-Fe	DE-Fe	h ₂ Fe	rgb-Fe	LabCh-Fe	
243	R00Y_037_037c	0.375	0.0	0.375	0.375	0.187	390	24.4	25.4	37.5	0.0	0.375	0.0	
244	R18Y_037_037c	0.375	0.0	0.375	0.375	0.187	371	22.2	24.6	37.5	0.0	0.375	0.0	
245	R18Y_037_037c	0.375	0.0	0.375	0.375	0.187	349	24.3	25.4	37.5	0.0	0.375	0.0	
246	B65R_037_037c	0.375	0.0	0.375	0.375	0.187	330	24.5	25.4	37.5	0.0	0.375	0.0	
247	B50R_037_037c	0.375	0.0	0.375	0.375	0.187	330	24.3	25.4	37.5	0.0	0.375	0.0	
248	B38R_050_050c	0.375	0.0	0.5	0.5	0.25	316	24.5	25.4	37.5	0.0	0.375	0.0	
249	B38R_062_062c	0.375	0.0	0.625	0.625	0.312	307	24.5	25.4	37.5	0.0	0.375	0.0	
250	B25R_075_075c	0.375	0.0	0.75	0.75	0.375	300	24.5	25.4	37.5	0.0	0.375	0.0	
251	B25R_087_087c	0.375	0.0	0.875	0.875	0.437	295	24.5	25.4	37.5	0.0	0.375	0.0	
252	B18R_100_100c	0.375	0.0	1.0	1.0	0.5	292	24.5	25.4	37.5	0.0	0.375	0.0	
253	R31Y_037_037c	0.375	0.0	0.375	0.375	0.187	49	24.5	25.4	37.5	0.0	0.375	0.0	
254	R00Y_037_025c	0.375	0.125	0.375	0.25	0.25	390	24.5	25.4	37.5	0.125	0.375	0.125	
255	R00Y_037_025c	0.375	0.125	0.375	0.25	0.25	360	24.5	25.4	37.5	0.125	0.375	0.125	
256	B34R_050_050c	0.375	0.125	0.375	0.5	0.375	331	24.5	25.4	37.5	0.125	0.375	0.125	
257	B25R_062_050c	0.375	0.125	0.625	0.625	0.312	300	24.5	25.4	37.5	0.125	0.375	0.125	
258	B19R_075_062c	0.375	0.125	0.75	0.75	0.437	293	24.5	25.4	37.5	0.125	0.375	0.125	
259	B15R_087_075c	0.375	0.125	0.875	0.875	0.5	289	24.5	25.4	37.5	0.125	0.375	0.125	
260	B13R_100_087c	0.375	0.125	1.0	1.0	0.875	0.562	286	24.5	25.4	37.5	0.125	0.375	0.125
261	R68Y_037_037c	0.375	0.25	0.375	0.375	0.187	71	24.5	25.4	37.5	0.25	0.375	0.25	
262	R65Y_037_037c	0.375	0.25	0.375	0.25	0.25	60	24.5	25.4	37.5	0.25	0.375	0.25	
263	R00Y_037_012c	0.375	0.25	0.375	0.125	0.132	390	24.5	25.4	37.5	0.25	0.375	0.25	
264	B50R_037_012c	0.375	0.25	0.375	0.125	0.132	330	24.5	25.4	37.5	0.25	0.375	0.25	
265	B25R_050_025c	0.375	0.25	0.5	0.25	0.375	300	24.5	25.4	37.5	0.25	0.375	0.25	
266	B15R_062_037c	0.375	0.25	0.625	0.625	0.312	289	24.5	25.4	37.5	0.25	0.375	0.25	
267	B10R_075_037c	0.375	0.25	0.75	0.75	0.437	284	24.5	25.4	37.5	0.25	0.375	0.25	
268	B07R_087_037c	0.375	0.25	0.875	0.875	0.5	281	24.5	25.4	37.5	0.25	0.375	0.25	
269	B07R_100_037c	0.375	0.25	1.0	1.0	0.875	0.562	279	24.5	25.4	37.5	0.25	0.375	0.25
270	Y00G_037_037c	0.375	0.375	0.375	0.375	0.187	90	24.5	25.4	37.5	0.375	0.375	0.375	
271	Y00G_037_037c	0.375	0.37											

see similar files: <http://130.149.60.45/~farbmatrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

