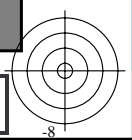
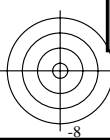
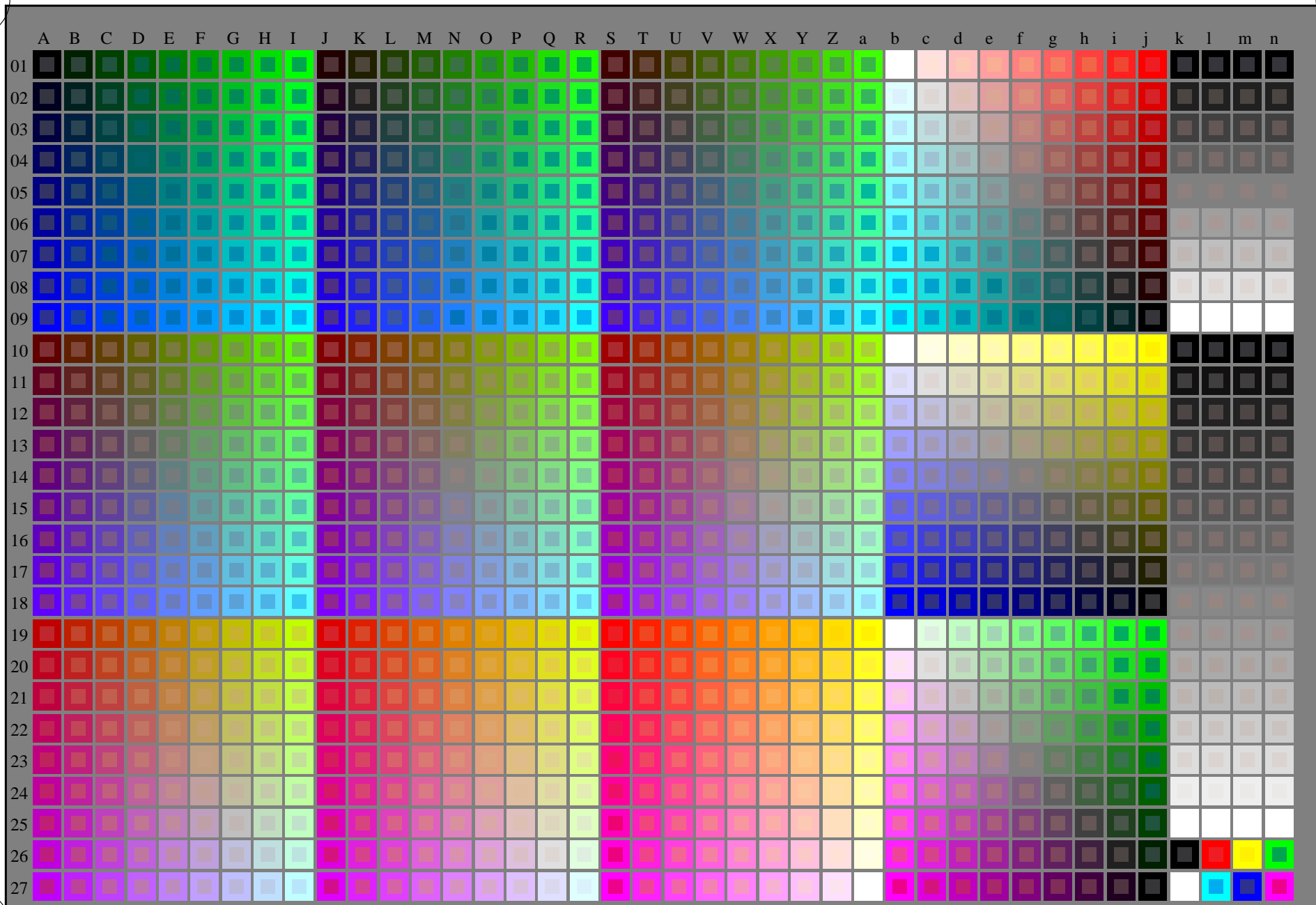


see similar files: <http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE57/RE57L0FP.PDF /.PS  
application for measurement of offset print output

TUB material: code=rh4ta



1-103031-L0 RE570-7N

Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n):  $rgb + cmy0$  (A\_j + k26\_n27), 000n (k), w (l), nnn0 (m), www (n), 3D = 1

TUB-test chart RE57; 1080 standard colours  
Test chart according to DIN 33872, 3D=1, de=0,  $cmy0^*$

