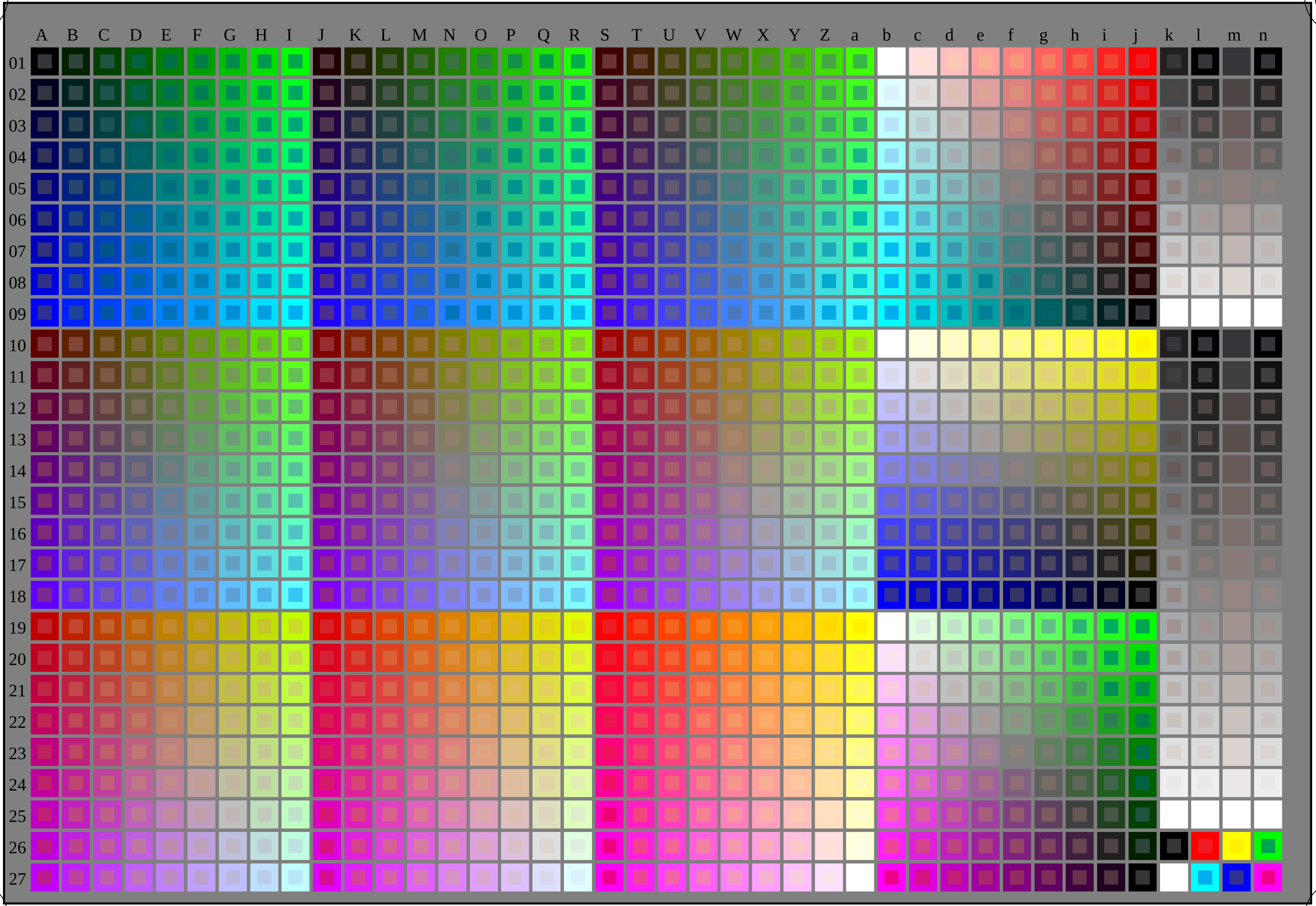
http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; start output
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 1/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output

TUB material: code=rha4ta

RE670−7N_RGB 1−103030−L0

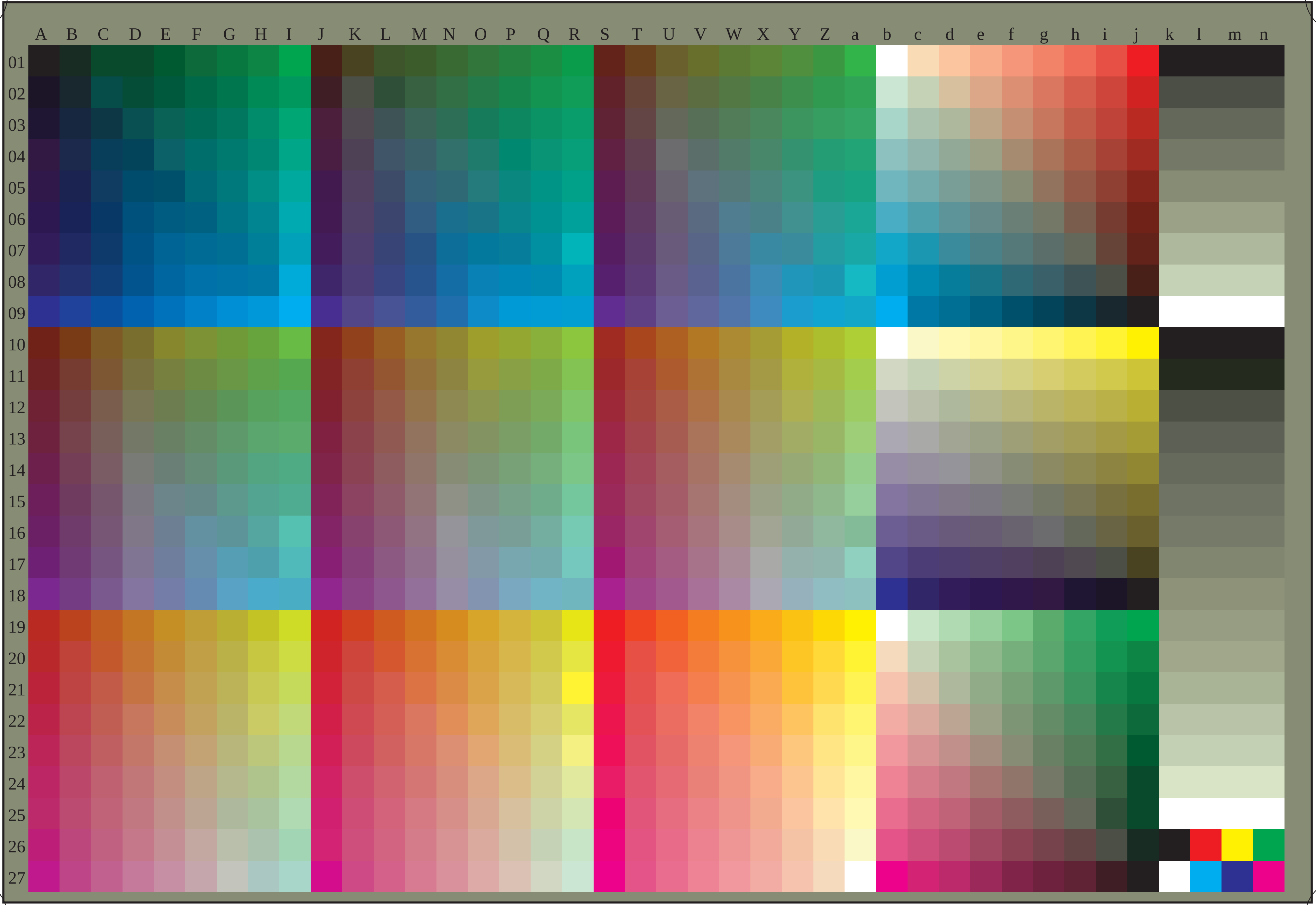
Test chart G with 40x27=1080 colours; equidistant 9 or 16 step colour scales; Colour data in column (A−n): **rgb (A_j + k26_n27), 000n (k), w (l), nnn0 (m), www (n), 3D = 1**

TUB-test chart RE67; 1080 standard colours, *cf*=1
Test chart according to DIN 33872

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

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 2/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

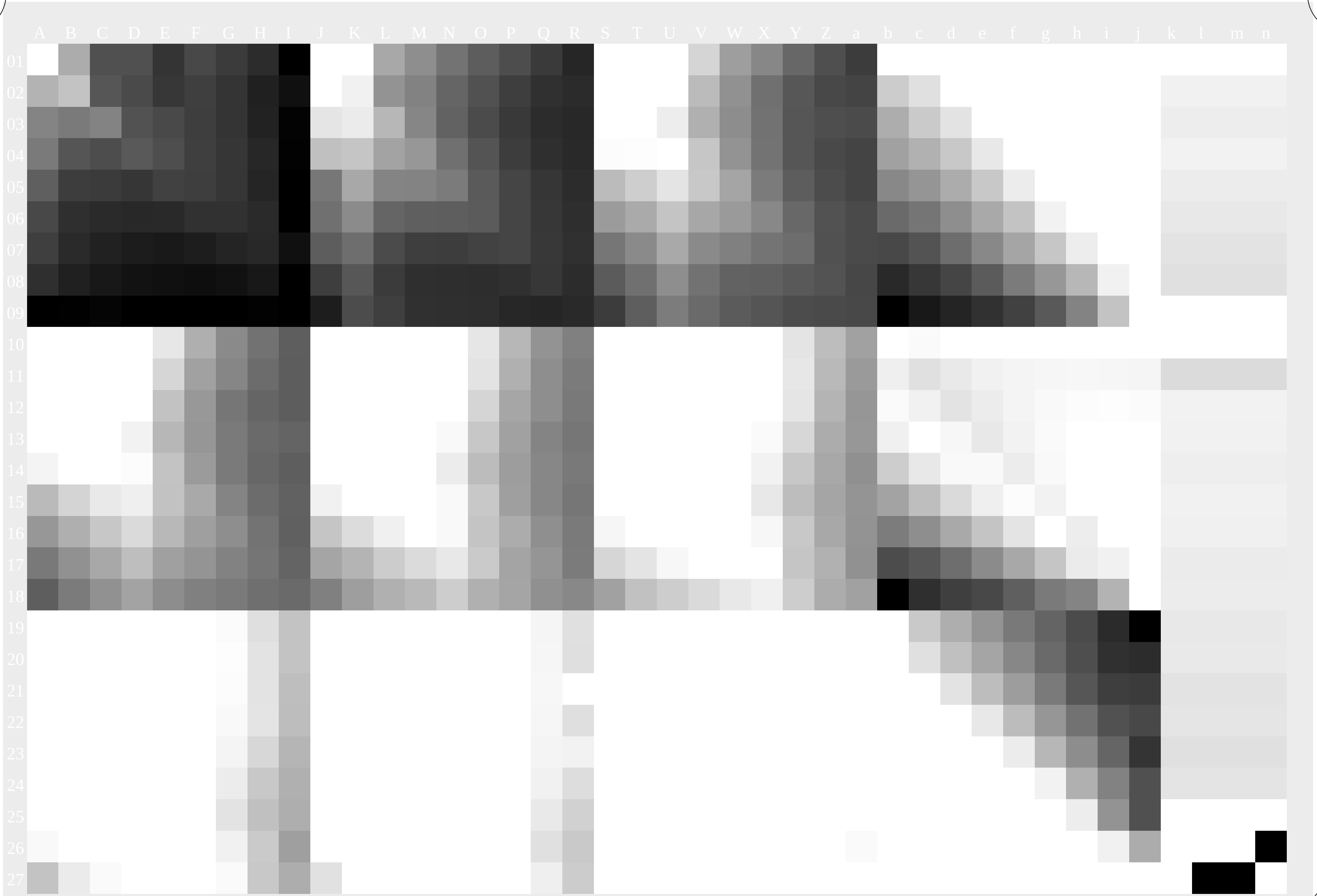
RE670−72 1−103130−L0

TUB-test chart RE67; 1080 standard colours, *cf*=1
Test chart according to DIN 33872, 3D=1, de=0, *cmyk**

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

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 3/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

RE670−72 1−103230−L0

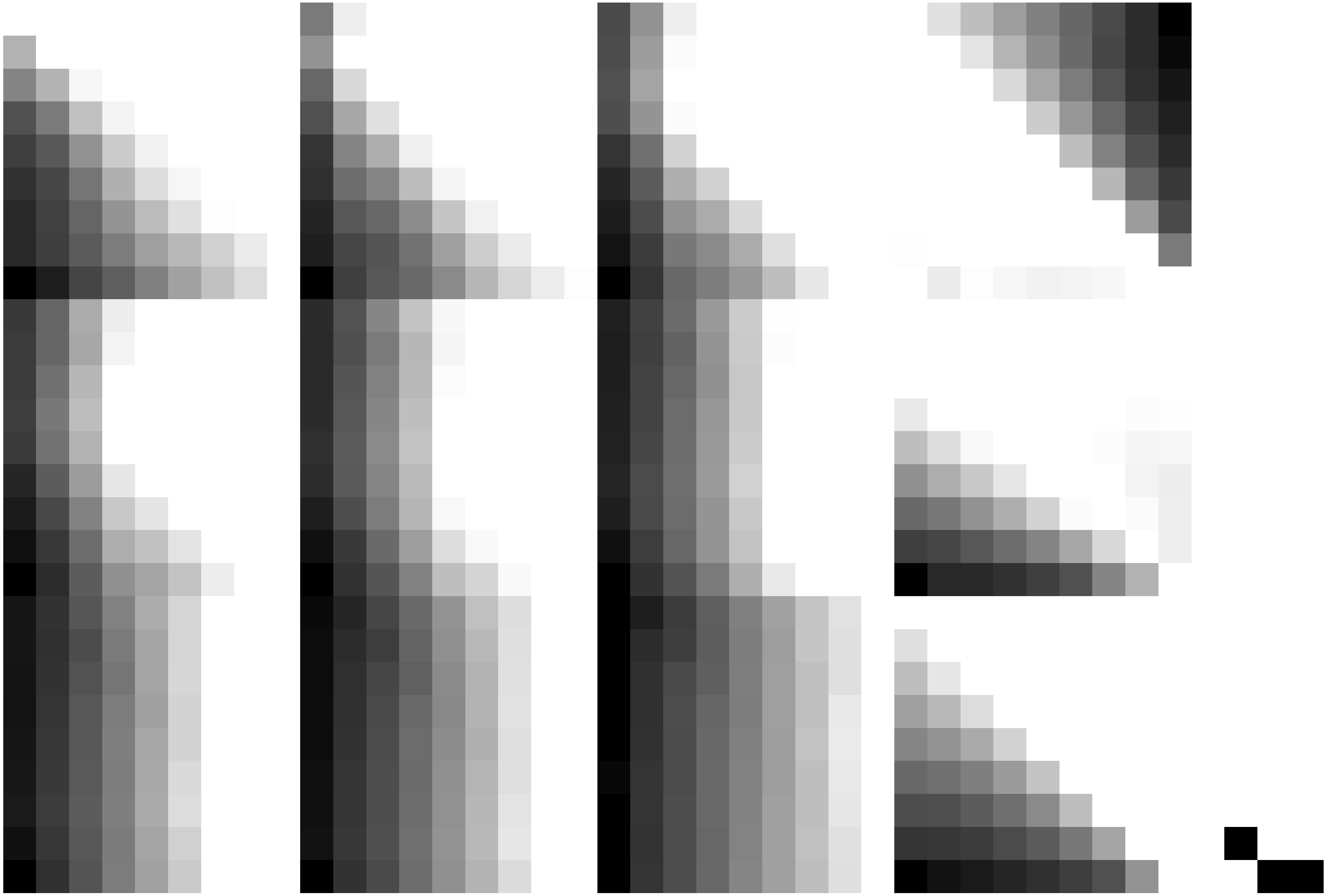
TUB-test chart RE67; 1080 standard colours, *cf*=1
Test chart according to DIN 33872

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

1−103230−F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 4/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