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

TUB-test chart RE73; 1080 standard colours, $cf=0,9$
colours and differences ΔE^* ,

see similar files: <http://130.149.60.45/~farbmatrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

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

TU8-test chart RE73; 1080 standard colours, $cf=0,9$, colors and differences ΔE^* ,

http://130.149.60.45/~farbmatrik/RE73/RE73L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/33

TUB-test chart RE73; 1080 standard colours, $c^* = 0,9$ colors and differences, ΔE^* ,

input: $rgb/cmyk \rightarrow rgbe$
output: transfer to $cmyk_e$

n	HIC ^{Fe}	rgb^{Fe}	icr^{Fe}	h_{α}^{Fe}	$LabCh^{Fe}$	rgb^{Fe}	$LabCh^{Fe}$	DF^{Fe}	h_{α}^{Fe}	rgb^{Fe}	$LabCh^{Fe}$	DF^{Fe}	h_{α}^{Fe}	rgb^{Fe}	$LabCh^{Fe}$						
648	R00Y_100_100e	1.0	0.0	0.0	59.2	25.4	0.0	0.0	46.9	59.8	39.9	71.9	33.7	1.0	0.0	0.244	59.2	28.2	59.2	65.6	25.4
649	R00Y_100_100e	1.0	0.0	0.381	45.9	60.3	1.0	0.0	0.125	46.6	59.3	34.8	68.8	30.4	1.0	0.0	0.381	45.9	60.3	65.6	17.6
650	R26Y_100_100e	1.0	0.0	0.521	45.9	62.8	1.0	0.0	0.235	46.2	59.2	27.9	65.4	25.2	1.0	0.0	0.521	45.9	62.8	10.9	63.8
651	R13Y_100_100e	1.0	0.0	0.683	46.2	66.3	1.0	0.0	0.375	45.9	60.1	19.6	63.3	18.0	1.0	0.0	0.683	46.2	66.3	1.1	66.4
652	R00Y_100_100e	1.0	0.0	0.0	49.4	70.1	0.0	0.0	0.0	45.8	62.3	12.1	63.3	11.0	0.0	0.0	0.914	70.1	9.7	70.8	352.0
653	R68Y_100_100e	1.0	0.0	0.5	62.5	10.0	0.0	0.0	0.625	46.2	62.0	47	65.1	41	0.0	0.0	0.957	10.0	10	46.6	68.5
654	B61R_100_100e	1.0	0.0	0.5	59.8	-12.7	0.0	0.0	0.625	62.5	67.7	-3.0	67.7	357.3	18.8	0.0	0.957	10.0	-19.5	62.9	341.8
655	B55R_100_100e	1.0	0.0	0.5	62.5	62.9	0.0	0.0	0.625	46.2	67.7	-3.0	70.6	357.3	18.8	0.0	0.957	10.0	-25.2	62.0	335.2
656	B50R_100_100e	1.0	0.0	0.5	48.9	-29.8	0.0	0.0	0.875	47.1	70.0	-10.9	71.2	351.1	31.2	0.0	0.353	48.9	-29.8	57.2	338.6
657	R11Y_100_100e	1.0	0.0	0.5	33.0	71.5	0.0	0.0	1.0	47.7	70.4	-10.9	71.2	351.1	31.2	0.0	0.0	35.3	48.9	39.2	71.5
658	R00Y_100_087e	1.0	0.0	0.0	46.9	59.7	0.0	0.0	0.0	52.8	54.4	77.0	47.1	389	1.0	0.0	0.0	46.9	59.7	39.2	71.5
659	R36Y_100_087e	1.0	0.0	0.125	0.339	52.5	1.0	0.0	0.125	0.125	51.9	56.5	48.1	74.2	40.4	0.0	0.0	0.244	46.9	59.2	65.6
660	R23Y_100_087e	1.0	0.0	0.125	0.676	52.4	1.0	0.0	0.125	0.235	50.6	61.4	27.3	67.2	23.9	0.0	0.0	0.401	45.9	60.7	18.0
661	R00Y_100_087e	1.0	0.0	0.125	0.616	52.3	1.0	0.0	0.125	0.375	50.6	61.4	27.3	67.2	23.9	0.0	0.0	0.0	45.9	60.7	18.0
662	B63R_100_087e	1.0	0.0	0.125	0.904	53.3	1.0	0.0	0.125	0.625	49.2	68.3	7.9	68.8	6.6	0.0	0.0	0.561	46.2	67.6	8.5
663	B70R_100_087e	1.0	0.0	0.125	1.0	49.4	0.0	0.0	0.125	0.625	49.2	68.3	7.9	68.8	6.6	0.0	0.0	0.745	46.2	67.6	8.5
664	B56R_100_087e	1.0	0.0	0.125	1.0	42.9	0.0	0.0	0.125	0.875	50.1	72.3	9.0	72.9	352.9	27.1	0.0	0.353	48.9	-29.8	57.2
665	B50R_100_087e	1.0	0.0	0.125	1.0	45.9	0.0	0.0	0.125	0.875	50.1	72.3	9.0	72.9	352.9	27.1	0.0	0.353	48.9	-29.8	57.2
666	R23Y_100_100e	1.0	0.0	0.0	50.8	56.7	0.0	0.0	0.0	60.3	39.3	61.7	73.2	54.3	24.6	30	1.0	0.0	47.5	56.7	49.4