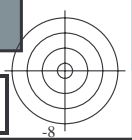
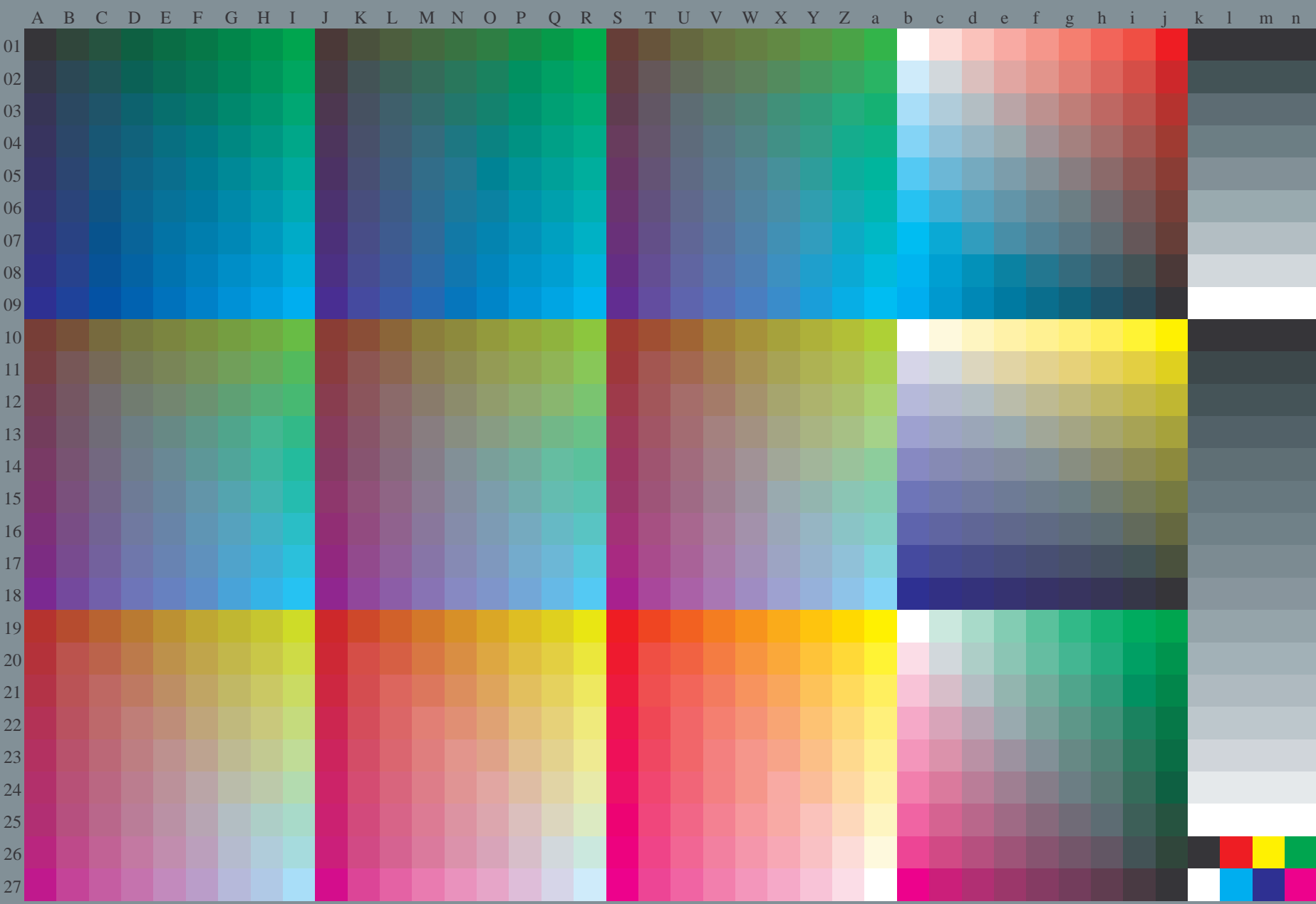
input:  $rgb/cmyk \rightarrow rgb/cmyk$   
output: no change





see similar files: <http://130.149.60.45/~farbmetrik/RE57/RE57.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE57/RE57L0FP.PDF /.PS  
application for measurement of offset print output, separation  $cmY0^*$  (CMY0)  
TUB material: code=rh4ta



1-103131-L0 RE570-72

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

TUB-test chart RE57; 1080 standard colours  
Test chart according to DIN 33872, 3D=1, de=0,  $cmY0^*$

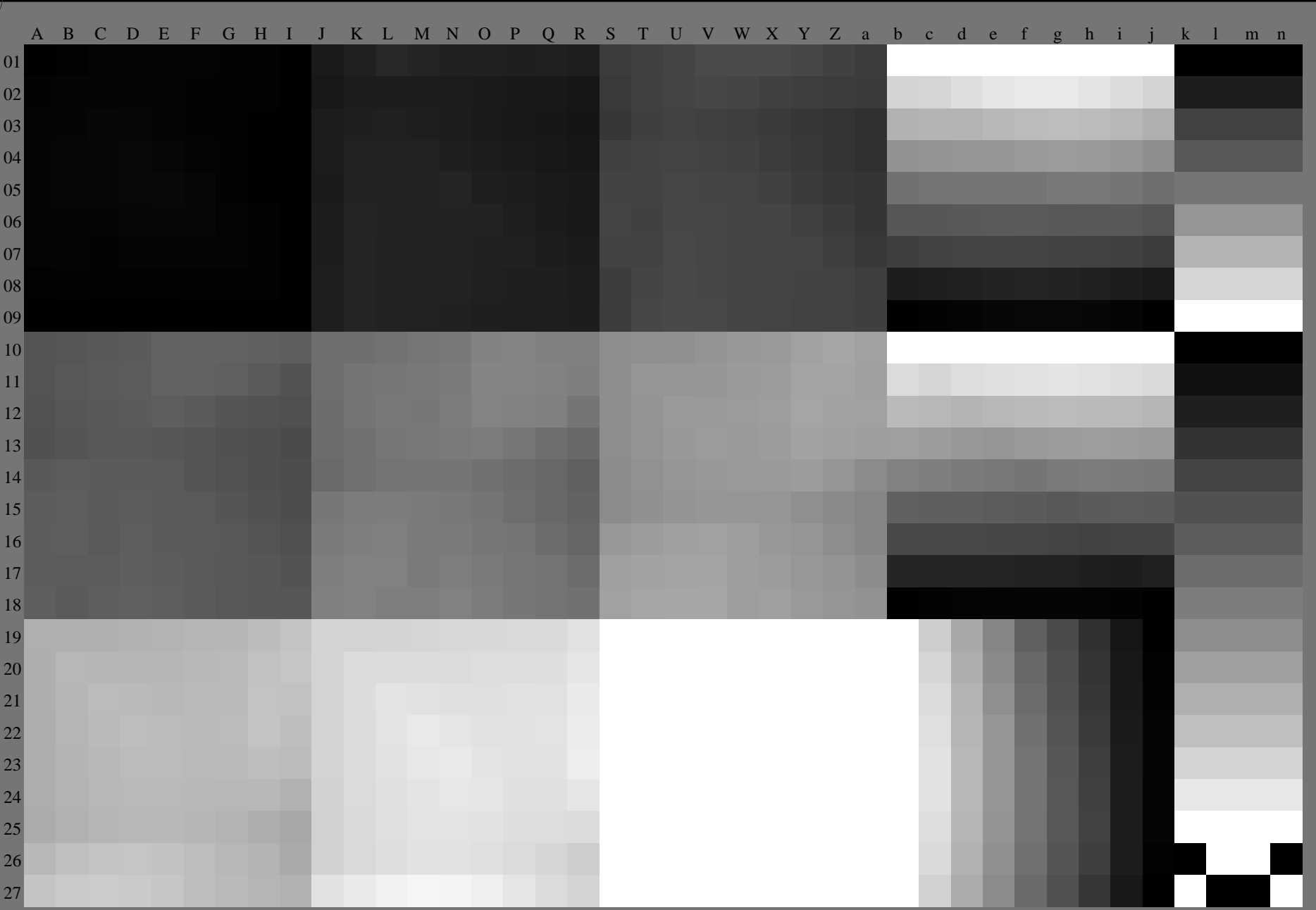
input:  $rgb/cmyk \rightarrow rgb_{dd}$   
output: 3D-linearization to  $cmY0^*_{dd}$