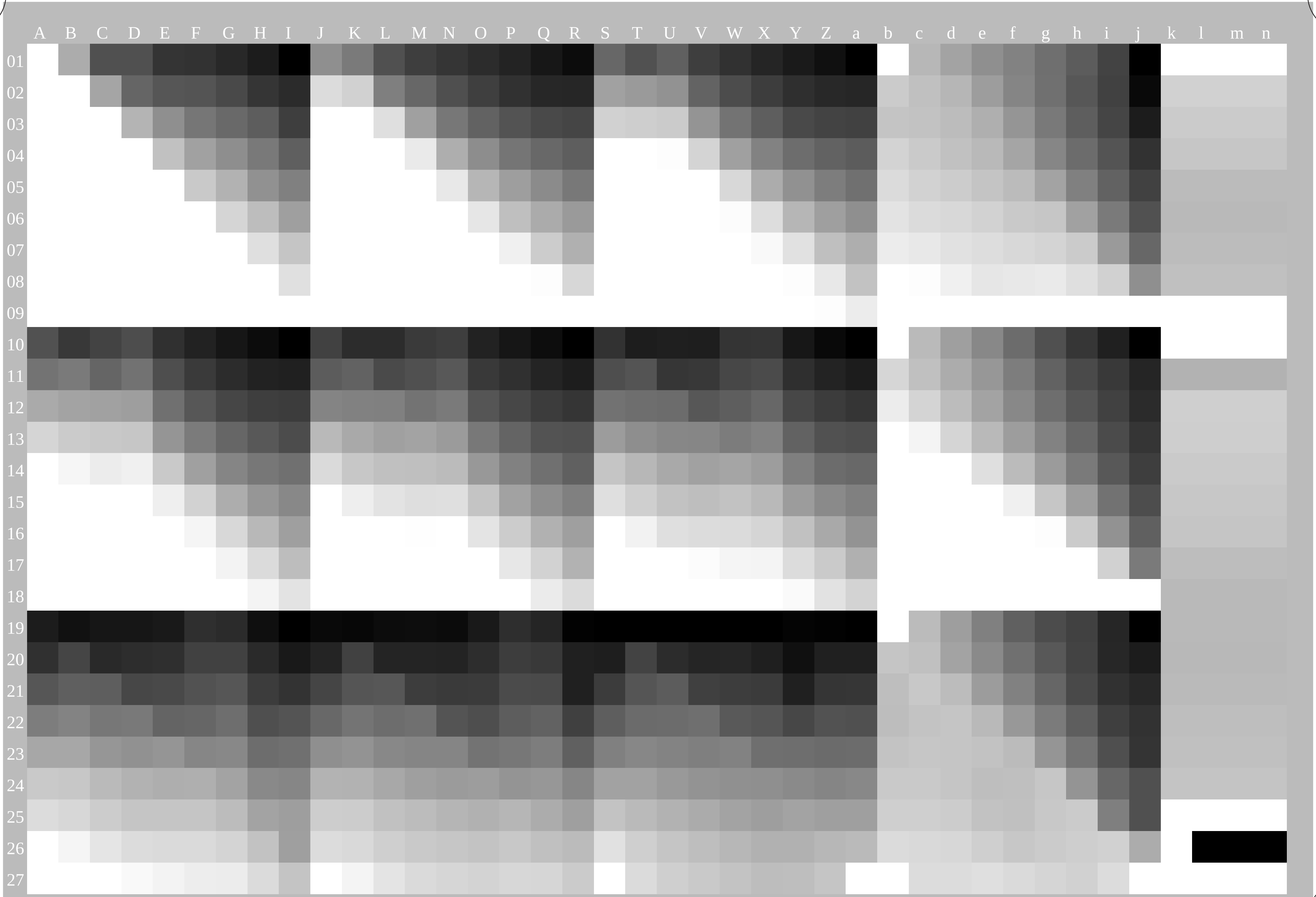
RE670−72 1−103330−L0

TUB-test chart RE67; 1080 standard colours, *cf*=1
Test chart according to DIN 33872

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

1−103330−F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 5/33



see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

RE670−72 1−103430−L0

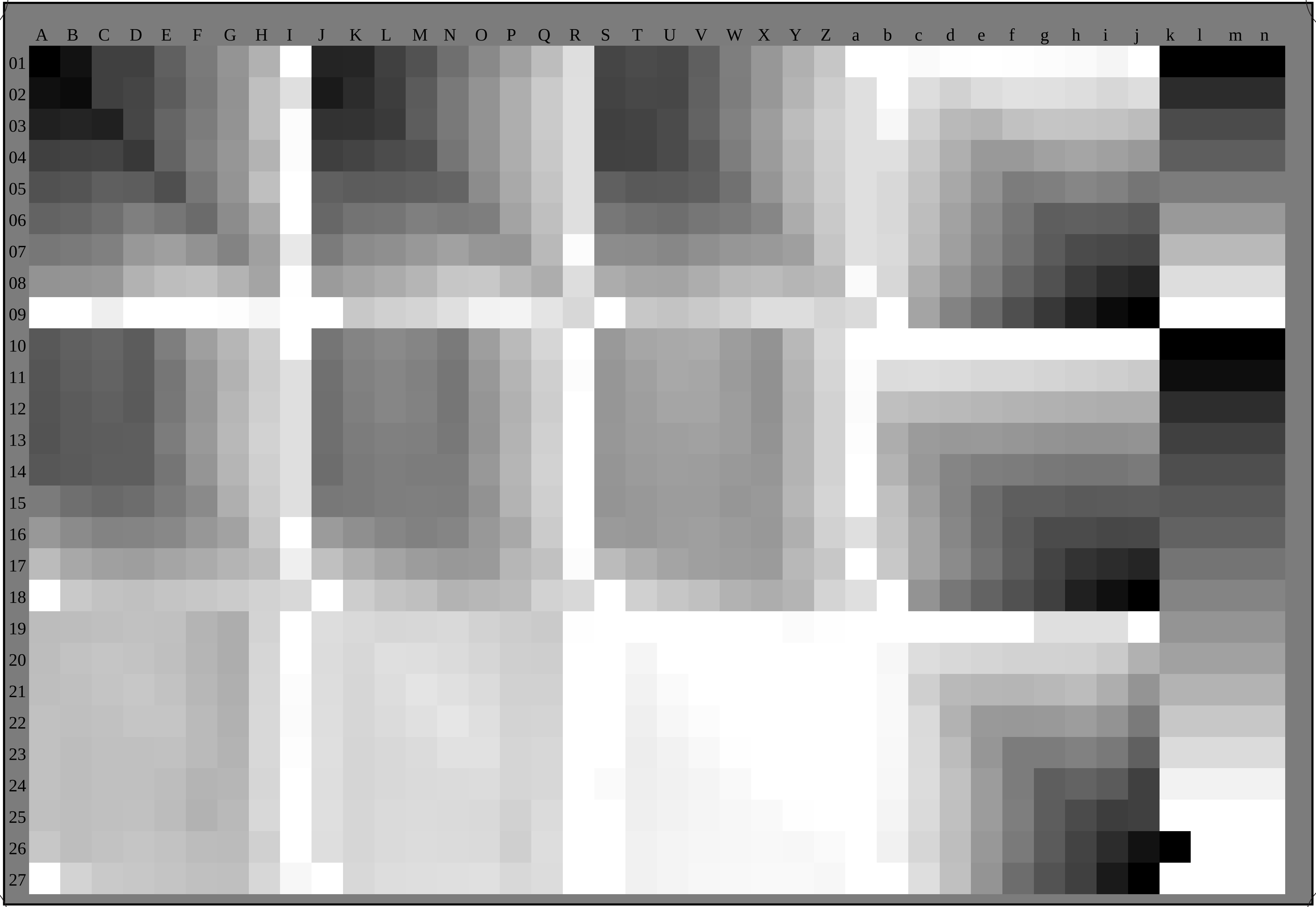
TUB-test chart RE67; 1080 standard colours, *cf*=1
Test chart according to DIN 33872

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

1−103430−F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 6/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

RE670−72 1−103530−L0

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

TUB-test chart RE67; 1080 standard colours, *cf*=1
Test chart according to DIN 33872

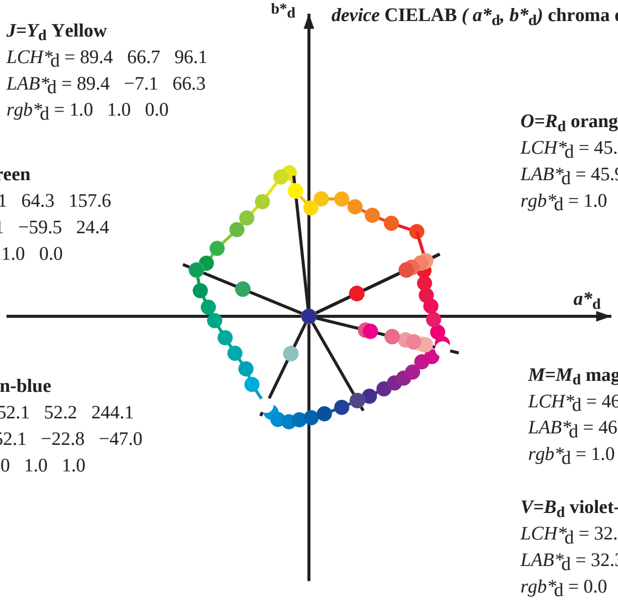
input: *rgb/cmyk* −> rgb_{dd}
output: 3D-linearization to $cmyk^*_{dd}$

1−103530−F0

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

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



$J=Y_d$ Yellow
LCH^*_d = 89.4 66.7 96.1
LAB^*_d = 89.4 −7.1 66.3
rgb^*_d = 1.0 1.0 0.0

$O=R_d$ orange-red
LCH^*_d = 45.9 68.3 25.4
LAB^*_d = 45.9 61.7 29.3
rgb^*_d = 1.0 0.0 0.0

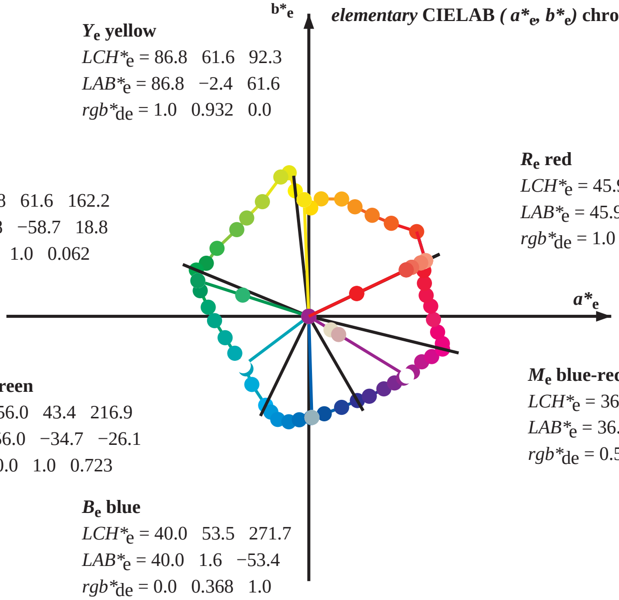
$L=G_d$ leaf-green
LCH^*_d = 54.1 64.3 157.6
LAB^*_d = 54.1 −59.5 24.4
rgb^*_d = 0.0 1.0 0.0

$C=C_d$ cyan-blue
LCH^*_d = 52.1 52.2 244.1
LAB^*_d = 52.1 −22.8 −47.0
rgb^*_d = 0.0 1.0 1.0

$M=M_d$ magenta-red
LCH^*_d = 46.8 72.8 346.2
LAB^*_d = 46.8 70.7 −17.3
rgb^*_d = 1.0 0.0 1.0

$V=B_d$ violet-blue
LCH^*_d = 32.3 51.4 299.9
LAB^*_d = 32.3 25.6 −44.5
rgb^*_d = 0.0 0.0 1.0

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



Y_e yellow
LCH^*_e = 86.8 61.6 92.3
LAB^*_e = 86.8 −2.4 61.6
rgb^*_{de} = 1.0 0.932 0.0

R_e red
LCH^*_e = 45.9 68.4 25.4
LAB^*_e = 45.9 61.7 29.4
rgb^*_{de} = 1.0 0.0 0.0

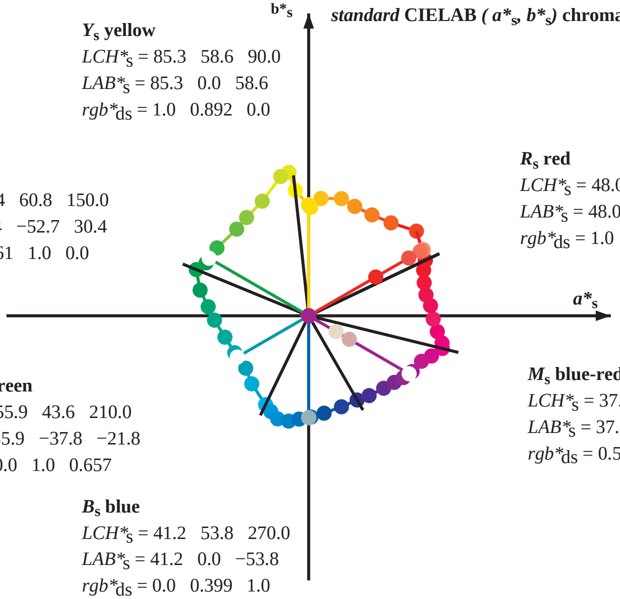
G_e green
LCH^*_e = 53.8 61.6 162.2
LAB^*_e = 53.8 −58.7 18.8
rgb^*_{de} = 0.0 1.0 0.062

C_e blue-green
LCH^*_e = 56.0 43.4 216.9
LAB^*_e = 56.0 −34.7 −26.1
rgb^*_{de} = 0.0 1.0 0.723

M_e blue-red
LCH^*_e = 36.4 60.6 328.6
LAB^*_e = 36.4 51.8 −31.6
rgb^*_{de} = 0.544 0.0 1.0

B_e blue
LCH^*_e = 40.0 53.5 271.7
LAB^*_e = 40.0 1.6 −53.4
rgb^*_{de} = 0.0 0.368 1.0

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



Y_s yellow
LCH^*_s = 85.3 58.6 90.0
LAB^*_s = 85.3 0.0 58.6
rgb^*_{ds} = 1.0 0.892 0.0

R_s red
LCH^*_s = 48.0 69.8 30.0
LAB^*_s = 48.0 60.5 34.9
rgb^*_{ds} = 1.0 0.045 0.0

G_s green
LCH^*_s = 58.4 60.8 150.0
LAB^*_s = 58.4 −52.7 30.4
rgb^*_{ds} = 0.161 1.0 0.0

C_s blue-green
LCH^*_s = 55.9 43.6 210.0
LAB^*_s = 55.9 −37.8 −21.8
rgb^*_{ds} = 0.0 1.0 0.657

M_s blue-red
LCH^*_s = 37.2 61.3 330.0
LAB^*_s = 37.2 53.1 −30.6
rgb^*_{ds} = 0.58 0.0 1.0

B_s blue
LCH^*_s = 41.2 53.8 270.0
LAB^*_s = 41.2 0.0 −53.8
rgb^*_{ds} = 0.0 0.399 1.0

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

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

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

3. 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:* $h_{ab,si}$ = 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:

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

$$h_{360ab,sij} = h_{ab,si} + j\ [h_{ab,si+1} - h_{ab,si}\ ]\ /60\ (\ i = 0, 1, ..., 5;\ j = 0, 1, ..., 59) \quad (3)$$

4. 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:* $h_{ab,ei}$ = 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:

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

$$h_{360ab,eij} = h_{ab,ei} + j\ [h_{ab,ei+1} - h_{ab,ei}\ ]\ /60\ (\ i = 0, 1, ..., 5;\ j = 0, 1, ..., 59) \quad (5)$$

5. For any elementary hue angle $h_{ab,e}$ there is a well defined device hue angle $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4.
6. The values rgb^*_{de} produce the output of the device-independent elementary hues

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

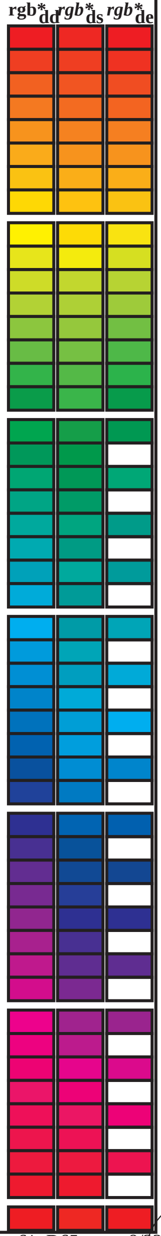
input: *rgb/cmyk* −> rgb_{dd}
output: 3D-linearization to $cmyk^*_{dd}$