TUB registration: 20150701-RE73/RE73L0NA.TXT /PS
application for measurement of laser printer output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmatrik/RE73/RE73.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

<http://130.149.60.45/~farbmatrik/RE73/RE73L0NA.TXT> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33

n	HC*Fe	rgb*Fe	ic*Fe	hsa_Fa	rgb*Fe	LabCh*Fe	LabCh*Fe	DE*Fe	rgb*Me	LabCh*Me	DE*Fe	rgb*Me	LabCh*Me
1053	NW_086e	0.866	0.866	0.866	0.866	85.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1054	NW_093e	0.933	0.933	0.933	0.933	90.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1055	NW_100e	1.0	1.0	1.0	1.0	96.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1056	NW_000e	0.0	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1057	NW_006e	0.066	0.066	0.066	0.066	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1058	NW_013e	0.133	0.133	0.133	0.133	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1059	NW_020e	0.2	0.2	0.2	0.2	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1060	NW_026e	0.266	0.266	0.266	0.266	37.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1061	NW_033e	0.333	0.333	0.333	0.333	42.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1062	NW_040e	0.4	0.4	0.4	0.4	48.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1063	NW_046e	0.466	0.466	0.466	0.466	53.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1064	NW_053e	0.533	0.533	0.533	0.533	58.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1065	NW_060e	0.6	0.6	0.6	0.6	64.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1066	NW_066e	0.666	0.666	0.666	0.666	69.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1067	NW_073e	0.734	0.734	0.734	0.734	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1068	NW_080e	0.8	0.8	0.8	0.8	80.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1069	NW_086e	0.866	0.866	0.866	0.866	85.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1070	NW_093e	0.933	0.933	0.933	0.933	90.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1071	NW_100e	1.0	1.0	1.0	1.0	96.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1072	NW_000e	0.0	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1073	NW_006e	0.066	0.066	0.066	0.066	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1074	ROY_100_100e	1.0	0.0	1.0	1.0	96.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1075	G50B_100_100e	0.0	1.0	1.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1076	Y06B_100_100e	1.0	1.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1077	B06B_100_100e	0.0	0.0	1.0	1.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1078	R06B_100_100e	0.0	1.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1079	B50B_100_100e	1.0	0.0	1.0	1.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Mean color difference of this page:

delta E* = 5.7

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

TUB-test chart RE73; 1080 standard colours, cf=0.9
colors and differences, ΔE^*

RE730-TN, Page 33/33-F

I-0133230-F0