1=103131=F0



see similar files: <http://130.149.60.45/~farbmetrik/RE57/RE57.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE57/RE57L0FP.PDF /.PS  
application for measurement of offset print output, separation  $cmY0^*$  (CMY0)  
TUB material: code=rh4ta



1-103231-L0 RE570-72

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

TUB-test chart RE57; 1080 standard colours  
Test chart according to DIN 33872, 3D=1, de=0,  $cmY0^*$

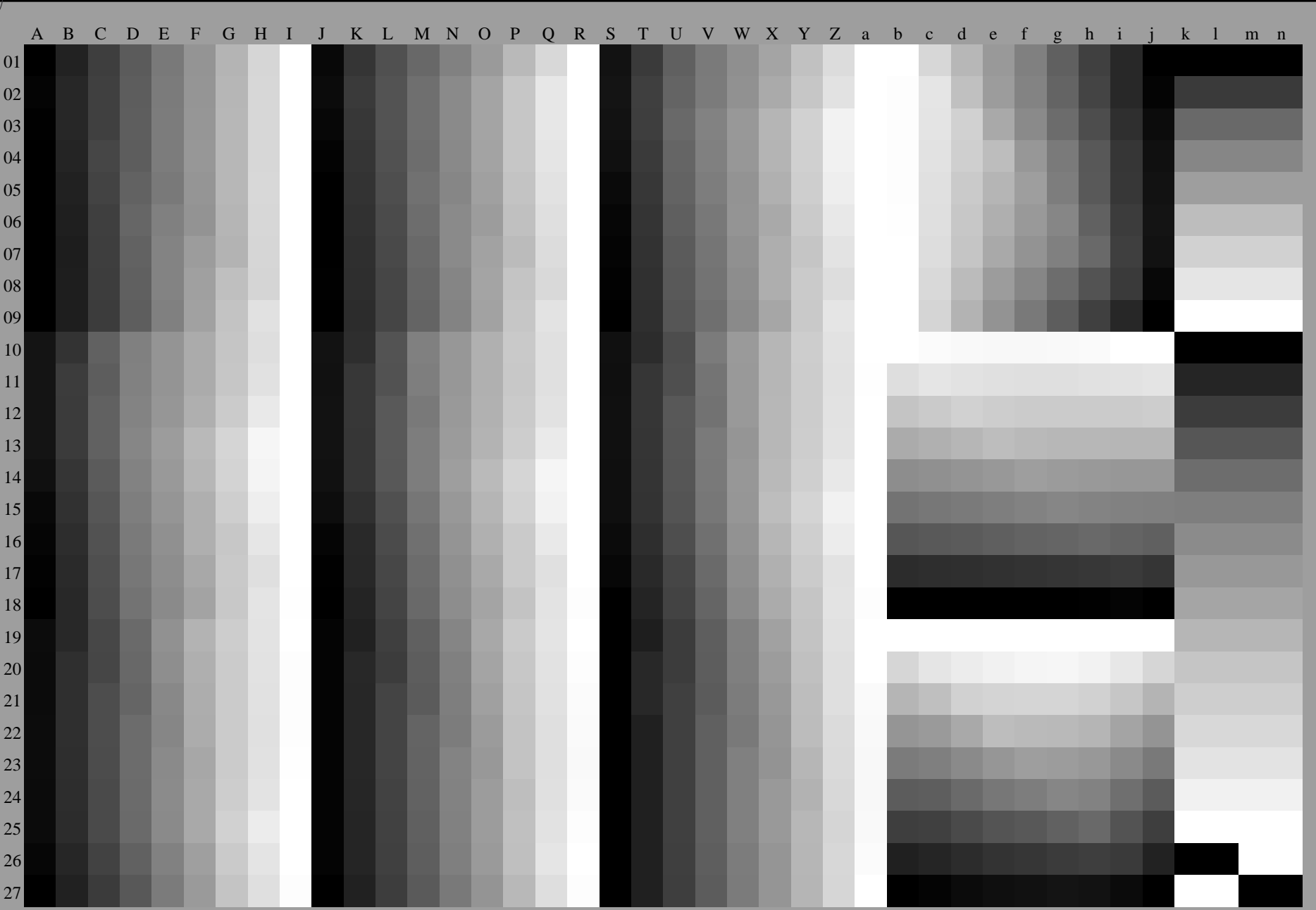
input:  $rgb/cmyk \rightarrow rgb_{dd}$   
output: 3D-linearization to  $cmY0^*_{dd}$

1=103231=F0



see similar files: <http://130.149.60.45/~farbmetrik/RE57/RE57.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE57/RE57L0FP.PDF /.PS TUB material: code=rh4ta  
application for measurement of offset print output, separation  $cmY0^*$  (CMY0)



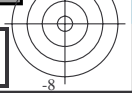
1-103331-L0 RE570-72

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

TUB-test chart RE57; 1080 standard colours  
Test chart according to DIN 33872, 3D=1, de=0,  $cmY0^*$