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 8/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*dd64M			LAB^*ddx64M (x=LabCh)					rgb^*ddx361M			LAB^*ddx361M (x=LabCh)					rgb^*dsx361M			LAB^*dsx361M (x=LabCh)					rgb^*dex361M			LAB^*dex361M				
25.4	30.0	25.4	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4	1.0	0.0	0.0	45.9	61.8	29.3	68.4	25	1.0	0.045	0.0	48.1	60.5	34.9	69.9	30	1.0	0.001	0.0	45.9	61.8	29.4	68.4	25
38.1	37.5	33.8	1.0	0.125	0.0	51.8	57.0	44.8	72.5	38.1	1.0	0.117	0.0	51.5	57.5	43.8	72.3	37	1.0	0.114	0.0	51.3	57.7	43.4	72.2	37	1.0	0.077	0.0	49.6	59.3	38.9	71.0	33
48.4	45.0	42.1	1.0	0.25	0.0	58.5	43.6	49.1	65.7	48.4	1.0	0.25	0.0	58.5	43.6	49.2	65.7	48	1.0	0.208	0.0	56.3	48.1	48.1	68.0	45	1.0	0.174	0.0	54.5	51.8	46.9	69.9	42
57.8	52.5	50.5	1.0	0.375	0.0	64.3	33.5	53.4	63.0	57.8	1.0	0.367	0.0	63.9	34.2	53.2	63.2	57	1.0	0.297	0.0	60.7	39.8	51.0	64.7	52	1.0	0.271	0.0	59.5	42.0	50.0	65.3	49
67.1	60.0	58.8	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1	1.0	0.5	0.0	69.6	24.4	57.9	62.8	67	1.0	0.404	0.0	65.5	31.5	54.6	63.0	60	1.0	0.389	0.0	64.9	32.6	54.0	63.0	58
74.3	67.5	67.2	1.0	0.625	0.0	73.7	17.3	61.9	64.3	74.3	1.0	0.617	0.0	73.5	17.9	61.7	64.3	73	1.0	0.498	0.0	69.5	24.5	57.8	62.8	67	1.0	0.494	0.0	69.3	24.9	57.7	62.8	66
83.9	75.0	75.6	1.0	0.75	0.0	80.6	6.5	62.0	62.4	83.9	1.0	0.75	0.0	80.6	6.5	62.1	62.4	83	1.0	0.633	0.0	74.2	16.6	62.1	64.2	75	1.0	0.641	0.0	74.7	15.9	62.1	64.1	75
88.9	82.5	83.9	1.0	0.875	0.0	84.6	1.0	57.3	57.3	88.9	1.0	0.867	0.0	84.4	1.4	57.7	57.7	88	1.0	0.724	0.0	79.2	8.7	62.2	62.8	82	1.0	0.742	0.0	80.2	7.2	62.1	62.6	83
96.1	90.0	92.3	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1	1.0	1.0	0.0	89.5	−7.1	66.4	66.7	96	1.0	0.893	0.0	85.3	0.0	58.7	58.7	90	1.0	0.933	0.0	86.9	−2.4	61.6	61.7	92
97.8	97.5	101.0	0.875	1.0	0.0	91.1	−10.3	75.8	76.5	97.8	0.883	1.0	0.0	91.0	−10.1	75.3	75.9	97	0.936	1.0	0.0	90.3	−8.6	71.3	71.8	97	0.782	1.0	0.0	88.7	−13.6	74.3	75.5	100
101.3	105.0	109.7	0.75	1.0	0.0	87.9	−14.8	73.6	75.1	101.3	0.75	1.0	0.0	87.9	−14.7	73.7	75.1	101	0.708	1.0	0.0	85.1	−18.5	69.4	71.8	105	0.652	1.0	0.0	81.3	−22.8	63.5	67.5	109
112.0	112.5	118.5	0.625	1.0	0.0	79.4	−24.5	60.6	65.4	112.0	0.633	1.0	0.0	80.0	−24.0	61.5	66.1	111	0.626	1.0	0.0	79.5	−24.4	60.7	65.5	112	0.553	1.0	0.0	75.6	−29.5	55.8	63.2	117
122.3	120.0	127.2	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3	0.5	1.0	0.0	72.6	−32.8	52.0	61.5	122	0.528	1.0	0.0	74.2	−31.1	54.0	62.4	120	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127
129.7	127.5	136.0	0.375	1.0	0.0	68.1	−38.1	45.8	59.6	129.7	0.383	1.0	0.0	68.4	−37.7	46.3	59.7	129	0.421	1.0	0.0	69.8	−36.2	48.2	60.3	127	0.323	1.0	0.0	65.4	−42.6	42.1	59.9	135
143.4	135.0	144.7	0.25	1.0	0.0	61.4	−48.5	35.9	60.3	143.4	0.25	1.0	0.0	61.5	−48.4	35.9	60.4	143	0.327	1.0	0.0	65.6	−42.3	42.4	59.9	135	0.233	1.0	0.0	60.9	−49.3	34.9	60.5	144
152.6	142.5	153.4	0.125	1.0	0.0	57.2	−54.2	28.0	61.0	152.6	0.133	1.0	0.0	57.5	−53.8	28.6	61.0	152	0.264	1.0	0.0	62.2	−47.4	37.1	60.3	142	0.119	1.0	0.0	57.1	−54.4	27.9	61.2	152
157.6	150.0	162.2	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6	0.0	1.0	0.0	54.1	−59.4	24.5	64.4	157	0.161	1.0	0.0	58.5	−52.6	30.4	60.9	150	0.0	1.0	0.063	53.9	−58.6	18.8	61.7	162
166.7	157.5	169.0	0.0	1.0	0.125	53.6	−57.4	13.5	59.0	166.7	0.0	1.0	0.117	53.7	−57.6	14.2	59.4	166	0.016	1.0	0.0	54.6	−58.7	25.0	63.9	157	0.0	1.0	0.154	53.6	−56.5	11.4	57.7	168
174.8	165.0	175.9	0.0	1.0	0.25	53.7	−53.2	4.8	53.4	174.8	0.0	1.0	0.25	53.8	−53.1	4.8	53.4	174	0.0	1.0	0.101	53.7	−57.9	15.5	60.1	165	0.0	1.0	0.267	53.9	−52.7	3.8	53.0	175
182.6	172.5	182.7	0.0	1.0	0.375	54.4	−49.8	−2.2	49.9	182.6	0.0	1.0	0.367	54.4	−50.0	−1.7	50.2	182	0.0	1.0	0.206	53.7	−54.8	7.7	55.4	172	0.0	1.0	0.37	54.4	−49.9	−1.9	50.1	182
194.3	180.0	189.6	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3	0.0	1.0	0.5	55.5	−44.2	−11.2	45.7	194	0.0	1.0	0.333	54.2	−51.0	0.0	51.1	180	0.0	1.0	0.45	55.0	−46.7	−7.8	47.4	189
206.4	187.5	196.4	0.0	1.0	0.625	55.9	−39.1	−19.5	43.7	206.4	0.0	1.0	0.617	55.9	−39.5	−18.9	43.9	205	0.0	1.0	0.422	54.8	−47.9	−5.8	48.4	187	0.0	1.0	0.517	55.5	−43.6	−12.4	45.5	195
219.8	195.0	203.2	0.0	1.0	0.75	56.0	−33.2	−27.7	43.3	219.8	0.0	1.0	0.75	56.0	−33.2	−27.7	43.4	219	0.0	1.0	0.507	55.5	−44.0	−11.7	45.6	195	0.0	1.0	0.592	55.8	−40.6	−17.4	44.3	203
230.0	202.5	210.1	0.0	1.0	0.875	54.4	−30.1	−36.0	46.9	230.0	0.0	1.0	0.867	54.5	−30.3	−35.4	46.7	229	0.0	1.0	0.579	55.8	−41.1	−16.6	44.5	202	0.0	1.0	0.655	56.0	−37.8	−21.5	43.7	209
244.1	210.0	216.9	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1	0.0	1.0	1.0	52.1	−22.7	−46.9	52.3	244	0.0	1.0	0.658	56.0	−37.7	−21.7	43.7	210	0.0	1.0	0.723	56.0	−34.6	−26.0	43.4	216
248.3	217.5	223.8	0.0	0.875	1.0	51.4	−20.0	−50.6	54.4	248.3	0.0	0.883	1.0	51.5	−20.2	−50.3	54.3	248	0.0	1.0	0.724	56.0	−34.6	−26.0	43.4	217	0.0	1.0	0.793	55.5	−32.3	−30.5	44.6	223
253.2	225.0	230.6	0.0	0.75	1.0	51.5	−16.4	−54.5	56.9	253.2	0.0	0.75	1.0	51.6	−16.3	−54.4	57.0	253	0.0	1.0	0.813	55.2	−31.8	−31.8	45.2	225	0.0	1.0	0.88	54.3	−29.8	−36.4	47.2	230
259.2	232.5	237.5	0.0	0.625	1.0	49.3	−10.5	−55.7	56.7	259.2	0.0	0.633	1.0	49.5	−10.9	−55.6	56.8	258	0.0	1.0	0.892	54.1	−29.3	−37.5	47.7	232	0.0	1.0	0.937	53.3	−26.9	−41.5	49.6	237
264.7	240.0	244.3	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7	0.0	0.5	1.0	45.4	−5.0	−54.6	54.9	264	0.0	1.0	0.963	52.8	−25.3	−43.8	50.7	240	0.0	0.993	1.0	52.1	−22.6	−47.2	52.4	244
271.3	247.5	251.2	0.0	0.375	1.0	40.2	1.2	−53.5	53.5	271.3	0.0	0.383	1.0	40.6	0.8	−53.6	53.7	270	0.0	0.915	1.0	51.6	−20.9	−49.4	53.8	247	0.0	0.814	1.0	51.5	−18.3	−52.5	55.7	250
278.9	255.0	258.0	0.0	0.25	1.0	35.8	8.1	−51.5	52.1	278.9	0.0	0.25	1.0	35.8	8.2	−51.4	52.2	278	0.0	0.713	1.0	50.9	−14.6	−54.9	56.9	255	0.0	0.65	1.0	49.8	−11.7	−55.5	56.8	258
289.8	262.5	264.8	0.0	0.125	1.0	34.5	17.3	−48.1	51.1	289.8	0.0	0.133	1.0	34.7	16.8	−48.3	51.2	289	0.0	0.562	1.0	47.4	−7.7	−55.2	55.8	262	0.0	0.506	1.0	45.6	−5.2	−54.6	55.0	264
299.9	270.0	271.7	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9	0.0	0.0	1.0	32.4	25.7	−44.5	51.4	299	0.0	0.4	1.0	41.3	0.0	−53.8	53.9	270	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271
307.1	277.5	278.8	0.125	0.0	1.0	31.4	32.0	−42.2	53.0	307.1	0.117	0.0	1.0	31.5	31.6	−42.3	52.9	306	0.0	0.282	1.0	37.0	6.4	−52.1	52.5	277	0.0	0.26	1.0	36.2	7.6	−51.6	52.3	278
315.9	285.0	285.9	0.25	0.0	1.0	30.9	39.6	−38.3	55.1	315.9	0.25	0.0	1.0	30.9	39.7	−38.3	55.2	315	0.0	0.181	1.0	35.1	13.4	−49.8	51.6	285	0.0	0.17	1.0	35.0	14.2	−49.4	51.5	285
322.1	292.5	293.0	0.375	0.0	1.0	33.0	45.3	−35.2	57.3	322.1	0.367	0.0	1.0	32.9	44.9	−35.4	57.3	321	0.0	0.098	1.0	34.1	19.2	−47.4	51.2	292	0.0	0.091	1.0	34.0	19.7	−47.2	51.2	292
326.8	300.0	300.1	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326	0.001	0.0	1.0	32.4	25.7	−44.4	51.4	300	0.004	0.0	1.0	32.3	25.9	−44.4	51.5	300
331.7	307.5	307.2	0.625	0.0	1.0	38.2	54.8	−29.4	62.2	331.7	0.617	0.0	1.0	38.1	54.5	−29.6	62.1	331	0.122	0.0	1.0	31.4	31.9	−42.2	53.0	307	0.119	0.0	1.0	31.5	31.7	−42.3	52.9	306
338.0	315.0	314.3	0.75	0.0	1.0	40.5	59.7	−24.0	64.3	338.0	0.75	0.0	1.0	40.6	59.7	−24.0	64.4	338	0.236	0.0	1.0	31.0	38.9	−38.8	55.0	315	0.227	0.0	1.0	31.0	38.3	−39.1	54.8	314
341.8	322.5	321.4	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8	0.867	0.0	1.0	42.9	64.7	−21.4	68.1	341	0.372	0.0	1.0	33.0	45.2	−35.2	57.3	322	0.352	0.0	1.0	32.7	44.3	−35.8	57.0	321
346.2	330.0	328.6	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2	1.0	0.0	1.0	46.8	70.8	−17.2	72.9	346	0.58	0.0	1.0	37.3	53.2	−30.6	61.4	330	0.545	0.0	1.0	36.4	51.8	−31.5	60.7	328
348.4	337.5	335.7	1.0	0.0	0.875	46.1	70.6	−14.4	72.0	348.4	1.0	0.0	0.883	46.2	70.6	−14.5	72.1	348	0.729	0.0	1.0	40.2	58.9	−24.9	64.0	337	0.694	0.0	1.0	39.5	57.6	−26.5	63.4	335
353.0	345.0	342.8	1.0	0.0	0.75	45.3	68.1	−8.3	68.6	353.0	1.0	0.0	0.75	45.4	68.1	−8.2	68.6	353	0.964	0.0	1.0	45.8	69.1	−18.4	71.6	345	0.902	0.0	1.0	43.9	66.3	−20.4	69.4	342
358.5	352.5	349.9	1.0	0.0	0.625	45.1	65.9	−1.7	65.9	358.5	1.0	0.0	0.633	45.1	66.1	−2.0	66.2	358	1.0	0.0	0.778	45.6	68.7	−9.6	69.4	352	1.0	0.0	0.848	46.0	70.1	−12.9	71.3	349
364.7	360.0	357.0	1.0	0.0	0.5	44.4	64.5	5.3	64.7	364.7	1.0	0.0	0.5	44.5	64.5	5.4	64.7	364	1.0	0.0	0.595	45.0	65.7	0.0	65.7	360	1.0	0.0	0.776	45.6	68.7	−9.5	69.4	352
370.1	367.5	364.1	1.0	0.0	0.375	44.8	62.0	11.0	63.0	370.1	1.0	0.0	0.383	44.8	62.3	10.7	63.2	369	1.0	0.0	0.448	44.6	63.6	7.8	64.0	367	1.0	0.0	0.598	45.0	65.7	−0.1	65.7	359
375.9	375.0	371.2	1.0	0.0	0.25	45.0	61.1	17.4	63.6	375.9	1.0	0.0	0.25	45.1	61.2	17.5	63.6	375	1.0	0.0	0.271	45.0	61.4	16.4	63.5	375	1.0	0.0	0.407	44.7	62.8	9.7	63.5	368
381.6	382.5	378.3	1.0	0.0	0.125	46.0	60.8	24.1	65.4	381.6	1.0	0.0	0.133	46.0	60.9	23.7	65.4	381	1.0	0.0	0.113	46.0	61.0	24.6	65.8	382	1.0	0.0	0.237	45.2	61.2	18.2	63.8	376
385.4	390.0	385.4	1.0	0.0	0.0	45.9	61.7	29.3	68.3	385.4	1.0	0.0	0.0	45.9	61.8	29.3	68.4	385	1.0	0.045	0.0	48.1	60.5	34.9	69.9	390	1.0	0.001	0.0	45.9	61.8	29.4	68.4	385



RE670−72 1−103730−L0 LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted Output: Offset standard print; separation cmyn6*, D65, page 8/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