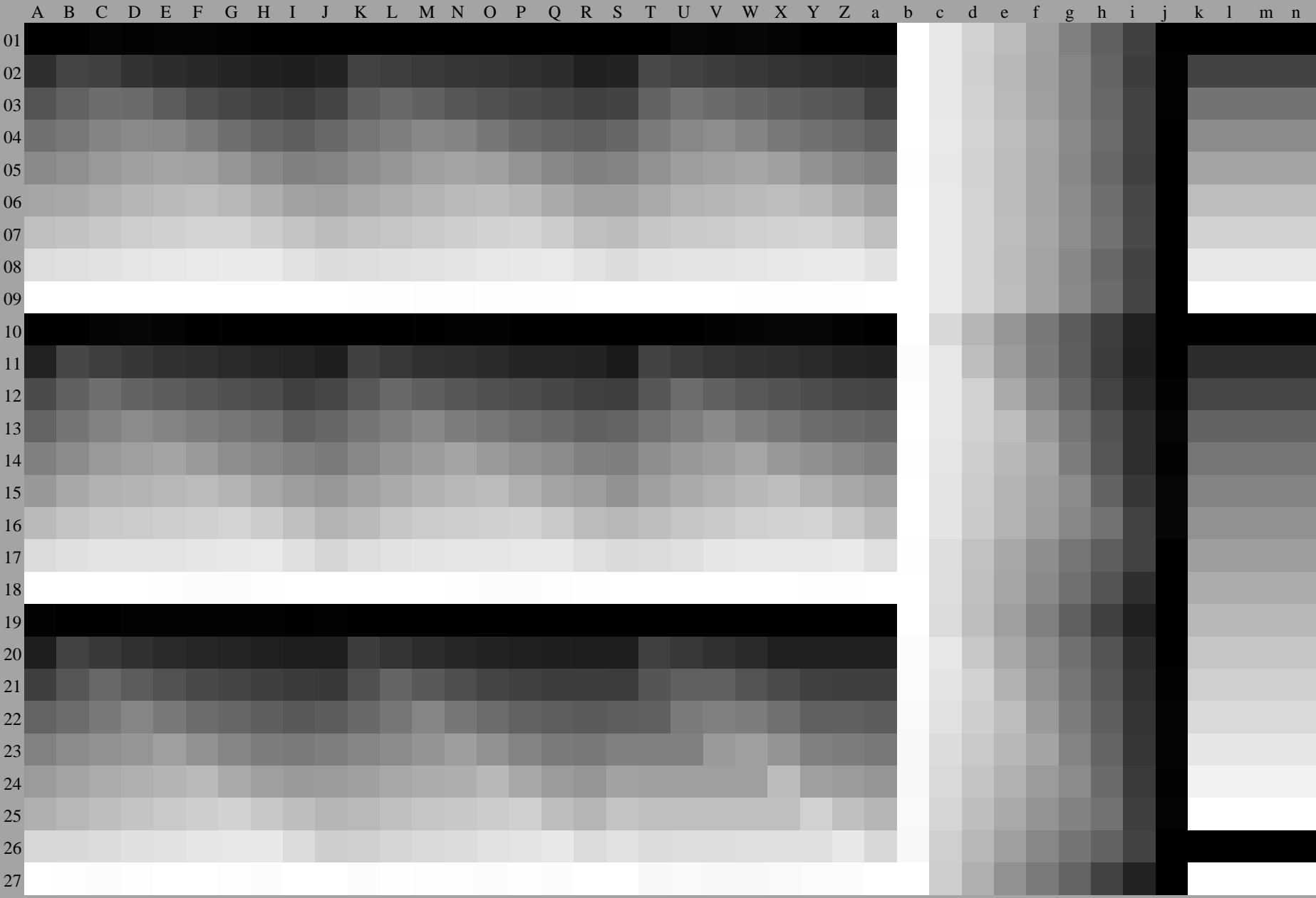
input:  $rgb/cmyk \rightarrow rgb_{dd}$   
output: 3D-linearization to  $cmY0^*_{dd}$

1-103331-F0



see similar files: <http://130.149.60.45/~farbmetrik/RE57/RE57.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE57/RE57L0FP.PDF /.PS TUB material: code=rh4ta  
application for measurement of offset print output, separation  $cmY0^*$  (CMY0)



1-103431-L0 RE570-72

TUB-test chart RE57; 1080 standard colours  
Test chart according to DIN 33872, 3D=1, de=0,  $cmY0^*$

input:  $rgb/cmyk \rightarrow rgb_{dd}$   
output: 3D-linearization to  $cmY0^*_{dd}$

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

1-103431-F0

TUB registration: 20150701-RE57/RE57L0FP.PDF /.PS TUB material: code=rh4ta  
application for measurement of offset print output, separation  $cmY0^*$  (CMY0)

see similar files: <http://130.149.60.45/~farbmetrik/RE57/RE57.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

1-103531-L0 RE570-72

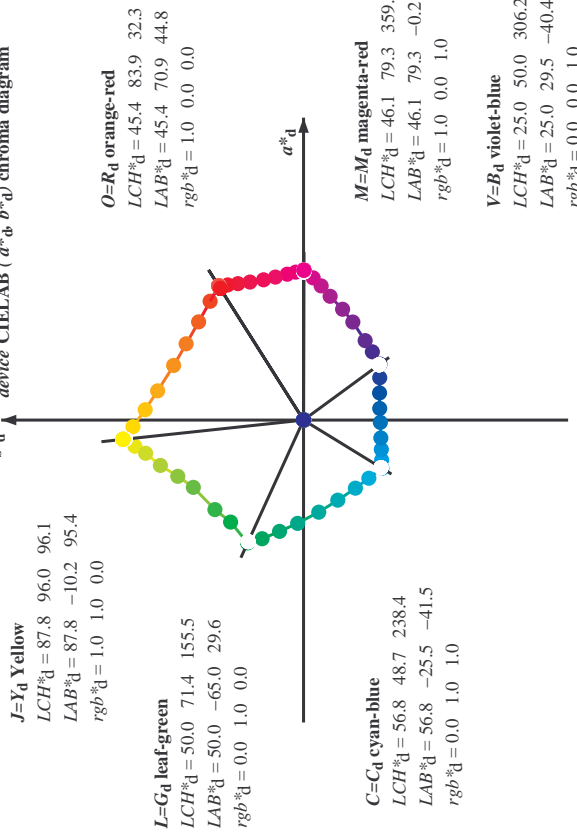
TUB-test chart RE57; 1080 standard colours  
Test chart according to DIN 33872, 3D=1, de=0,  $cmY0^*$

input:  $rgb/cmyk \rightarrow rgb_{dd}$   
output: 3D-linearization to  $cmY0^*_{dd}$

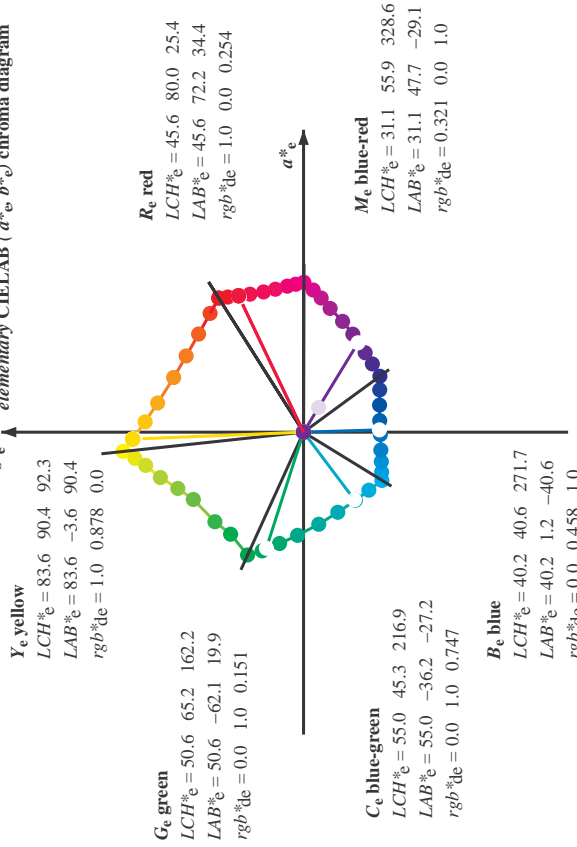


Data of Maximum color, M in colorimetric system Offset standard print; separation cmy0\*, D65 for input or output; Six hue angles of the elementary colours RYGBM<sub>d</sub>:  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
 Six hue angles of the device colours RYGBM<sub>d</sub>:  $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours RYGBM<sub>e</sub>:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

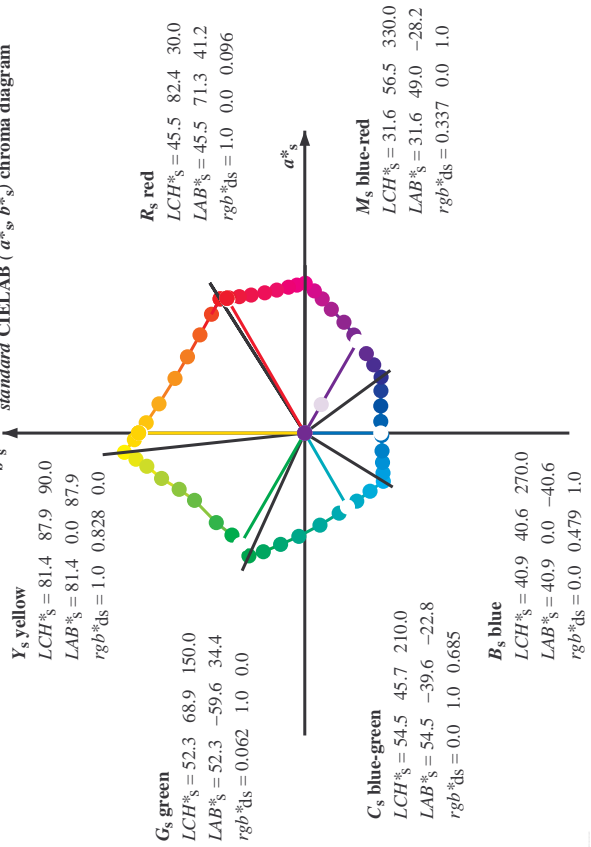
**device CIELAB ( $a^*_d, b^*_d$ ) chroma diagram**



**elementary CIELAB ( $a^*_e, b^*_e$ ) chroma diagram**



**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  $h_{ab,s}$  use for any device values  $rgb^*_e$  the equation:  

$$h_{ab,s} = \arctan \left[ \frac{r^*_e \cos(30) + g^*_e \cos(150)}{r^*_e \sin(30) + g^*_e \sin(150)} + b^*_e \sin(270) \right]$$
- For the 48 or 360 equally spaced standard hue angles  $h_{ab,s}$  of the colours of maximum chroma use the seven hue angles of the 60 degree colours  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) and the equations for a 48 and 360 step hue circle:  

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

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

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

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

I-103631-L0 RE570-72 LAB\*la0, YN=0%, XY,Znw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB\*rw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

TUB-test chart RE57; 1080 standard colours  
 48 step hue circles;  $rgb-LabCh$ \*tables

input:  $rgb/cmyk \rightarrow rgbdd$   
 output: 3D-linearization to  $cmy0^*dd$

Output: Offset standard print; separation cmy0\*, D65, page 7/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmy0\*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; h\_ab,d,s = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with columns for device colours (LAB, RGB, CMYK) and standard colours (RYGBM). Rows represent different hue angles and colorimetric data points.

Six hue angles of the 60 degree standard colours RYGBM; h\_ab,d,s = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57L30FP.DAT in file (F), page 8/33

input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0\*\*d



http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 9/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmy0\*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM;  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;

Six hue angles of the device colours RYGBM;  $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours RYGBM;  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$   $h_{ab,s}$   $h_{ab,e}$   $rgb^*_{ds}$   $rgb^*_{de}$   $LAB^*_{dx}$   $LAB^*_{dy}$   $LAB^*_{dz}$   $rgb^*_{ds}$   $rgb^*_{de}$   $LAB^*_{dx}$   $LAB^*_{dy}$   $LAB^*_{dz}$

Table with 12 columns: h\_ab,d, h\_ab,s, h\_ab,e, rgb\*\_ds, rgb\*\_de, LAB\*\_dx, LAB\*\_dy, LAB\*\_dz, rgb\*\_ds, rgb\*\_de, LAB\*\_dx, LAB\*\_dy, LAB\*\_dz. It contains 392 rows of color data.

I-103831-L0 RE570-72 LAB\*lab, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB\*rw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

TUB-test chart RE57; 1080 standard colours 48 step hue circles; rgb-LabCh\*tables

input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0\*dd

Output: Offset standard print; separation cmy0\*, D65, page 9/33



http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 1/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmy0\*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; LAB\*<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with 14 columns: h\_ab,d, h\_ab,s, h\_ab,e, h\_ab,i, LAB\*<sub>ds361M</sub>, LAB\*<sub>ds361MI</sub>, LAB\*<sub>ds361M</sub> (x=LabCh), LAB\*<sub>ds361MI</sub> (x=LabCh), LAB\*<sub>ds361M</sub> (x=LabCh), LAB\*<sub>ds361MI</sub> (x=LabCh), LAB\*<sub>ds361M</sub> (x=LabCh), LAB\*<sub>ds361MI</sub> (x=LabCh), LAB\*<sub>ds361M</sub> (x=LabCh), LAB\*<sub>ds361MI</sub> (x=LabCh), LAB\*<sub>ds361M</sub> (x=LabCh), LAB\*<sub>ds361MI</sub> (x=LabCh). Rows 86-127.