1−103730−F0

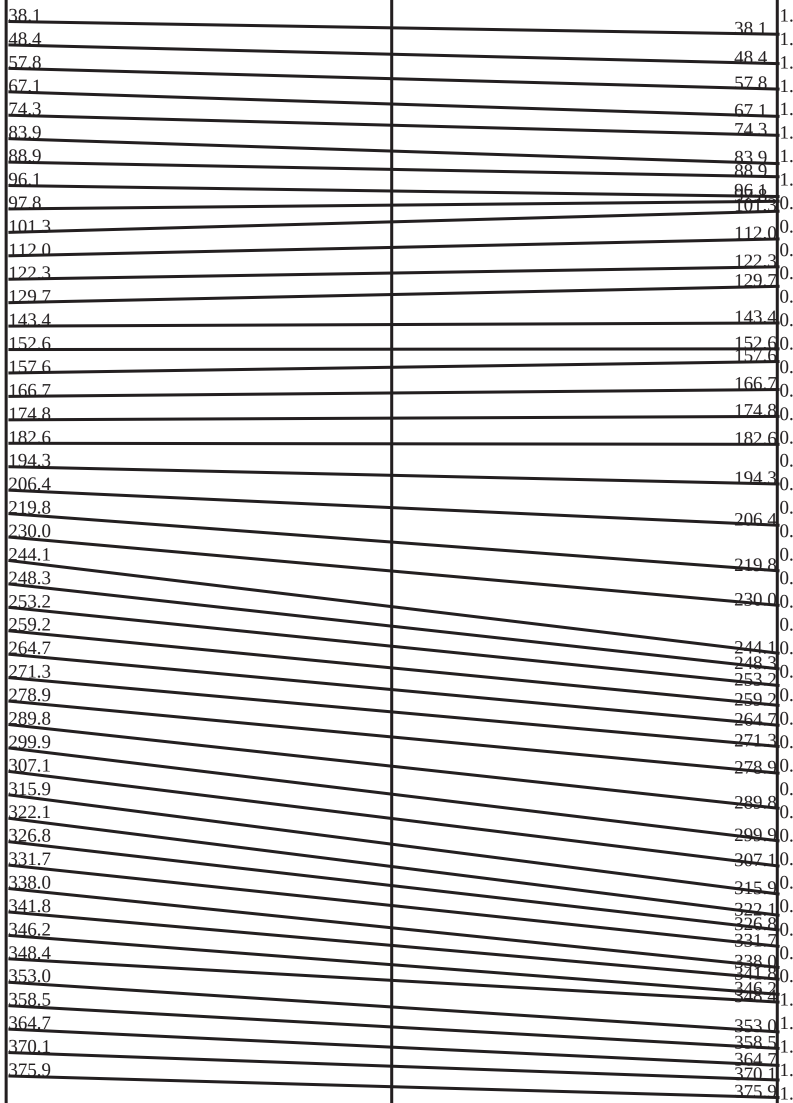
TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

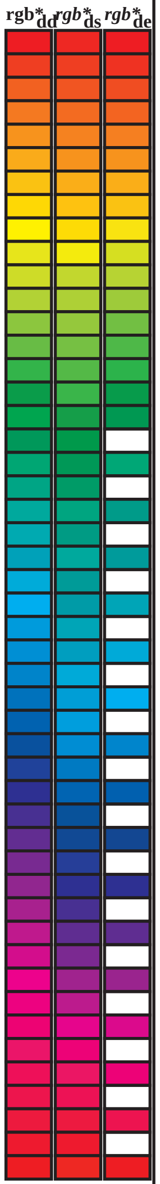
see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	*rgb**dd64M			*LAB**ddx64M (x=LabCh)				
25.4	30.0	25.4	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
38.1	37.5	33.8	1.0	0.125	0.0	51.8	57.0	44.8	72.5	38.1
48.4	45.0	42.1	1.0	0.25	0.0	58.5	43.6	49.1	65.7	48.4
57.8	52.5	50.5	1.0	0.375	0.0	64.3	33.5	53.4	63.0	57.8
67.1	60.0	58.8	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
74.3	67.5	67.2	1.0	0.625	0.0	73.7	17.3	61.9	64.3	74.3
83.9	75.0	75.6	1.0	0.75	0.0	80.6	6.5	62.0	62.4	83.9
88.9	82.5	83.9	1.0	0.875	0.0	84.6	1.0	57.3	57.3	88.9
96.1	90.0	92.3	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
97.8	97.5	101.0	0.875	1.0	0.0	91.1	−10.3	75.8	76.5	97.8
101.3	105.0	109.7	0.75	1.0	0.0	87.9	−14.8	73.6	75.1	101.3
112.0	112.5	118.5	0.625	1.0	0.0	79.4	−24.5	60.6	65.4	112.0
122.3	120.0	127.2	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
129.7	127.5	136.0	0.375	1.0	0.0	68.1	−38.1	45.8	59.6	129.7
143.4	135.0	144.7	0.25	1.0	0.0	61.4	−48.5	35.9	60.3	143.4
152.6	142.5	153.4	0.125	1.0	0.0	57.2	−54.2	28.0	61.0	152.6
157.6	150.0	162.2	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
166.7	157.5	169.0	0.0	1.0	0.125	53.6	−57.4	13.5	59.0	166.7
174.8	165.0	175.9	0.0	1.0	0.25	53.7	−53.2	4.8	53.4	174.8
182.6	172.5	182.7	0.0	1.0	0.375	54.4	−49.8	−2.2	49.9	182.6
194.3	180.0	189.6	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
206.4	187.5	196.4	0.0	1.0	0.625	55.9	−39.1	−19.5	43.7	206.4
219.8	195.0	203.2	0.0	1.0	0.75	56.0	−33.2	−27.7	43.3	219.8
230.0	202.5	210.1	0.0	1.0	0.875	54.4	−30.1	−36.0	46.9	230.0
244.1	210.0	216.9	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
248.3	217.5	223.8	0.0	0.875	1.0	51.4	−20.0	−50.6	54.4	248.3
253.2	225.0	230.6	0.0	0.75	1.0	51.5	−16.4	−54.5	56.9	253.2
259.2	232.5	237.5	0.0	0.625	1.0	49.3	−10.5	−55.7	56.7	259.2
264.7	240.0	244.3	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
271.3	247.5	251.2	0.0	0.375	1.0	40.2	1.2	−53.5	53.5	271.3
278.9	255.0	258.0	0.0	0.25	1.0	35.8	8.1	−51.5	52.1	278.9
289.8	262.5	264.8	0.0	0.125	1.0	34.5	17.3	−48.1	51.1	289.8
299.9	270.0	271.7	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
307.1	277.5	278.8	0.125	0.0	1.0	31.4	32.0	−42.2	53.0	307.1
315.9	285.0	285.9	0.25	0.0	1.0	30.9	39.6	−38.3	55.1	315.9
322.1	292.5	293.0	0.375	0.0	1.0	33.0	45.3	−35.2	57.3	322.1
326.8	300.0	300.1	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
331.7	307.5	307.2	0.625	0.0	1.0	38.2	54.8	−29.4	62.2	331.7
338.0	315.0	314.3	0.75	0.0	1.0	40.5	59.7	−24.0	64.3	338.0
341.8	322.5	321.4	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8
346.2	330.0	328.6	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
348.4	337.5	335.7	1.0	0.0	0.875	46.1	70.6	−14.4	72.0	348.4
353.0	345.0	342.8	1.0	0.0	0.75	45.3	68.1	−8.3	68.6	353.0
358.5	352.5	349.9	1.0	0.0	0.625	45.1	65.9	−1.7	65.9	358.5
364.7	360.0	357.0	1.0	0.0	0.5	44.4	64.5	5.3	64.7	364.7
370.1	367.5	364.1	1.0	0.0	0.375	44.8	62.0	11.0	63.0	370.1
375.9	375.0	371.2	1.0	0.0	0.25	45.0	61.1	17.4	63.6	375.9
381.6	382.5	378.3	1.0	0.0	0.125	46.0	60.8	24.1	65.4	381.6
385.4	390.0	385.4	1.0	0.0	0.0	45.9	61.7	29.3	68.3	385.4



*rgb**dex361M			*LAB**dex361M				
1.0	0.001	0.0	45.9	61.8	29.4	68.4	25
1.0	0.077	0.0	49.6	59.3	38.9	71.0	33
1.0	0.174	0.0	54.5	51.8	46.9	69.9	42
1.0	0.271	0.0	59.5	42.0	50.0	65.3	49
1.0	0.389	0.0	64.9	32.6	54.0	63.0	58
1.0	0.494	0.0	69.3	24.9	57.7	62.8	66
1.0	0.641	0.0	74.7	15.9	62.1	64.1	75
1.0	0.742	0.0	80.2	7.2	62.1	62.6	83
1.0	0.933	0.0	86.9	−2.4	61.6	61.7	92
0.782	1.0	0.0	88.7	−13.6	74.3	75.5	100
0.652	1.0	0.0	81.3	−22.8	63.5	67.5	109
0.553	1.0	0.0	75.6	−29.5	55.8	63.2	117
0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127
0.323	1.0	0.0	65.4	−42.6	42.1	59.9	135
0.233	1.0	0.0	60.9	−49.3	34.9	60.5	144
0.119	1.0	0.0	57.1	−54.4	27.9	61.2	152
0.0	1.0	0.063	53.9	−58.6	18.8	61.7	162
0.0	1.0	0.154	53.6	−56.5	11.4	57.7	168
0.0	1.0	0.267	53.9	−52.7	3.8	53.0	175
0.0	1.0	0.37	54.4	−49.9	−1.9	50.1	182
0.0	1.0	0.45	55.0	−46.7	−7.8	47.4	189
0.0	1.0	0.517	55.5	−43.6	−12.4	45.5	195
0.0	1.0	0.592	55.8	−40.6	−17.4	44.3	203
0.0	1.0	0.655	56.0	−37.8	−21.5	43.7	209
0.0	1.0	0.723	56.0	−34.6	−26.0	43.4	216
0.0	1.0	0.793	55.5	−32.3	−30.5	44.6	223
0.0	1.0	0.88	54.3	−29.8	−36.4	47.2	230
0.0	1.0	0.937	53.3	−26.9	−41.5	49.6	237
0.0	0.993	1.0	52.1	−22.6	−47.2	52.4	244
0.0	0.814	1.0	51.5	−18.3	−52.5	55.7	250
0.0	0.65	1.0	49.8	−11.7	−55.5	56.8	258
0.0	0.506	1.0	45.6	−5.2	−54.6	55.0	264
0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271
0.0	0.26	1.0	36.2	7.6	−51.6	52.3	278
0.0	0.17	1.0	35.0	14.2	−49.4	51.5	285
0.0	0.091	1.0	34.0	19.7	−47.2	51.2	292
0.004	0.0	1.0	32.3	25.9	−44.4	51.5	300
0.119	0.0	1.0	31.5	31.7	−42.3	52.9	306
0.227	0.0	1.0	31.0	38.3	−39.1	54.8	314
0.352	0.0	1.0	32.7	44.3	−35.8	57.0	321
0.545	0.0	1.0	36.4	51.8	−31.5	60.7	328
0.694	0.0	1.0	39.5	57.6	−26.5	63.4	335
0.902	0.0	1.0	43.9	66.3	−20.4	69.4	342
1.0	0.0	0.848	46.0	70.1	−12.9	71.3	349
1.0	0.0	0.776	45.6	68.7	−9.5	69.4	352
1.0	0.0	0.598	45.0	65.7	−0.1	65.7	359
1.0	0.0	0.407	44.7	62.8	9.7	63.5	368
1.0	0.0	0.237	45.2	61.2	18.2	63.8	376
1.0	0.001	0.0	45.9	61.8	29.4	68.4	385