I-1031031-L0 RE570-72 LAB\*<sub>ab,0</sub>, Y<sub>0</sub>=0%, X<sub>Y</sub>Z<sub>w</sub>=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB\*<sub>ab,w</sub>=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

TUB-test chart RE57; 1080 standard colours 48 step hue circles; rgb-LabCh\*tables

input: rgb/cmyk -> rgbdd output: 3D-linearization to cmy0\*dd

Output: Offset standard print; separation cmy0\*, D65, page 1/33







http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 14/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmy0\*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; h\_ab,d\_s = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with 15 columns: h\_ab,d, h\_ab,s, h\_ab,e, Lab\*\_d361MI, Lab\*\_ds361MI, Lab\*\_ds361MI (x=LabCh), Lab\*\_ds361MI (x=LabCh), Lab\*\_ds361MI (x=LabCh), Lab\*\_ds361MI (x=LabCh), Lab\*\_ds361MI (x=LabCh), Lab\*\_ds361MI (x=LabCh), Lab\*\_ds361MI (x=LabCh), Lab\*\_ds361MI (x=LabCh), Lab\*\_ds361MI (x=LabCh), Lab\*\_ds361MI (x=LabCh), Lab\*\_ds361MI (x=LabCh), Lab\*\_ds361MI (x=LabCh), Lab\*\_ds361MI (x=LabCh). Rows 238-289.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0\*dd

TUB-test chart RE57; 1080 standard colours 48 step hue circles; rgb-LabCh\*tables

Output: Offset standard print; separation cmy0\*, D65, page 14/33

http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 15/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmy0\*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM;  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;

Table with columns for hue angles (h\_ab,d, h\_ab,s, h\_ab,e), device colours (RYGBM\_d, RYGBM\_s, RYGBM\_e), and standard colours (RYGBM\_d, RYGBM\_s, RYGBM\_e). Rows 289-340.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0\*dd

Output: Offset standard print; separation cmy0\*, D65, page 15/33





http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 17/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmy0\*: D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; h\_ab,ds = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with columns for hue angles (h\_ab,d, h\_ab,s, h\_ab,e), device colours (RYGBM\_d, RYGBM\_s, RYGBM\_e), and separation colours (RYGBM\_d, RYGBM\_s, RYGBM\_e) in LabCh and LabCh spaces. Includes rows for 30.0, 90.0, 150.0, 210.0, 270.0, and 330.0 degrees.

LAB\*da0, YN=0%, XY Znw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB\*rw=2.4, 0.0, 0.0, 95.6, 0.0, 0.0

TUB-test chart RE57; 1080 standard colours 48 step hue circles; rgb-LabCh\*tables input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0\*dd

http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization  
F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 18/33