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

RE670−72 1−103830−L0 LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyn6*, D65, page 9/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{ddx361Mi}$ (x=LabCh)						$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)						$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)						$rgb^*_{dd361Mi}$			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
25	30	25	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25	R_d	1.0	0.045	0.0	48.1	60.5	34.9	69.9	30	R_s	1.0	0.0	0.0	1.0	0.001	0.0	45.9	61.8	29.4	68.4	25	R_e	1.0	0.0	0.0	🟥	🟥	🟥
27	31	26	1.0	0.016	0.0	46.7	61.3	31.4	68.9	27		1.0	0.055	0.0	48.5	60.2	36.2	70.2	31		1.0	0.017	0.0	1.0	0.012	0.0	46.5	61.5	30.8	68.8	26		1.0	0.017	0.0	🟥	🟥	🟥
28	32	27	1.0	0.033	0.0	47.4	60.8	33.4	69.4	28		1.0	0.065	0.0	49.0	59.8	37.4	70.5	32		1.0	0.033	0.0	1.0	0.023	0.0	47.0	61.2	32.1	69.1	27		1.0	0.033	0.0	🟥	🟥	🟥
30	33	28	1.0	0.05	0.0	48.2	60.3	35.5	70.0	30		1.0	0.075	0.0	49.5	59.4	38.6	70.9	33		1.0	0.05	0.0	1.0	0.033	0.0	47.5	60.9	33.5	69.5	28		1.0	0.05	0.0	🟥	🟥	🟥
32	34	29	1.0	0.066	0.0	49.0	59.7	37.6	70.6	32		1.0	0.084	0.0	49.9	59.0	39.8	71.2	34		1.0	0.067	0.0	1.0	0.044	0.0	48.0	60.5	34.9	69.9	29		1.0	0.067	0.0	🟥	🟥	🟥
33	35	31	1.0	0.083	0.0	49.8	59.0	39.6	71.1	33		1.0	0.094	0.0	50.4	58.6	41.0	71.5	35		1.0	0.083	0.0	1.0	0.055	0.0	48.5	60.2	36.2	70.2	31		1.0	0.083	0.0	🟥	🟥	🟥
35	36	32	1.0	0.1	0.0	50.6	58.3	41.7	71.7	35		1.0	0.104	0.0	50.9	58.1	42.2	71.9	36		1.0	0.1	0.0	1.0	0.066	0.0	49.1	59.8	37.6	70.6	32		1.0	0.1	0.0	🟥	🟥	🟥
37	37	33	1.0	0.116	0.0	51.4	57.5	43.7	72.2	37		1.0	0.114	0.0	51.3	57.7	43.4	72.2	37		1.0	0.117	0.0	1.0	0.077	0.0	49.6	59.3	38.9	71.0	33		1.0	0.117	0.0	🟥	🟥	🟥
38	38	34	1.0	0.133	0.0	52.2	56.1	45.1	72.1	38		1.0	0.124	0.0	51.8	57.1	44.6	72.5	38		1.0	0.133	0.0	1.0	0.088	0.0	50.1	58.9	40.3	71.3	34		1.0	0.133	0.0	🟥	🟥	🟥
40	39	35	1.0	0.15	0.0	53.1	54.3	45.9	71.1	40		1.0	0.136	0.0	52.4	55.9	45.3	72.0	39		1.0	0.15	0.0	1.0	0.099	0.0	50.6	58.4	41.6	71.7	35		1.0	0.15	0.0	🟧	🟧	🟧
41	40	36	1.0	0.166	0.0	54.0	52.5	46.6	70.2	41		1.0	0.148	0.0	53.1	54.6	45.8	71.3	40		1.0	0.167	0.0	1.0	0.11	0.0	51.1	57.8	43.0	72.1	36		1.0	0.167	0.0	🟧	🟧	🟧
42	41	37	1.0	0.183	0.0	54.9	50.7	47.2	69.3	42		1.0	0.16	0.0	53.7	53.3	46.4	70.7	41		1.0	0.183	0.0	1.0	0.121	0.0	51.7	57.3	44.3	72.4	37		1.0	0.183	0.0	🟧	🟧	🟧
44	42	38	1.0	0.2	0.0	55.8	48.9	47.8	68.4	44		1.0	0.172	0.0	54.3	52.0	46.8	70.0	42		1.0	0.2	0.0	1.0	0.134	0.0	52.3	56.1	45.2	72.1	38		1.0	0.2	0.0	🟧	🟧	🟧
45	43	39	1.0	0.216	0.0	56.7	47.1	48.3	67.5	45		1.0	0.184	0.0	55.0	50.7	47.3	69.3	43		1.0	0.217	0.0	1.0	0.147	0.0	53.0	54.7	45.8	71.3	39		1.0	0.217	0.0	🟧	🟧	🟧
47	44	41	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47		1.0	0.196	0.0	55.6	49.4	47.7	68.7	44		1.0	0.233	0.0	1.0	0.161	0.0	53.7	53.2	46.4	70.6	41		1.0	0.233	0.0	🟧	🟧	🟧
48	45	42	1.0	0.25	0.0	58.5	43.6	49.1	65.7	48		1.0	0.208	0.0	56.3	48.1	48.1	68.0	45		1.0	0.25	0.0	1.0	0.174	0.0	54.5	51.8	46.9	69.9	42		1.0	0.25	0.0	🟧	🟧	🟧
49	46	43	1.0	0.266	0.0	59.2	42.2	49.8	65.3	49		1.0	0.221	0.0	56.9	46.8	48.4	67.3	46		1.0	0.267	0.0	1.0	0.188	0.0	55.2	50.3	47.4	69.1	43		1.0	0.267	0.0	🟧	🟧	🟧
50	47	44	1.0	0.283	0.0	60.0	40.9	50.4	65.0	50		1.0	0.233	0.0	57.6	45.5	48.8	66.7	47		1.0	0.283	0.0	1.0	0.201	0.0	55.9	48.8	47.9	68.4	44		1.0	0.283	0.0	🟧	🟧	🟧
52	48	45	1.0	0.3	0.0	60.8	39.6	51.0	64.6	52		1.0	0.245	0.0	58.2	44.2	49.1	66.0	48		1.0	0.3	0.0	1.0	0.215	0.0	56.6	47.4	48.3	67.6	45		1.0	0.3	0.0	🟧	🟧	🟧
53	49	46	1.0	0.316	0.0	61.6	38.2	51.6	64.3	53		1.0	0.258	0.0	58.9	43.0	49.5	65.6	49		1.0	0.317	0.0	1.0	0.228	0.0	57.4	45.9	48.6	66.9	46		1.0	0.317	0.0	🟧	🟧	🟧
54	50	47	1.0	0.333	0.0	62.3	36.9	52.2	63.9	54		1.0	0.271	0.0	59.5	42.0	50.0	65.3	50		1.0	0.333	0.0	1.0	0.242	0.0	58.1	44.5	49.0	66.2	47		1.0	0.333	0.0	🟧	🟧	🟧
55	51	48	1.0	0.35	0.0	63.1	35.5	52.7	63.5	55		1.0	0.284	0.0	60.1	40.9	50.5	65.0	51		1.0	0.35	0.0	1.0	0.256	0.0	58.8	43.2	49.4	65.6	48		1.0	0.35	0.0	🟧	🟧	🟧
57	52	49	1.0	0.366	0.0	63.9	34.2	53.1	63.2	57		1.0	0.297	0.0	60.7	39.8	51.0	64.7	52		1.0	0.367	0.0	1.0	0.271	0.0	59.5	42.0	50.0	65.3	49		1.0	0.367	0.0	🟧	🟧	🟧
58	53	51	1.0	0.383	0.0	64.6	32.9	53.7	63.0	58		1.0	0.31	0.0	61.3	38.8	51.5	64.4	53		1.0	0.383	0.0	1.0	0.285	0.0	60.2	40.8	50.6	65.0	51		1.0	0.383	0.0	🟧	🟧	🟧
59	54	52	1.0	0.4	0.0	65.3	31.7	54.4	63.0	59		1.0	0.324	0.0	61.9	37.7	51.9	64.2	54		1.0	0.4	0.0	1.0	0.3	0.0	60.8	39.6	51.1	64.7	52		1.0	0.4	0.0	🟧	🟧	🟧
60	55	53	1.0	0.416	0.0	66.0	30.5	55.0	62.9	60		1.0	0.337	0.0	62.6	36.6	52.3	63.9	55		1.0	0.417	0.0	1.0	0.315	0.0	61.5	38.4	51.6	64.3	53		1.0	0.417	0.0	🟧	🟧	🟧
62	56	54	1.0	0.433	0.0	66.7	29.3	55.6	62.9	62		1.0	0.35	0.0	63.2	35.6	52.7	63.6	56		1.0	0.433	0.0	1.0	0.329	0.0	62.2	37.2	52.1	64.0	54		1.0	0.433	0.0	🟧	🟧	🟧
63	57	55	1.0	0.45	0.0	67.4	28.1	56.2	62.9	63		1.0	0.363	0.0	63.8	34.5	53.1	63.3	57		1.0	0.45	0.0	1.0	0.344	0.0	62.9	36.0	52.5	63.7	55		1.0	0.45	0.0	🟧	🟧	🟧
64	58	56	1.0	0.466	0.0	68.1	26.8	56.8	62.8	64		1.0	0.377	0.0	64.4	33.4	53.5	63.1	58		1.0	0.467	0.0	1.0	0.359	0.0	63.6	34.8	53.0	63.4	56		1.0	0.467	0.0	🟧	🟧	🟧
65	59	57	1.0	0.483	0.0	68.8	25.6	57.3	62.8	65		1.0	0.39	0.0	65.0	32.5	54.0	63.0	59		1.0	0.483	0.0	1.0	0.374	0.0	64.3	33.6	53.4	63.1	57		1.0	0.483	0.0	🟧	🟧	🟧
67	60	58	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67		1.0	0.404	0.0	65.5	31.5	54.6	63.0	60		1.0	0.5	0.0	1.0	0.389	0.0	64.9	32.6	54.0	63.0	58		1.0	0.5	0.0	🟧	🟧	🟧
68	61	60	1.0	0.516	0.0	70.1	23.5	58.4	63.0	68		1.0	0.417	0.0	66.1	30.5	55.1	63.0	61		1.0	0.517	0.0	1.0	0.404	0.0	65.5	31.5	54.6	63.0	60		1.0	0.517	0.0	🟧	🟧	🟧
69	62	61	1.0	0.533	0.0	70.6	22.5	59.0	63.2	69		1.0	0.431	0.0	66.7	29.6	55.6	63.0	62		1.0	0.533	0.0	1.0	0.419	0.0	66.2	30.4	55.1	63.0	61		1.0	0.533	0.0	🟧	🟧	🟧
70	63	62	1.0	0.55	0.0	71.2	21.6	59.6	63.4	70		1.0	0.444	0.0	67.2	28.6	56.1	62.9	63		1.0	0.55	0.0	1.0	0.434	0.0	66.8	29.3	55.7	62.9	62		1.0	0.55	0.0	🟧	🟧	🟧
70	64	63	1.0	0.566	0.0	71.8	20.7	60.1	63.6	70		1.0	0.458	0.0	67.8	27.6	56.5	62.9	64		1.0	0.567	0.0	1.0	0.449	0.0	67.4	28.2	56.2	62.9	63		1.0	0.567	0.0	🟧	🟧	🟧
71	65	64	1.0	0.583	0.0	72.3	19.7	60.7	63.8	71		1.0	0.471	0.0	68.3	26.6	57.0	62.9	65		1.0	0.583	0.0	1.0	0.464	0.0	68.0	27.1	56.7	62.9	64		1.0	0.583	0.0	🟧	🟧	🟧
72	66	65	1.0	0.6	0.0	72.9	18.8	61.2	64.0	72		1.0	0.485	0.0	68.9	25.6	57.4	62.8	66		1.0	0.6	0.0	1.0	0.479	0.0	68.7	26.0	57.2	62.9	65		1.0	0.6	0.0	🟧	🟧	🟧
73	67	66	1.0	0.616	0.0	73.4	17.8	61.7	64.2	73		1.0	0.498	0.0	69.5	24.5	57.8	62.8	67		1.0	0.617	0.0	1.0	0.494	0.0	69.3	24.9	57.7	62.8	66		1.0	0.617	0.0	🟧	🟧	🟧
74	68	67	1.0	0.633	0.0	74.2	16.6	62.0	64.2	74		1.0	0.515	0.0	70.1	23.6	58.4	63.0	68		1.0	0.633	0.0	1.0	0.511	0.0	69.9	23.8	58.3	63.0	67		1.0	0.633	0.0	🟧	🟧	🟧
76	69	68	1.0	0.65	0.0	75.1	15.1	62.1	63.9	76		1.0	0.532	0.0	70.6	22.7	59.0	63.2	69		1.0	0.65	0.0	1.0	0.531	0.0	70.6	22.7	59.0	63.2	68		1.0	0.65	0.0	🟧	🟧	🟧
77	70	70	1.0	0.666	0.0	76.0	13.7	62.2	63.7	77		1.0	0.55	0.0	71.2	21.7	59.6	63.4	70		1.0	0.667	0.0	1.0	0.55	0.0	71.2	21.7	59.6	63.4	70		1.0	0.667	0.0	🟧	🟧	🟧
78	71	71	1.0	0.683	0.0	76.9	12.2	62.2	63.4	78		1.0	0.567	0.0	71.8	20.7	60.2	63.7	71		1.0	0.683	0.0	1.0	0.569	0.0	71.9	20.6	60.3	63.7	71		1.0	0.683	0.0	🟧	🟧	🟧
80	72	72	1.0	0.7	0.0	77.8	10.8	62.2	63.2	80		1.0	0.584	0.0	72.4	19.7	60.7	63.9	72		1.0	0.7	0.0	1.0	0.589	0.0	72.6	19.5	60.9	63.9	72		1.0	0.7	0.0	🟨	🟨	🟨
81	73	73	1.0	0.716	0.0	78.7	9.3	62.2	62.9	81		1.0	0.602	0.0	73.0	18.7	61.3	64.1	73		1.0	0.717	0.0	1.0	0.608	0.0	73.2	18.4	61.5	64.2	73		1.0	0.717	0.0	🟨	🟨	🟨
82	74	74	1.0	0.733	0.0	79.6	7.9	62.1	62.7	82		1.0	0.619	0.0	73.6	17.7	61.8	64.3	74		1.0	0.733	0.0	1.0	0.627	0.0	73.9	17.2	62.0	64.4	74		1.0	0.733	0.0	🟨	🟨	🟨
83	75	75	1.0	0.75	0.0	80.6	6.5	62.0	62.4	83		1.0	0.633	0.0	74.2	16.6	62.1	64.2	75		1.0	0.75	0.0	1.0	0.641	0.0	74.7	15.9	62.1	64.1	75		1.0	0.75	0.0	🟨	🟨	🟨

RE670−72 1−103930−L0 LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyn6*, D65, page 10/33