ref	HC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabC*Fid	cmy0*sep_Fid	cmyp*sep_Fid	hsa_Mid	rgb*Mid	LabC*Mid	delta
0/648	R00Y_100_100ad	1.0	0.0	1.0	0.0	45.4	70.9	44.8	83.9	0.0	0.0	32.3
1/657	R13Y_100_100ad	0.0	0.125	1.0	0.0	48.6	63.3	49.1	80.2	0.0	0.0	37.7
2/666	R25Y_100_100ad	0.0	0.25	1.0	0.0	53.0	54.8	76.5	45.7	0.0	0.0	45.7
3/675	R38Y_100_100ad	0.0	0.375	1.0	0.0	58.8	41.1	61.7	74.1	0.0	0.0	56.3
4/684	R50Y_100_100ad	0.0	0.5	1.0	0.0	64.5	28.9	68.6	74.5	0.0	0.0	67.1
5/693	R63Y_100_100ad	0.0	0.625	1.0	0.0	72.8	14.8	77.6	79.1	0.0	0.0	79.1
6/702	R75Y_100_100ad	0.0	0.75	1.0	0.0	83.7	4.3	84.7	84.8	0.0	0.0	87.4
7/711	R88Y_100_100ad	0.0	0.875	1.0	0.0	88.3	-3.8	90.5	92.4	0.0	0.0	90.6
8/720	Y00G_100_100ad	1.0	0.0	1.0	0.0	87.8	-10.2	95.4	96.0	1.0	0.0	96.1
9/639	Y13G_100_100ad	0.875	0.0	1.0	0.0	84.5	-13.6	89.7	90.7	0.875	0.0	98.6
10/658	Y25G_100_100ad	0.75	0.0	1.0	0.0	81.2	-17.0	84.3	86.0	0.75	0.0	101.4
11/477	Y38G_100_100ad	0.625	0.0	1.0	0.0	76.6	-23.6	76.2	72.8	0.625	0.0	107.2
12/396	Y50G_100_100ad	0.5	0.0	1.0	0.0	70.6	-29.7	66.5	72.8	0.5	0.0	114.0
13/315	Y63G_100_100ad	0.375	0.0	1.0	0.0	65.2	-36.4	57.8	68.2	0.375	0.0	122.3
14/234	Y75G_100_100ad	0.25	0.0	1.0	0.0	57.9	-48.3	45.8	66.5	0.25	0.0	136.5
15/153	Y88G_100_100ad	0.125	0.0	1.0	0.0	54.4	-54.7	38.0	66.6	0.125	0.0	145.1
16/72	G00C_100_100ad	0.0	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	0.0	0.0	155.5
17/73	G13C_100_100ad	0.0	0.125	1.0	0.0	50.5	-62.9	22.4	66.8	0.0	0.0	160.4
18/74	G25C_100_100ad	0.0	0.25	1.0	0.0	51.1	-59.5	13.9	61.1	0.0	0.0	166.8
19/75	G38C_100_100ad	0.0	0.375	1.0	0.0	52.9	-54.9	3.7	55.0	0.0	0.0	176.1
20/76	G50C_100_100ad	0.0	0.5	1.0	0.0	54.1	-48.0	49.3	49.3	0.0	0.0	189.3
21/77	G63C_100_100ad	0.0	0.625	1.0	0.0	56.8	-42.0	88.0	46.0	0.0	0.0	204.1
22/78	G75C_100_100ad	0.0	0.75	1.0	0.0	61.1	-35.4	88.4	45.4	0.0	0.0	218.7
23/79	G88C_100_100ad	0.0	0.875	1.0	0.0	66.6	-35.0	85.0	46.3	0.0	0.0	229.0
24/80	C00B_100_100ad	0.0	0.0	1.0	0.0	56.8	-25.5	-41.5	48.7	0.0	0.0	238.4
25/71	C13B_100_100ad	0.0	0.125	1.0	0.0	54.3	-21.4	46.6	24.6	0.0	0.0	242.6
26/63	C25B_100_100ad	0.0	0.25	1.0	0.0	50.9	-16.2	41.2	24.8	0.0	0.0	248.4
27/65	C38B_100_100ad	0.0	0.375	1.0	0.0	46.8	-9.8	-40.9	42.1	0.0	0.0	256.4
28/44	C50B_100_100ad	0.0	0.5	1.0	0.0	41.7	6.6	-40.2	40.6	0.0	0.0	268.2
29/35	C63B_100_100ad	0.0	0.625	1.0	0.0	37.0	15.3	-40.2	40.8	0.0	0.0	279.3
30/26	C75B_100_100ad	0.0	0.75	1.0	0.0	32.2	22.8	-40.3	43.1	0.0	0.0	290.8
31/17	C88B_100_100ad	0.0	0.875	1.0	0.0	28.4	22.8	-40.3	46.3	0.0	0.0	299.5
32/8	B00M_100_100ad	0.0	0.0	1.0	0.0	25.0	29.5	-40.4	50.0	0.0	0.0	306.2
33/89	B13M_100_100ad	0.125	0.0	1.0	0.0	27.7	35.6	-36.7	51.1	0.125	0.0	314.1
34/170	B25M_100_100ad	0.25	0.0	1.0	0.0	28.7	41.2	-33.1	52.9	0.25	0.0	321.1
35/251	B38M_100_100ad	0.375	0.0	1.0	0.0	32.5	51.2	-26.5	57.7	0.375	0.0	332.6
36/332	B50M_100_100ad	0.5	0.0	1.0	0.0	35.6	58.6	-20.7	62.1	0.5	0.0	340.5
37/413	B63M_100_100ad	0.625	0.0	1.0	0.0	38.3	65.8	-13.7	67.2	0.625	0.0	348.2
38/494	B75M_100_100ad	0.75	0.0	1.0	0.0	42.1	71.6	-8.7	72.1	0.75	0.0	353.0
39/575	B88M_100_100ad	0.875	0.0	1.0	0.0	44.3	75.4	-4.7	75.6	0.875	0.0	356.3
40/656	M00R_100_100ad	1.0	0.0	1.0	0.0	46.1	79.3	-0.2	79.3	1.0	0.0	359.8
41/655	M13R_100_100ad	1.0	0.0	0.875	0.0	45.9	78.3	3.8	78.4	1.0	0.0	359.8
42/654	M25R_100_100ad	1.0	0.0	0.75	0.0	45.9	77.3	8.0	77.7	1.0	0.0	359.8
43/653	M38R_100_100ad	1.0	0.0	0.625	0.0	46.0	75.7	14.4	77.1	1.0	0.0	359.8
44/652	M50R_100_100ad	1.0	0.0	0.5	0.0	45.9	74.2	21.1	77.1	1.0	0.0	359.8
45/651	M63R_100_100ad	1.0	0.0	0.375	0.0	45.8	72.9	28.7	78.4	1.0	0.0	359.8
46/650	M75R_100_100ad	1.0	0.0	0.25	0.0	45.6	72.1	35.3	80.3	1.0	0.0	359.8
47/649	M88R_100_100ad	1.0	0.0	0.125	0.0	45.5	71.4	40.4	82.1	1.0	0.0	359.8
48/648	R00Y_100_100ad	1.0	0.0	1.0	0.0	45.4	70.9	44.8	83.9	1.0	0.0	32.3
49/0	NV_000ad	0.0	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0
50/91	NV_013ad	0.125	0.125	0.125	0.125	23.2	0.0	0.0	0.0	0.125	0.125	0.0
51/182	NV_025ad	0.25	0.25	0.25	0.25	22.5	0.0	0.0	0.0	0.25	0.25	0.0
52/273	NV_038ad	0.375	0.375	0.375	0.375	21.0	0.0	0.0	0.0	0.375	0.375	0.0
53/564	NV_050ad	0.5	0.5	0.5	0.5	19.5	0.0	0.0	0.0	0.5	0.5	0.0
54/455	NV_063ad	0.625	0.625	0.625	0.625	18.0	0.0	0.0	0.0	0.625	0.625	0.0
55/546	NV_075ad	0.75	0.75	0.75	0.75	16.5	0.0	0.0	0.0	0.75	0.75	0.0
56/637	NV_088ad	0.875	0.875	0.875	0.875	15.0	0.0	0.0	0.0	0.875	0.875	0.0
57/728	NV_100ad	1.0	1.0	1.0	1.0	13.5	0.0	0.0	0.0	1.0	1.0	0.0

Mean color difference of this page:

input: rgb/cmyk -> rgbdd  
output: 3D-linearization to cmy0\*\*dd

TUB-test chart RE57; 1080 standard colours  
colors and differences, ΔE\*\*

RE570-TN; Page 18/33-F

I-1031731-F0

Table with columns: n/f, H/C/F, r/g/b, i/c/t, h/s, r/g/b, LabC/H, LabC/H, cmyk, cmyk, r/g/b, h/s, LabC/H, LabC/H, delta. The table contains 45 rows of color calibration data.

input: rgb/cmyk -> r/g/b  
output: 3D-linearization to cmy0\*\*

Mean color difference of this page: delta

http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 20/33

Table with 80 columns (numbered 0-80) and 10 rows of color data. Columns include HHC\*Fid, rgb\*Fid, iet\*Fid, ihs\*Fid, rrgb\*Fid, LabC0\*Fid, cmy0\*sep,Fid, rrgb\*Yid, rrgb\*Xid, LabC0\*Yid, LabC0\*Xid, and delta. Each cell contains numerical values representing color differences and separations.

Mean color difference of this page: delta

input: rgb/cmyk -> rrgbdd output: 3D-linearization to cmy0\*\*dd

TUB-test chart RE57; 1080 standard colours colors and differences, ΔE\*<sub>ab</sub>

RE57-TN; Page 20/33-F

http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 21/33

Table with 16 columns: n, HHC\*F0d, rpb\_F0d, icr\_F0d, hsa\_F0d, rpb\_F0d, LabC0\*F0d, cmy0\*\_sep\_F0d, hsa\_F0d, rpb\_F0d, LabC0\*F0d, delta, LabC0\*F0d, rpb\_F0d, hsa\_F0d, LabC0\*F0d. Rows 81-161.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0\*dd

TUB-test chart RE57; 1080 standard colours colors and differences, ΔE\*<sub>ab</sub>

I-1032031-F0

http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 22/33

Table with 15 columns: n, HHC\*Fid, rgb\*Fid, icr\*Fid, hsa\*Fid, cmyk\*sep\*Fid, LabC0\*Fid, LabC1\*Fid, LabC2\*Fid, LabC3\*Fid, LabC4\*Fid, LabC5\*Fid, LabC6\*Fid, LabC7\*Fid, LabC8\*Fid. Rows 162-242.

delta

Mean color difference of this page:

input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0\*dd

TUB-test chart RE57; 1080 standard colours colors and differences, AE\*  
RE57-TN; Page 22/33-F

http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 23/33

Table with 32 columns: n, HHC\*Fid, rgb\_Fid, icr\_Fid, hsa\_Fid, rgb\*Fid, LabC\*Fid, LabC\*Fid, cmy\*sep\_Fid, cmy\*sep\_Fid, Hsa\*Fid, rgb\*Fid, LabC\*Fid, LabC\*Fid, delta. Rows 243-523.