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

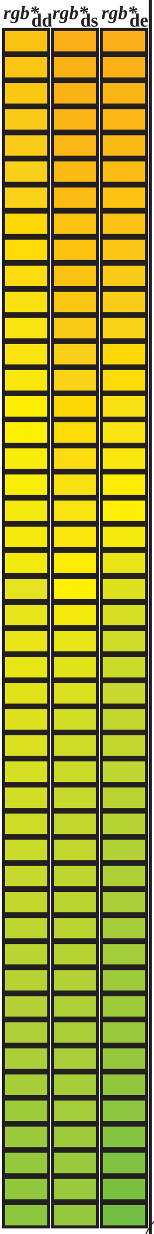
TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{ddx361Mi}$ (x=LabCh)						$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)						$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)						$rgb^*_{dd361Mi}$		
83	75	75	1.0	0.75	0.0	80.6	6.5	62.0	62.4	83		1.0	0.633	0.0	74.2	16.6	62.1	64.2	75		1.0	0.75	0.0	1.0	0.641	0.0	74.7	15.9	62.1	64.1	75		1.0	0.75	0.0
84	76	76	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84		1.0	0.646	0.0	74.9	15.5	62.1	64.0	76		1.0	0.767	0.0	1.0	0.656	0.0	75.5	14.7	62.2	63.9	76		1.0	0.767	0.0
85	77	77	1.0	0.783	0.0	81.6	4.9	60.8	61.0	85		1.0	0.659	0.0	75.7	14.4	62.2	63.8	77		1.0	0.783	0.0	1.0	0.67	0.0	76.2	13.4	62.2	63.7	77		1.0	0.783	0.0
85	78	78	1.0	0.8	0.0	82.2	4.2	60.2	60.3	85		1.0	0.672	0.0	76.4	13.2	62.3	63.6	78		1.0	0.8	0.0	1.0	0.685	0.0	77.0	12.2	62.3	63.5	78		1.0	0.8	0.0
86	79	80	1.0	0.816	0.0	82.7	3.4	59.6	59.7	86		1.0	0.685	0.0	77.1	12.1	62.3	63.4	79		1.0	0.817	0.0	1.0	0.699	0.0	77.8	10.9	62.3	63.2	80		1.0	0.817	0.0
87	80	81	1.0	0.833	0.0	83.3	2.7	58.9	59.0	87		1.0	0.698	0.0	77.8	11.0	62.3	63.2	80		1.0	0.833	0.0	1.0	0.713	0.0	78.6	9.7	62.3	63.0	81		1.0	0.833	0.0
87	81	82	1.0	0.85	0.0	83.8	2.0	58.3	58.3	87		1.0	0.711	0.0	78.5	9.9	62.3	63.0	81		1.0	0.85	0.0	1.0	0.728	0.0	79.4	8.4	62.2	62.8	82		1.0	0.85	0.0
88	82	83	1.0	0.866	0.0	84.3	1.3	57.6	57.6	88		1.0	0.724	0.0	79.2	8.7	62.2	62.8	82		1.0	0.867	0.0	1.0	0.742	0.0	80.2	7.2	62.1	62.6	83		1.0	0.867	0.0
89	83	84	1.0	0.883	0.0	84.9	0.5	57.9	57.9	89		1.0	0.737	0.0	79.9	7.6	62.2	62.6	83		1.0	0.883	0.0	1.0	0.763	0.0	81.0	5.9	61.6	61.9	84		1.0	0.883	0.0
90	84	85	1.0	0.9	0.0	85.6	−0.4	59.2	59.2	90		1.0	0.75	0.0	80.6	6.5	62.1	62.4	84		1.0	0.9	0.0	1.0	0.791	0.0	81.9	4.6	60.6	60.8	85		1.0	0.9	0.0
91	85	86	1.0	0.916	0.0	86.2	−1.4	60.4	60.4	91		1.0	0.775	0.0	81.4	5.4	61.2	61.4	85		1.0	0.917	0.0	1.0	0.819	0.0	82.8	3.4	59.5	59.6	86		1.0	0.917	0.0
92	86	87	1.0	0.933	0.0	86.9	−2.5	61.6	61.7	92		1.0	0.8	0.0	82.2	4.2	60.2	60.4	86		1.0	0.933	0.0	1.0	0.847	0.0	83.7	2.2	58.4	58.5	87		1.0	0.933	0.0
93	87	88	1.0	0.95	0.0	87.5	−3.6	62.8	62.9	93		1.0	0.825	0.0	83.0	3.1	59.3	59.4	87		1.0	0.95	0.0	1.0	0.875	0.0	84.6	1.0	57.3	57.4	88		1.0	0.95	0.0
94	88	90	1.0	0.966	0.0	88.2	−4.7	64.0	64.2	94		1.0	0.85	0.0	83.9	2.0	58.3	58.3	88		1.0	0.967	0.0	1.0	0.894	0.0	85.4	0.0	58.8	58.8	90		1.0	0.967	0.0
95	89	91	1.0	0.983	0.0	88.8	−5.9	65.2	65.4	95		1.0	0.875	0.0	84.7	1.0	57.3	57.4	89		1.0	0.983	0.0	1.0	0.914	0.0	86.1	−1.2	60.2	60.2	91		1.0	0.983	0.0
96	90	92	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96	Y_d	1.0	0.893	0.0	85.3	0.0	58.7	58.7	90	Y_s	1.0	1.0	0.0	1.0	0.933	0.0	86.9	−2.4	61.6	61.7	92	Y_e	1.0	1.0	0.0
96	91	93	0.983	1.0	0.0	89.7	−7.5	67.6	68.0	96		1.0	0.91	0.0	86.0	−0.9	60.0	60.0	91		0.983	1.0	0.0	1.0	0.953	0.0	87.7	−3.7	63.1	63.2	93		0.983	1.0	0.0
96	92	94	0.966	1.0	0.0	89.9	−7.9	68.9	69.3	96		1.0	0.928	0.0	86.7	−2.0	61.2	61.3	92		0.967	1.0	0.0	1.0	0.974	0.0	88.5	−5.1	64.5	64.8	94		0.967	1.0	0.0
96	93	95	0.95	1.0	0.0	90.1	−8.3	70.1	70.6	96		1.0	0.945	0.0	87.4	−3.2	62.5	62.6	93		0.95	1.0	0.0	1.0	0.994	0.0	89.3	−6.6	65.9	66.3	95		0.95	1.0	0.0
97	94	96	0.933	1.0	0.0	90.3	−8.8	71.4	71.9	97		1.0	0.962	0.0	88.0	−4.4	63.8	63.9	94		0.933	1.0	0.0	0.938	1.0	0.0	90.3	−8.6	71.1	71.6	96		0.933	1.0	0.0
97	95	98	0.916	1.0	0.0	90.5	−9.2	72.7	73.3	97		1.0	0.98	0.0	88.7	−5.6	65.0	65.2	95		0.917	1.0	0.0	0.863	1.0	0.0	90.8	−10.7	75.7	76.5	98		0.917	1.0	0.0
97	96	99	0.9	1.0	0.0	90.7	−9.7	73.9	74.6	97		1.0	0.997	0.0	89.4	−6.9	66.2	66.5	96		0.9	1.0	0.0	0.822	1.0	0.0	89.8	−12.2	75.0	76.0	99		0.9	1.0	0.0
97	97	100	0.883	1.0	0.0	91.0	−10.1	75.2	75.9	97		0.936	1.0	0.0	90.3	−8.6	71.3	71.8	97		0.883	1.0	0.0	0.782	1.0	0.0	88.7	−13.6	74.3	75.5	100		0.883	1.0	0.0
98	98	101	0.866	1.0	0.0	90.9	−10.7	75.7	76.5	98		0.868	1.0	0.0	91.0	−10.5	75.8	76.5	98		0.867	1.0	0.0	0.747	1.0	0.0	87.7	−15.0	73.4	74.9	101		0.867	1.0	0.0
98	99	102	0.85	1.0	0.0	90.4	−11.3	75.4	76.3	98		0.833	1.0	0.0	90.1	−11.8	75.2	76.1	99		0.85	1.0	0.0	0.733	1.0	0.0	86.8	−16.3	72.0	73.8	102		0.85	1.0	0.0
98	100	103	0.833	1.0	0.0	90.0	−11.8	75.1	76.1	98		0.798	1.0	0.0	89.2	−13.0	74.6	75.7	100		0.833	1.0	0.0	0.72	1.0	0.0	85.9	−17.5	70.6	72.8	103		0.833	1.0	0.0
99	101	105	0.816	1.0	0.0	89.6	−12.4	74.8	75.9	99		0.763	1.0	0.0	88.3	−14.3	73.9	75.3	101		0.817	1.0	0.0	0.706	1.0	0.0	85.0	−18.6	69.2	71.7	105		0.817	1.0	0.0
99	102	106	0.8	1.0	0.0	89.2	−13.0	74.5	75.7	99		0.743	1.0	0.0	87.4	−15.4	72.9	74.6	102		0.8	1.0	0.0	0.692	1.0	0.0	84.0	−19.7	67.8	70.7	106		0.8	1.0	0.0
100	103	107	0.783	1.0	0.0	88.7	−13.6	74.2	75.5	100		0.731	1.0	0.0	86.7	−16.5	71.8	73.7	103		0.783	1.0	0.0	0.679	1.0	0.0	83.1	−20.8	66.4	69.6	107		0.783	1.0	0.0
100	104	108	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100		0.719	1.0	0.0	85.9	−17.5	70.6	72.8	104		0.767	1.0	0.0	0.665	1.0	0.0	82.2	−21.8	65.0	68.6	108		0.767	1.0	0.0
101	105	109	0.75	1.0	0.0	87.9	−14.8	73.6	75.1	101		0.708	1.0	0.0	85.1	−18.5	69.4	71.8	105		0.75	1.0	0.0	0.652	1.0	0.0	81.3	−22.8	63.5	67.5	109		0.75	1.0	0.0
102	106	110	0.733	1.0	0.0	86.8	−16.3	72.0	73.8	102		0.696	1.0	0.0	84.3	−19.5	68.2	70.9	106		0.733	1.0	0.0	0.638	1.0	0.0	80.3	−23.7	62.0	66.4	110		0.733	1.0	0.0
104	107	112	0.716	1.0	0.0	85.6	−17.8	70.3	72.5	104		0.684	1.0	0.0	83.5	−20.4	67.0	70.0	107		0.717	1.0	0.0	0.624	1.0	0.0	79.4	−24.5	60.6	65.4	112		0.717	1.0	0.0
105	108	113	0.7	1.0	0.0	84.5	−19.2	68.6	71.2	105		0.673	1.0	0.0	82.7	−21.3	65.7	69.1	108		0.7	1.0	0.0	0.61	1.0	0.0	78.7	−25.6	59.7	65.0	113		0.7	1.0	0.0
107	109	114	0.683	1.0	0.0	83.4	−20.5	66.8	69.9	107		0.661	1.0	0.0	81.9	−22.1	64.5	68.2	109		0.683	1.0	0.0	0.596	1.0	0.0	77.9	−26.6	58.7	64.5	114		0.683	1.0	0.0
108	110	115	0.666	1.0	0.0	82.2	−21.7	65.1	68.6	108		0.649	1.0	0.0	81.1	−22.9	63.2	67.3	110		0.667	1.0	0.0	0.582	1.0	0.0	77.1	−27.6	57.8	64.1	115		0.667	1.0	0.0
109	111	116	0.65	1.0	0.0	81.1	−22.9	63.3	67.3	109		0.637	1.0	0.0	80.3	−23.7	62.0	66.4	111		0.65	1.0	0.0	0.567	1.0	0.0	76.3	−28.6	56.8	63.6	116		0.65	1.0	0.0
111	112	117	0.633	1.0	0.0	80.0	−24.0	61.5	66.0	111		0.626	1.0	0.0	79.5	−24.4	60.7	65.5	112		0.633	1.0	0.0	0.553	1.0	0.0	75.6	−29.5	55.8	63.2	117		0.633	1.0	0.0
112	113	119	0.616	1.0	0.0	79.0	−25.2	60.0	65.1	112		0.614	1.0	0.0	78.8	−25.3	59.9	65.1	113		0.617	1.0	0.0	0.539	1.0	0.0	74.8	−30.4	54.8	62.7	119		0.617	1.0	0.0
114	114	120	0.6	1.0	0.0	78.0	−26.4	58.9	64.6	114		0.601	1.0	0.0	78.2	−26.2	59.1	64.7	114		0.6	1.0	0.0	0.525	1.0	0.0	74.0	−31.3	53.8	62.3	120		0.6	1.0	0.0
115	115	121	0.583	1.0	0.0	77.1	−27.5	57.8	64.1	115		0.589	1.0	0.0	77.5	−27.1	58.3	64.3	115		0.583	1.0	0.0	0.511	1.0	0.0	73.2	−32.2	52.8	61.8	121		0.583	1.0	0.0
116	116	122	0.566	1.0	0.0	76.2	−28.7	56.7	63.5	116		0.577	1.0	0.0	76.8	−27.9	57.5	63.9	116		0.567	1.0	0.0	0.495	1.0	0.0	72.5	−33.0	51.8	61.4	122		0.567	1.0	0.0
118	117	123	0.55	1.0	0.0	75.3	−29.8	55.5	63.0	118		0.565	1.0	0.0	76.2	−28.7	56.6	63.5	117		0.55	1.0	0.0	0.475	1.0	0.0	71.8	−33.9	50.8	61.1	123		0.55	1.0	0.0
119	118	124	0.533	1.0	0.0	74.4	−30.8	54.4	62.5	119		0.553	1.0	0.0	75.5	−29.6	55.8	63.2	118		0.533	1.0	0.0	0.456	1.0	0.0	71.1	−34.7	49.9	60.8	124		0.533	1.0	0.0
120	119	126	0.516	1.0	0.0	73.5	−31.8	53.2	62.0	120		0.54	1.0	0.0	74.9	−30.3	54.9	62.8	119		0.517	1.0	0.0	0.436	1.0	0.0	70.3	−35.6	48.9	60.5	126		0.517	1.0	0.0
122	120	127	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122		0.528	1.0	0.0	74.2	−31.1	54.0	62.4	120		0.5	1.0	0.0	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127		0.5	1.0	0.0



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

RE670−72 1−1031030−L0

LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyn6*, D65, page 11/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

1−1031030−F0

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{ddx361Mi}$ (x=LabCh)					$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
122	120	127	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122	0.528	1.0	0.0	74.2	−31.1	54.0	62.4	120	0.5	1.0	0.0	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127	0.5	1.0	0.0	🟩	🟩	🟩
123	121	128	0.483	1.0	0.0	72.0	−33.6	51.2	61.2	123	0.516	1.0	0.0	73.5	−31.8	53.2	62.0	121	0.483	1.0	0.0	0.397	1.0	0.0	68.9	−37.2	47.0	59.9	128	0.483	1.0	0.0	🟩	🟩	🟩
124	122	129	0.466	1.0	0.0	71.4	−34.3	50.4	61.0	124	0.504	1.0	0.0	72.9	−32.6	52.3	61.6	122	0.467	1.0	0.0	0.377	1.0	0.0	68.2	−37.9	46.0	59.7	129	0.467	1.0	0.0	🟩	🟩	🟩
125	123	130	0.45	1.0	0.0	70.8	−35.0	49.5	60.7	125	0.488	1.0	0.0	72.2	−33.3	51.4	61.3	123	0.45	1.0	0.0	0.366	1.0	0.0	67.6	−38.9	45.2	59.7	130	0.45	1.0	0.0	🟩	🟩	🟩
126	124	131	0.433	1.0	0.0	70.2	−35.7	48.7	60.5	126	0.471	1.0	0.0	71.6	−34.1	50.6	61.1	124	0.433	1.0	0.0	0.355	1.0	0.0	67.1	−39.8	44.4	59.7	131	0.433	1.0	0.0	🟩	🟩	🟩
127	125	133	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127	0.455	1.0	0.0	71.0	−34.8	49.8	60.8	125	0.417	1.0	0.0	0.344	1.0	0.0	66.5	−40.8	43.7	59.8	133	0.417	1.0	0.0	🟩	🟩	🟩
128	126	134	0.4	1.0	0.0	69.0	−37.1	47.1	59.9	128	0.438	1.0	0.0	70.4	−35.5	49.0	60.6	126	0.4	1.0	0.0	0.334	1.0	0.0	65.9	−41.7	42.9	59.9	134	0.4	1.0	0.0	🟩	🟩	🟩
129	127	135	0.383	1.0	0.0	68.4	−37.7	46.2	59.7	129	0.421	1.0	0.0	69.8	−36.2	48.2	60.3	127	0.383	1.0	0.0	0.323	1.0	0.0	65.4	−42.6	42.1	59.9	135	0.383	1.0	0.0	🟩	🟩	🟩
130	128	136	0.366	1.0	0.0	67.6	−38.8	45.2	59.6	130	0.404	1.0	0.0	69.2	−36.9	47.3	60.1	128	0.367	1.0	0.0	0.313	1.0	0.0	64.8	−43.5	41.2	60.0	136	0.367	1.0	0.0	🟩	🟩	🟩
132	129	137	0.35	1.0	0.0	66.8	−40.3	44.0	59.7	132	0.387	1.0	0.0	68.6	−37.5	46.5	59.8	129	0.35	1.0	0.0	0.302	1.0	0.0	64.3	−44.4	40.4	60.1	137	0.35	1.0	0.0	🟩	🟩	🟩
134	130	138	0.333	1.0	0.0	65.9	−41.8	42.8	59.8	134	0.372	1.0	0.0	68.0	−38.2	45.7	59.6	130	0.333	1.0	0.0	0.292	1.0	0.0	63.7	−45.2	39.5	60.1	138	0.333	1.0	0.0	🟩	🟩	🟩
136	131	140	0.316	1.0	0.0	65.0	−43.2	41.5	59.9	136	0.363	1.0	0.0	67.5	−39.1	45.0	59.7	131	0.317	1.0	0.0	0.281	1.0	0.0	63.1	−46.1	38.6	60.2	140	0.317	1.0	0.0	🟩	🟩	🟩
137	132	141	0.3	1.0	0.0	64.1	−44.6	40.2	60.0	137	0.354	1.0	0.0	67.0	−39.9	44.4	59.7	132	0.3	1.0	0.0	0.27	1.0	0.0	62.6	−46.9	37.7	60.3	141	0.3	1.0	0.0	🟩	🟩	🟩
139	133	142	0.283	1.0	0.0	63.2	−45.9	38.8	60.1	139	0.345	1.0	0.0	66.6	−40.7	43.7	59.8	133	0.283	1.0	0.0	0.26	1.0	0.0	62.0	−47.7	36.8	60.3	142	0.283	1.0	0.0	🟩	🟩	🟩
141	134	143	0.266	1.0	0.0	62.3	−47.2	37.3	60.2	141	0.336	1.0	0.0	66.1	−41.5	43.1	59.9	134	0.267	1.0	0.0	0.249	1.0	0.0	61.4	−48.5	35.9	60.4	143	0.267	1.0	0.0	🟩	🟩	🟩
143	135	144	0.25	1.0	0.0	61.4	−48.5	35.9	60.3	143	0.327	1.0	0.0	65.6	−42.3	42.4	59.9	135	0.25	1.0	0.0	0.233	1.0	0.0	60.9	−49.3	34.9	60.5	144	0.25	1.0	0.0	🟩	🟩	🟩
144	136	145	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144	0.318	1.0	0.0	65.1	−43.0	41.7	60.0	136	0.233	1.0	0.0	0.217	1.0	0.0	60.4	−50.1	33.9	60.6	145	0.233	1.0	0.0	🟩	🟩	🟩
145	137	147	0.216	1.0	0.0	60.3	−50.1	33.9	60.5	145	0.309	1.0	0.0	64.6	−43.8	40.9	60.0	137	0.217	1.0	0.0	0.201	1.0	0.0	59.8	−50.8	33.0	60.7	147	0.217	1.0	0.0	🟩	🟩	🟩
147	138	148	0.2	1.0	0.0	59.7	−50.9	32.8	60.6	147	0.3	1.0	0.0	64.1	−44.6	40.2	60.1	138	0.2	1.0	0.0	0.185	1.0	0.0	59.3	−51.6	32.0	60.7	148	0.2	1.0	0.0	🟩	🟩	🟩
148	139	149	0.183	1.0	0.0	59.2	−51.7	31.8	60.7	148	0.291	1.0	0.0	63.6	−45.3	39.5	60.1	139	0.183	1.0	0.0	0.169	1.0	0.0	58.7	−52.3	31.0	60.8	149	0.183	1.0	0.0	🟩	🟩	🟩
149	140	150	0.166	1.0	0.0	58.6	−52.4	30.7	60.8	149	0.282	1.0	0.0	63.2	−46.0	38.7	60.2	140	0.167	1.0	0.0	0.154	1.0	0.0	58.2	−53.0	29.9	60.9	150	0.167	1.0	0.0	🟩	🟩	🟩
150	141	151	0.15	1.0	0.0	58.0	−53.2	29.7	60.9	150	0.273	1.0	0.0	62.7	−46.7	37.9	60.3	141	0.15	1.0	0.0	0.138	1.0	0.0	57.7	−53.6	28.9	61.0	151	0.15	1.0	0.0	🟩	🟩	🟩
152	142	152	0.133	1.0	0.0	57.5	−53.9	28.6	61.0	152	0.264	1.0	0.0	62.2	−47.4	37.1	60.3	142	0.133	1.0	0.0	0.119	1.0	0.0	57.1	−54.4	27.9	61.2	152	0.133	1.0	0.0	🟩	🟩	🟩
152	143	154	0.116	1.0	0.0	57.0	−54.6	27.8	61.2	152	0.255	1.0	0.0	61.7	−48.1	36.3	60.4	143	0.117	1.0	0.0	0.09	1.0	0.0	56.4	−55.7	27.1	62.0	154	0.117	1.0	0.0	🟩	🟩	🟩
153	144	155	0.1	1.0	0.0	56.6	−55.3	27.3	61.7	153	0.243	1.0	0.0	61.2	−48.8	35.5	60.4	144	0.1	1.0	0.0	0.061	1.0	0.0	55.6	−56.9	26.3	62.8	155	0.1	1.0	0.0	🟩	🟩	🟩
154	145	156	0.083	1.0	0.0	56.2	−56.0	26.9	62.1	154	0.23	1.0	0.0	60.8	−49.5	34.7	60.5	145	0.083	1.0	0.0	0.032	1.0	0.0	54.9	−58.1	25.4	63.5	156	0.083	1.0	0.0	🟩	🟩	🟩
154	146	157	0.066	1.0	0.0	55.7	−56.7	26.4	62.6	154	0.216	1.0	0.0	60.3	−50.1	33.9	60.6	146	0.067	1.0	0.0	0.002	1.0	0.0	54.2	−59.3	24.5	64.3	157	0.067	1.0	0.0	🟩	🟩	🟩
155	147	158	0.049	1.0	0.0	55.3	−57.4	25.9	63.0	155	0.202	1.0	0.0	59.8	−50.8	33.0	60.7	147	0.05	1.0	0.0	0.0	1.0	0.015	54.1	−59.3	23.1	63.7	158	0.05	1.0	0.0	🟩	🟩	🟩
156	148	159	0.033	1.0	0.0	54.9	−58.1	25.4	63.4	156	0.189	1.0	0.0	59.4	−51.4	32.2	60.7	148	0.033	1.0	0.0	0.0	1.0	0.031	54.0	−59.1	21.7	63.0	159	0.033	1.0	0.0	🟩	🟩	🟩
156	149	161	0.016	1.0	0.0	54.5	−58.8	24.9	63.9	156	0.175	1.0	0.0	58.9	−52.0	31.3	60.8	149	0.017	1.0	0.0	0.0	1.0	0.047	53.9	−58.9	20.2	62.4	161	0.017	1.0	0.0	🟩	🟩	🟩
157	150	162	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157 G_d	0.161	1.0	0.0	58.5	−52.6	30.4	60.9	150 G_s	0.0	1.0	0.0	0.0	1.0	0.063	53.9	−58.6	18.8	61.7	162 G_e	0.0	1.0	0.0	🟩	🟩	🟩
158	151	163	0.0	1.0	0.016	54.0	−59.3	22.9	63.6	158	0.148	1.0	0.0	58.0	−53.2	29.5	61.0	151	0.0	1.0	0.017	0.0	1.0	0.075	53.8	−58.4	17.7	61.1	163	0.0	1.0	0.017	🟩	🟩	🟩
160	152	164	0.0	1.0	0.033	54.0	−59.1	21.4	62.9	160	0.134	1.0	0.0	57.5	−53.8	28.6	61.0	152	0.0	1.0	0.033	0.0	1.0	0.088	53.8	−58.2	16.7	60.6	164	0.0	1.0	0.033	🟩	🟩	🟩
161	153	164	0.0	1.0	0.05	53.9	−58.9	19.9	62.2	161	0.117	1.0	0.0	57.0	−54.5	27.8	61.3	153	0.0	1.0	0.05	0.0	1.0	0.101	53.7	−57.9	15.6	60.1	164	0.0	1.0	0.05	🟩	🟩	🟩
162	154	165	0.0	1.0	0.066	53.8	−58.6	18.5	61.5	162	0.092	1.0	0.0	56.4	−55.6	27.2	62.0	154	0.0	1.0	0.067	0.0	1.0	0.113	53.7	−57.6	14.5	59.5	165	0.0	1.0	0.067	🟩	🟩	🟩
163	155	166	0.0	1.0	0.083	53.7	−58.3	17.0	60.8	163	0.067	1.0	0.0	55.8	−56.6	26.5	62.6	155	0.0	1.0	0.083	0.0	1.0	0.126	53.6	−57.3	13.5	59.0	166	0.0	1.0	0.083	🟩	🟩	🟩
164	156	167	0.0	1.0	0.1	53.7	−58.0	15.6	60.1	164	0.041	1.0	0.0	55.2	−57.7	25.7	63.3	156	0.0	1.0	0.1	0.0	1.0	0.14	53.6	−56.9	12.4	58.4	167	0.0	1.0	0.1	🟩	🟩	🟩
166	157	168	0.0	1.0	0.116	53.6	−57.6	14.2	59.3	166	0.016	1.0	0.0	54.6	−58.7	25.0	63.9	157	0.0	1.0	0.117	0.0	1.0	0.154	53.6	−56.5	11.4	57.7	168	0.0	1.0	0.117	🟩	🟩	🟩
167	158	169	0.0	1.0	0.133	53.6	−57.2	12.9	58.6	167	0.0	1.0	0.005	54.1	−59.4	24.0	64.2	158	0.0	1.0	0.133	0.0	1.0	0.168	53.7	−56.1	10.4	57.1	169	0.0	1.0	0.133	🟩	🟩	🟩
168	159	170	0.0	1.0	0.15	53.6	−56.7	11.6	57.9	168	0.0	1.0	0.018	54.1	−59.2	22.8	63.6	159	0.0	1.0	0.15	0.0	1.0	0.182	53.7	−55.6	9.4	56.5	170	0.0	1.0	0.15	🟩	🟩	🟩
169	160	171	0.0	1.0	0.166	53.6	−56.2	10.4	57.1	169	0.0	1.0	0.032	54.0	−59.1	21.5	63.0	160	0.0	1.0	0.167	0.0	1.0	0.196	53.7	−55.1	8.4	55.9	171	0.0	1.0	0.167	🟩	🟩	🟩
170	161	172	0.0	1.0	0.183	53.6	−55.6	9.2	56.4	170	0.0	1.0	0.046	53.9	−58.9	20.3	62.4	161	0.0	1.0	0.183	0.0	1.0	0.21	53.7	−54.6	7.4	55.2	172	0.0	1.0	0.183	🟩	🟩	🟩
171	162	173	0.0	1.0	0.2	53.7	−55.0	8.1	55.6	171	0.0	1.0	0.06	53.9	−58.7	19.1	61.8	162	0.0	1.0	0.2	0.0	1.0	0.224	53.7	−54.1	6.5	54.6	173	0.0	1.0	0.2	🟩	🟩	🟩
172	163	174	0.0	1.0	0.216	53.7	−54.4	7.0	54.9	172	0.0	1.0	0.074	53.8	−58.5	17.9	61.2	163	0.0	1.0	0.217	0.0	1.0	0.238	53.7	−53.6	5.6	54.0	174	0.0	1.0	0.217	🟩	🟩	🟩
173	164	175	0.0	1.0	0.233	53.7	−53.8	5.8	54.1	173	0.0	1.0	0.087	53.8	−58.2	16.7	60.6	164	0.0	1.0	0.233	0.0	1.0	0.253	53.8	−53.1	4.7	53.4	175	0.0	1.0	0.233	🟩	🟩	🟩
174	165	175	0.0	1.0	0.25	53.7	−53.2	4.8	53.4	174	0.0	1.0	0.101	53.7	−57.9	15.5	60.1	165	0.0	1.0	0.25	0.0	1.0	0.267	53.9	−52.7	3.8	53.0	175	0.0	1.0	0.25	🟩	🟩	🟩

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

RE670−72 1−1031130−L0

LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

1−1031130−F0

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{ddx361Mi}$ (x=LabCh)						$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)						$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)						$rgb^*_{dd361Mi}$			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
174	165	175	0.0	1.0	0.25	53.7	−53.2	4.8	53.4	174		0.0	1.0	0.101	53.7	−57.9	15.5	60.1	165		0.0	1.0	0.25	0.0	1.0	0.267	53.9	−52.7	3.8	53.0	175		0.0	1.0	0.25	■	■	■
175	166	176	0.0	1.0	0.266	53.8	−52.8	3.8	52.9	175		0.0	1.0	0.115	53.7	−57.6	14.4	59.5	166		0.0	1.0	0.267	0.0	1.0	0.282	53.9	−52.4	2.9	52.5	176		0.0	1.0	0.267	■	■	■
176	167	177	0.0	1.0	0.283	53.9	−52.4	2.8	52.5	176		0.0	1.0	0.129	53.6	−57.3	13.2	58.9	167		0.0	1.0	0.283	0.0	1.0	0.297	54.0	−52.0	2.1	52.1	177		0.0	1.0	0.283	■	■	■
177	168	178	0.0	1.0	0.3	54.0	−52.0	1.8	52.0	177		0.0	1.0	0.145	53.6	−56.8	12.1	58.2	168		0.0	1.0	0.3	0.0	1.0	0.311	54.1	−51.6	1.2	51.7	178		0.0	1.0	0.3	■	■	■
178	169	179	0.0	1.0	0.316	54.1	−51.5	0.9	51.5	178		0.0	1.0	0.16	53.7	−56.3	11.0	57.5	169		0.0	1.0	0.317	0.0	1.0	0.326	54.2	−51.2	0.4	51.3	179		0.0	1.0	0.317	■	■	■
180	170	180	0.0	1.0	0.333	54.2	−51.1	0.0	51.1	180		0.0	1.0	0.175	53.7	−55.8	9.9	56.8	170		0.0	1.0	0.333	0.0	1.0	0.34	54.2	−50.8	−0.3	50.9	180		0.0	1.0	0.333	■	■	■
181	171	181	0.0	1.0	0.35	54.3	−50.6	−0.9	50.6	181		0.0	1.0	0.191	53.7	−55.3	8.8	56.1	171		0.0	1.0	0.35	0.0	1.0	0.355	54.3	−50.4	−1.1	50.5	181		0.0	1.0	0.35	■	■	■
182	172	182	0.0	1.0	0.366	54.3	−50.1	−1.8	50.1	182		0.0	1.0	0.206	53.7	−54.8	7.7	55.4	172		0.0	1.0	0.367	0.0	1.0	0.37	54.4	−49.9	−1.9	50.1	182		0.0	1.0	0.367	■	■	■
183	173	183	0.0	1.0	0.383	54.5	−49.5	−2.9	49.6	183		0.0	1.0	0.222	53.7	−54.2	6.7	54.7	173		0.0	1.0	0.383	0.0	1.0	0.381	54.5	−49.6	−2.7	49.7	183		0.0	1.0	0.383	■	■	■
184	174	184	0.0	1.0	0.4	54.6	−48.9	−4.2	49.0	184		0.0	1.0	0.237	53.7	−53.6	5.6	54.0	174		0.0	1.0	0.4	0.0	1.0	0.391	54.6	−49.2	−3.5	49.4	184		0.0	1.0	0.4	■	■	■
186	175	185	0.0	1.0	0.416	54.7	−48.2	−5.5	48.5	186		0.0	1.0	0.253	53.8	−53.1	4.7	53.4	175		0.0	1.0	0.417	0.0	1.0	0.401	54.6	−48.8	−4.2	49.1	185		0.0	1.0	0.417	■	■	■
188	176	185	0.0	1.0	0.433	54.9	−47.4	−6.7	47.9	188		0.0	1.0	0.269	53.9	−52.7	3.7	52.9	176		0.0	1.0	0.433	0.0	1.0	0.411	54.7	−48.4	−5.0	48.7	185		0.0	1.0	0.433	■	■	■
189	177	186	0.0	1.0	0.45	55.0	−46.7	−7.9	47.4	189		0.0	1.0	0.285	53.9	−52.3	2.7	52.5	177		0.0	1.0	0.45	0.0	1.0	0.42	54.8	−48.0	−5.7	48.4	186		0.0	1.0	0.45	■	■	■
191	178	187	0.0	1.0	0.466	55.1	−45.9	−9.1	46.8	191		0.0	1.0	0.301	54.0	−51.9	1.8	52.0	178		0.0	1.0	0.467	0.0	1.0	0.43	54.9	−47.5	−6.4	48.1	187		0.0	1.0	0.467	■	■	■
192	179	188	0.0	1.0	0.483	55.3	−45.1	−10.2	46.2	192		0.0	1.0	0.317	54.1	−51.5	0.9	51.6	179		0.0	1.0	0.483	0.0	1.0	0.44	55.0	−47.1	−7.1	47.8	188		0.0	1.0	0.483	■	■	■
194	180	189	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194		0.0	1.0	0.333	54.2	−51.0	0.0	51.1	180		0.0	1.0	0.5	0.0	1.0	0.45	55.0	−46.7	−7.8	47.4	189		0.0	1.0	0.5	■	■	■
195	181	190	0.0	1.0	0.516	55.5	−43.7	−12.4	45.4	195		0.0	1.0	0.349	54.3	−50.6	−0.8	50.7	181		0.0	1.0	0.517	0.0	1.0	0.459	55.1	−46.2	−8.5	47.1	190		0.0	1.0	0.517	■	■	■
197	182	191	0.0	1.0	0.533	55.5	−43.0	−13.6	45.1	197		0.0	1.0	0.365	54.4	−50.1	−1.7	50.2	182		0.0	1.0	0.533	0.0	1.0	0.469	55.2	−45.7	−9.2	46.8	191		0.0	1.0	0.533	■	■	■
199	183	192	0.0	1.0	0.55	55.6	−42.4	−14.7	44.9	199		0.0	1.0	0.379	54.5	−49.6	−2.5	49.8	183		0.0	1.0	0.55	0.0	1.0	0.479	55.3	−45.3	−9.8	46.4	192		0.0	1.0	0.55	■	■	■
200	184	193	0.0	1.0	0.566	55.7	−41.7	−15.8	44.6	200		0.0	1.0	0.39	54.6	−49.2	−3.3	49.4	184		0.0	1.0	0.567	0.0	1.0	0.489	55.4	−44.8	−10.5	46.1	193		0.0	1.0	0.567	■	■	■
202	185	194	0.0	1.0	0.583	55.7	−41.0	−16.9	44.4	202		0.0	1.0	0.4	54.6	−48.8	−4.2	49.1	185		0.0	1.0	0.583	0.0	1.0	0.498	55.4	−44.3	−11.1	45.8	194		0.0	1.0	0.583	■	■	■
204	186	195	0.0	1.0	0.6	55.8	−40.3	−17.9	44.1	204		0.0	1.0	0.411	54.7	−48.4	−5.0	48.7	186		0.0	1.0	0.6	0.0	1.0	0.508	55.5	−43.9	−11.8	45.6	195		0.0	1.0	0.6	■	■	■
205	187	195	0.0	1.0	0.616	55.9	−39.5	−19.0	43.8	205		0.0	1.0	0.422	54.8	−47.9	−5.8	48.4	187		0.0	1.0	0.617	0.0	1.0	0.517	55.5	−43.6	−12.4	45.5	195		0.0	1.0	0.617	■	■	■
207	188	196	0.0	1.0	0.633	55.9	−38.8	−20.1	43.7	207		0.0	1.0	0.432	54.9	−47.4	−6.6	48.0	188		0.0	1.0	0.633	0.0	1.0	0.527	55.6	−43.2	−13.1	45.3	196		0.0	1.0	0.633	■	■	■
209	189	197	0.0	1.0	0.65	55.9	−38.1	−21.2	43.6	209		0.0	1.0	0.443	55.0	−47.0	−7.4	47.6	189		0.0	1.0	0.65	0.0	1.0	0.536	55.6	−42.9	−13.7	45.2	197		0.0	1.0	0.65	■	■	■
210	190	198	0.0	1.0	0.666	55.9	−37.4	−22.4	43.6	210		0.0	1.0	0.454	55.1	−46.5	−8.1	47.3	190		0.0	1.0	0.667	0.0	1.0	0.545	55.6	−42.5	−14.4	45.0	198		0.0	1.0	0.667	■	■	■
212	191	199	0.0	1.0	0.683	55.9	−36.6	−23.5	43.5	212		0.0	1.0	0.464	55.2	−46.0	−8.9	46.9	191		0.0	1.0	0.683	0.0	1.0	0.555	55.7	−42.2	−15.0	44.9	199		0.0	1.0	0.683	■	■	■
214	192	200	0.0	1.0	0.7	55.9	−35.8	−24.6	43.5	214		0.0	1.0	0.475	55.2	−45.4	−9.6	46.6	192		0.0	1.0	0.7	0.0	1.0	0.564	55.7	−41.8	−15.6	44.7	200		0.0	1.0	0.7	■	■	■
216	193	201	0.0	1.0	0.716	56.0	−35.0	−25.7	43.4	216		0.0	1.0	0.486	55.3	−44.9	−10.3	46.2	193		0.0	1.0	0.717	0.0	1.0	0.573	55.8	−41.4	−16.2	44.6	201		0.0	1.0	0.717	■	■	■
218	194	202	0.0	1.0	0.733	56.0	−34.1	−26.7	43.4	218		0.0	1.0	0.497	55.4	−44.4	−11.0	45.8	194		0.0	1.0	0.733	0.0	1.0	0.583	55.8	−41.0	−16.8	44.4	202		0.0	1.0	0.733	■	■	■
219	195	203	0.0	1.0	0.75	56.0	−33.2	−27.7	43.3	219		0.0	1.0	0.507	55.5	−44.0	−11.7	45.6	195		0.0	1.0	0.75	0.0	1.0	0.592	55.8	−40.6	−17.4	44.3	203		0.0	1.0	0.75	■	■	■
221	196	204	0.0	1.0	0.766	55.8	−32.9	−28.8	43.8	221		0.0	1.0	0.517	55.5	−43.6	−12.4	45.5	196		0.0	1.0	0.767	0.0	1.0	0.602	55.9	−40.2	−18.0	44.1	204		0.0	1.0	0.767	■	■	■
222	197	205	0.0	1.0	0.783	55.5	−32.6	−29.9	44.3	222		0.0	1.0	0.528	55.6	−43.2	−13.1	45.3	197		0.0	1.0	0.783	0.0	1.0	0.611	55.9	−39.7	−18.6	44.0	205		0.0	1.0	0.783	■	■	■
223	198	206	0.0	1.0	0.8	55.3	−32.2	−31.0	44.7	223		0.0	1.0	0.538	55.6	−42.8	−13.8	45.1	198		0.0	1.0	0.8	0.0	1.0	0.62	55.9	−39.3	−19.1	43.8	206		0.0	1.0	0.8	■	■	■
225	199	206	0.0	1.0	0.816	55.1	−31.8	−32.1	45.2	225		0.0	1.0	0.548	55.6	−42.4	−14.5	45.0	199		0.0	1.0	0.817	0.0	1.0	0.629	56.0	−38.9	−19.7	43.8	206		0.0	1.0	0.817	■	■	■
226	200	207	0.0	1.0	0.833	54.9	−31.4	−33.2	45.7	226		0.0	1.0	0.558	55.7	−42.0	−15.2	44.8	200		0.0	1.0	0.833	0.0	1.0	0.638	56.0	−38.6	−20.3	43.7	207		0.0	1.0	0.833	■	■	■
228	201	208	0.0	1.0	0.85	54.7	−30.9	−34.3	46.2	228		0.0	1.0	0.569	55.7	−41.6	−15.9	44.6	201		0.0	1.0	0.85	0.0	1.0	0.646	56.0	−38.2	−20.9	43.7	208		0.0	1.0	0.85	■	■	■
229	202	209	0.0	1.0	0.866	54.5	−30.4	−35.4	46.7	229		0.0	1.0	0.579	55.8	−41.1	−16.6	44.5	202		0.0	1.0	0.867	0.0	1.0	0.655	56.0	−37.8	−21.5	43.7	209		0.0	1.0	0.867	■	■	■
231	203	210	0.0	1.0	0.883	54.2	−29.7	−36.7	47.3	231		0.0	1.0	0.589	55.8	−40.7	−17.2	44.3	203		0.0	1.0	0.883	0.0	1.0	0.663	56.0	−37.5	−22.1	43.6	210		0.0	1.0	0.883	■	■	■
232	204	211	0.0	1.0	0.9	53.9	−28.9	−38.3	48.0	232		0.0	1.0	0.599	55.9	−40.2	−17.9	44.2	204		0.0	1.0	0.9	0.0	1.0	0.672	56.0	−37.1	−22.7	43.6	211		0.0	1.0	0.9	■	■	■
234	205	212	0.0	1.0	0.916	53.6	−28.1	−39.8	48.7	234		0.0	1.0	0.61	55.9	−39.8	−18.5	44.0	205		0.0	1.0	0.917	0.0	1.0	0.681	56.0	−36.7	−23.3	43.6	212		0.0	1.0	0.917	■	■	■
236	206	213	0.0	1.0	0.933	53.3	−27.2	−41.2	49.4	236		0.0	1.0	0.62	55.9	−39.3	−19.1	43.8	206		0.0	1.0	0.933	0.0	1.0	0.689	56.0	−36.3	−23.8	43.6	213		0.0	1.0	0.933	■	■	■
238	207	214	0.0	1.0	0.95	53.0	−26.2	−42.7	50.1	238		0.0	1.0	0.63	56.0	−38.9	−19.8	43.8	207		0.0	1.0	0.95	0.0	1.0	0.698	56.0	−35.9	−24.4	43.5	214		0.0	1.0	0.95	■	■	■
240	208	215	0.0	1.0	0.966	52.7	−25.1	−44.2	50.8	240		0.0	1.0	0.639	56.0	−38.5	−20.4	43.7	208		0.0	1.0	0.967	0.0	1.0	0.706	56.0	−35.5	−24.9	43.5	215		0.0	1.0	0.967	■	■	■
242	209	216	0.0	1.0	0.983	52.4	−24.0	−45.6	51.5	242		0.0	1.0	0.649	56.0	−38.1	−21.1	43.7	209		0.0	1.0	0.983	0.0	1.0	0.715	56.0	−35.0	−25.5	43.5	216		0.0	1.0	0.983	■	■	■
244	210	216	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244	C_d	0.0	1.0	0.658	56.0	−37.7	−21.7	43.7	210	C_s	0.0	1.0	1.0	0.0	1.0	0.723	56.0	−34.6	−26.0	43.4	216	C_e	0.0	1.0	1.0	■	■	■