Mean color difference of this page: delta

input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0\*dd

TUB-test chart RE57; 1080 standard colours colors and differences, ΔE\*<sub>a</sub>

http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 24/33

Table with 15 columns: n, HHC\*Fid, rpb\*Fid, icr\*Fid, Hs\*Fid, rpb\*Fid, LabC0\*Fid, LabC0\*Fid, cmy0\*sep,Fid, rpb\*Fid, Hs\*Fid, LabC0\*Fid, LabC0\*Fid, delta. Rows 324-404.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0\*dd



http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 25/33

Table with 15 columns: n, HHC\*Fid, rpb\*Fid, icr\*Fid, hsa\*Fid, rpb\*Fid, LabC0\*Fid, LabC0\*Sep, cmy0\*Sep, LabC0\*Fid, Hsa\*Fid, rpb\*Fid, LabC0\*Fid, LabC0\*Sep, cmy0\*Sep, delta. Rows 405-485.

Mean color difference of this page: delta

input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0\*dd

TUB-test chart RE57; 1080 standard colours colors and differences, ΔE\*

http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57L0FP.DAT in file (F), page 26/33

Table with 15 columns: n, HHC\*Fid, rgb\_Fid, icr\_Fid, Hsa\_Fid, rgb\*Fid, LabC\*Fid, cmy\*Sep.Fid, Hsa.Lid, rgb\*Mid, LabC\*Mid, Hsa.Mid, LabC\*Mid, delta. Rows 486-566.

Mean color difference of this page: delta

input: rgb/cmyk -> rgbdd output: 3D-linearization to cmy0\*dd

http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 27/33

Table with 15 columns: n, HHC\*Fid, rpb\_Fid, icr\_Fid, Hsa\_Fid, rpb\*Fid, LabC\*Fid, cmyk\*\_sep\_Fid, Hsa\*Fid, rpb\*Fid, LabC\*Fid, delta. Rows 567-647.

Mean color difference of this page: delta

input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0\*dd

Table with 15 columns: n, HHC\*Fid, rpb\_Fid, icr\_Fid, Hrs\_Fid, rpb\*Fid, LabC\*Fid, LabC\*Fid, cmyk\*\_sep\_Fid, rpb\*\_Fid, Hrs\*\_Fid, rpb\*\_Fid, LabC\*\_Fid, LabC\*\_Fid, delta. Rows include color patches like R001, R002, R003, etc.

Mean color difference of this page:

input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0\*dd

RE570-TN, Page 28/33-F

TUB-test chart RE57; 1080 standard colours colors and differences, ΔE\*

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http://130.149.60.45/~farbmetrik/RE57/RE57LOFP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 31/33

Table with 15 columns: n, HIC\*Fid, rpb\_Fid, icr\_Fid, hsa\_Fid, rpb\*Fid, LabC\*Fid, cmy0\*\_sep,Fid, rpb\*\_Fid, hsa\*\_Fid, rpb\*\_Fid, LabC\*\_Fid, cmy0\*\_sep,Fid, delta. Rows include color names like 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971.

input: rgb/cmyk -> rgbdd output: 3D-linearization to cmy0\*dd

TUB-test chart RE57; 1080 standard colours colors and differences, ΔE\*<sub>ab</sub>

delta

Mean color difference of this page:

RE57-TN, Page 31/33-F

http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 32/33

Table with 15 columns: n, HC\*Fid, rgb\*Fid, icr\*Fid, l\*a\*Fid, l\*b\*Fid, LabCM\*Fid, cmy0\*sep,Fid, l\*a\*Lab, rgb\*Lab, LabCM\*Lab, LabCM\*Ylab, LabCM\*Xlab, LabCM\*Ylab, LabCM\*Xlab. Rows include color patches like NW\_000lab, NW\_012lab, etc.

Mean color difference of this page: delta

input: rgb/cmyk -> rgbdd output: 3D-linearization to cmy0\*dd

TUB-test chart RE57; 1080 standard colours colors and differences, ΔE\*<sub>ab</sub>



http://130.149.60.45/~farbmetrik/RE57/RE57L0FP.PDF /.PS; 3D-linearization  
 F: 3D-linearization RE57/RE57LE30FP.DAT in file (F), page 33/33

n	HC*Fid	rgb_Fid	icr_Fid	hs_Fid	rgb*Fid	LabC0*Fid	cmyk*_sep_Fid	cmyp*_sep_Fid	delta	LabC0**Fid	rgb**Fid	hs**Fid	LabC0**Fid	cmyp**Fid	cmyp**Fid	delta
1053	NW_0860ad	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.0099	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1054	NW_0975ad	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.0054	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1055	NW_1000ad	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1056	NW_0060ad	0.066	0.066	0.066	0.066	0.066	0.066	0.066	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1057	NW_0065ad	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.935	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1058	NW_0130ad	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.879	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1059	NW_0260ad	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.799	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1060	NW_0530ad	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.682	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1061	NW_0460ad	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.574	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1062	NW_0440ad	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.485	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1063	NW_0570ad	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.381	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1064	NW_0550ad	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.574	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1065	NW_0660ad	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.442	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1066	NW_0660ad	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.278	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1067	NW_0730ad	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.314	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1068	NW_0860ad	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.186	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1069	NW_0860ad	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.252	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1070	NW_0975ad	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.108	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1071	NW_1000ad	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.099	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1072	NW_1000ad	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1073	ROY_100_100ad	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1074	ROY_100_100ad	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1075	GS0B_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1076	Y06C_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1077	B06M_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1078	B08_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.999	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1079	B50R_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

input: rgb/cmyk -> rgbdd  
 output: 3D-linearization to cmy0\*\*dd

TUB-test chart RE57; 1080 standard colours  
 colors and differences, ΔE\*\*