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

RE670−72 1−1031230−L0 LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

1−1031230−F0

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	*rgb**dd361M			*LAB**ddx361Mi (x=LabCh)						*rgb**ds361Mi			*LAB**dsx361Mi (x=LabCh)						*rgb**dd361Mi			*rgb**de361Mi			*LAB**dex361Mi (x=LabCh)						*rgb**dd361Mi			*rgb**$_{dd}$	*rgb**$_{ds}$	*rgb**$_{de}$
244	210	216	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244	C_d	0.0	1.0	0.658	56.0	−37.7	−21.7	43.7	210	C_s	0.0	1.0	1.0	0.0	1.0	0.723	56.0	−34.6	−26.0	43.4	216	C_e	0.0	1.0	1.0	🟦	🟦	🟦
244	211	217	0.0	0.983	1.0	52.0	−22.4	−47.5	52.5	244		0.0	1.0	0.667	56.0	−37.3	−22.4	43.6	211		0.0	0.983	1.0	0.0	1.0	0.732	56.0	−34.2	−26.6	43.4	217		0.0	0.983	1.0	🟦	🟦	🟦
245	212	218	0.0	0.966	1.0	51.9	−22.1	−48.0	52.8	245		0.0	1.0	0.677	56.0	−36.9	−23.0	43.6	212		0.0	0.967	1.0	0.0	1.0	0.74	56.0	−33.7	−27.1	43.4	218		0.0	0.967	1.0	🟦	🟦	🟦
245	213	219	0.0	0.95	1.0	51.8	−21.7	−48.4	53.1	245		0.0	1.0	0.686	56.0	−36.4	−23.6	43.6	213		0.0	0.95	1.0	0.0	1.0	0.749	56.0	−33.2	−27.6	43.4	219		0.0	0.95	1.0	🟦	🟦	🟦
246	214	220	0.0	0.933	1.0	51.7	−21.4	−48.9	53.4	246		0.0	1.0	0.695	56.0	−36.0	−24.2	43.5	214		0.0	0.933	1.0	0.0	1.0	0.76	55.9	−33.0	−28.3	43.6	220		0.0	0.933	1.0	🟦	🟦	🟦
246	215	221	0.0	0.916	1.0	51.6	−21.0	−49.4	53.7	246		0.0	1.0	0.705	56.0	−35.5	−24.9	43.5	215		0.0	0.917	1.0	0.0	1.0	0.771	55.7	−32.8	−29.1	44.0	221		0.0	0.917	1.0	🟦	🟦	🟦
247	216	222	0.0	0.9	1.0	51.5	−20.6	−49.9	54.0	247		0.0	1.0	0.714	56.0	−35.1	−25.5	43.5	216		0.0	0.9	1.0	0.0	1.0	0.782	55.6	−32.6	−29.8	44.3	222		0.0	0.9	1.0	🟦	🟦	🟦
248	217	223	0.0	0.883	1.0	51.4	−20.2	−50.4	54.3	248		0.0	1.0	0.724	56.0	−34.6	−26.0	43.4	217		0.0	0.883	1.0	0.0	1.0	0.793	55.5	−32.3	−30.5	44.6	223		0.0	0.883	1.0	🟦	🟦	🟦
248	218	224	0.0	0.866	1.0	51.4	−19.8	−50.9	54.6	248		0.0	1.0	0.733	56.0	−34.1	−26.6	43.4	218		0.0	0.867	1.0	0.0	1.0	0.804	55.3	−32.1	−31.3	44.9	224		0.0	0.867	1.0	🟦	🟦	🟦
249	219	225	0.0	0.85	1.0	51.4	−19.3	−51.4	54.9	249		0.0	1.0	0.742	56.0	−33.6	−27.2	43.4	219		0.0	0.85	1.0	0.0	1.0	0.815	55.2	−31.8	−32.0	45.2	225		0.0	0.85	1.0	🟦	🟦	🟦
249	220	226	0.0	0.833	1.0	51.4	−18.9	−51.9	55.3	249		0.0	1.0	0.752	56.0	−33.2	−27.8	43.4	220		0.0	0.833	1.0	0.0	1.0	0.827	55.0	−31.5	−32.7	45.6	226		0.0	0.833	1.0	🟦	🟦	🟦
250	221	227	0.0	0.816	1.0	51.4	−18.4	−52.4	55.6	250		0.0	1.0	0.764	55.8	−32.9	−28.6	43.8	221		0.0	0.817	1.0	0.0	1.0	0.838	54.9	−31.2	−33.5	45.9	227		0.0	0.817	1.0	🟦	🟦	🟦
251	222	227	0.0	0.8	1.0	51.4	−17.9	−53.0	55.9	251		0.0	1.0	0.777	55.7	−32.7	−29.4	44.1	222		0.0	0.8	1.0	0.0	1.0	0.849	54.7	−30.9	−34.2	46.2	227		0.0	0.8	1.0	🟦	🟦	🟦
251	223	228	0.0	0.783	1.0	51.5	−17.4	−53.5	56.3	251		0.0	1.0	0.789	55.5	−32.4	−30.2	44.5	223		0.0	0.783	1.0	0.0	1.0	0.86	54.6	−30.5	−34.9	46.5	228		0.0	0.783	1.0	🟦	🟦	🟦
252	224	229	0.0	0.766	1.0	51.5	−16.9	−54.0	56.6	252		0.0	1.0	0.801	55.4	−32.1	−31.0	44.8	224		0.0	0.767	1.0	0.0	1.0	0.871	54.5	−30.2	−35.7	46.9	229		0.0	0.767	1.0	🟦	🟦	🟦
253	225	230	0.0	0.75	1.0	51.5	−16.4	−54.5	56.9	253		0.0	1.0	0.813	55.2	−31.8	−31.8	45.2	225		0.0	0.75	1.0	0.0	1.0	0.88	54.3	−29.8	−36.4	47.2	230		0.0	0.75	1.0	🟦	🟦	🟦
254	226	231	0.0	0.733	1.0	51.2	−15.6	−54.7	56.9	254		0.0	1.0	0.825	55.0	−31.5	−32.6	45.5	226		0.0	0.733	1.0	0.0	1.0	0.888	54.2	−29.4	−37.1	47.5	231		0.0	0.733	1.0	🟦	🟦	🟦
254	227	232	0.0	0.716	1.0	50.9	−14.8	−54.9	56.9	254		0.0	1.0	0.837	54.9	−31.2	−33.5	45.9	227		0.0	0.717	1.0	0.0	1.0	0.897	54.0	−29.1	−37.9	47.9	232		0.0	0.717	1.0	🟦	🟦	🟦
255	228	233	0.0	0.7	1.0	50.6	−14.1	−55.1	56.8	255		0.0	1.0	0.85	54.7	−30.8	−34.3	46.2	228		0.0	0.7	1.0	0.0	1.0	0.905	53.9	−28.6	−38.6	48.2	233		0.0	0.7	1.0	🟦	🟦	🟦
256	229	234	0.0	0.683	1.0	50.3	−13.3	−55.2	56.8	256		0.0	1.0	0.862	54.6	−30.5	−35.1	46.6	229		0.0	0.683	1.0	0.0	1.0	0.913	53.7	−28.2	−39.4	48.6	234		0.0	0.683	1.0	🟦	🟦	🟦
257	230	235	0.0	0.666	1.0	50.0	−12.5	−55.4	56.8	257		0.0	1.0	0.874	54.4	−30.1	−35.9	46.9	230		0.0	0.667	1.0	0.0	1.0	0.921	53.6	−27.8	−40.1	48.9	235		0.0	0.667	1.0	🟦	🟦	🟦
258	231	236	0.0	0.65	1.0	49.8	−11.7	−55.5	56.7	258		0.0	1.0	0.883	54.3	−29.7	−36.7	47.3	231		0.0	0.65	1.0	0.0	1.0	0.929	53.4	−27.3	−40.8	49.3	236		0.0	0.65	1.0	🟦	🟦	🟦
258	232	237	0.0	0.633	1.0	49.5	−10.9	−55.6	56.7	258		0.0	1.0	0.892	54.1	−29.3	−37.5	47.7	232		0.0	0.633	1.0	0.0	1.0	0.937	53.3	−26.9	−41.5	49.6	237		0.0	0.633	1.0	🟦	🟦	🟦
259	233	237	0.0	0.616	1.0	49.1	−10.2	−55.6	56.6	259		0.0	1.0	0.901	53.9	−28.8	−38.3	48.1	233		0.0	0.617	1.0	0.0	1.0	0.945	53.1	−26.4	−42.3	50.0	237		0.0	0.617	1.0	🟦	🟦	🟦
260	234	238	0.0	0.6	1.0	48.5	−9.4	−55.5	56.3	260		0.0	1.0	0.91	53.8	−28.4	−39.1	48.5	234		0.0	0.6	1.0	0.0	1.0	0.953	53.0	−25.9	−43.0	50.3	238		0.0	0.6	1.0	🟦	🟦	🟦
261	235	239	0.0	0.583	1.0	48.0	−8.7	−55.4	56.1	261		0.0	1.0	0.919	53.6	−27.9	−39.9	48.8	235		0.0	0.583	1.0	0.0	1.0	0.962	52.8	−25.4	−43.7	50.6	239		0.0	0.583	1.0	🟦	🟦	🟦
261	236	240	0.0	0.566	1.0	47.5	−7.9	−55.3	55.8	261		0.0	1.0	0.928	53.4	−27.4	−40.7	49.2	236		0.0	0.567	1.0	0.0	1.0	0.97	52.7	−24.8	−44.4	51.0	240		0.0	0.567	1.0	🟦	🟦	🟦
262	237	241	0.0	0.55	1.0	46.9	−7.2	−55.1	55.6	262		0.0	1.0	0.937	53.3	−26.9	−41.5	49.6	237		0.0	0.55	1.0	0.0	1.0	0.978	52.5	−24.3	−45.1	51.3	241		0.0	0.55	1.0	🟦	🟦	🟦
263	238	242	0.0	0.533	1.0	46.4	−6.5	−55.0	55.4	263		0.0	1.0	0.946	53.1	−26.4	−42.3	50.0	238		0.0	0.533	1.0	0.0	1.0	0.986	52.4	−23.7	−45.8	51.7	242		0.0	0.533	1.0	🟦	🟦	🟦
263	239	243	0.0	0.516	1.0	45.9	−5.7	−54.8	55.1	263		0.0	1.0	0.954	53.0	−25.8	−43.1	50.3	239		0.0	0.517	1.0	0.0	1.0	0.994	52.2	−23.2	−46.4	52.0	243		0.0	0.517	1.0	🟦	🟦	🟦
264	240	244	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264		0.0	1.0	0.963	52.8	−25.3	−43.8	50.7	240		0.0	0.5	1.0	0.0	0.993	1.0	52.1	−22.6	−47.2	52.4	244		0.0	0.5	1.0	🟦	🟦	🟦
265	241	245	0.0	0.483	1.0	44.7	−4.2	−54.5	54.7	265		0.0	1.0	0.972	52.6	−24.7	−44.6	51.1	241		0.0	0.483	1.0	0.0	0.966	1.0	51.9	−22.0	−47.9	52.9	245		0.0	0.483	1.0	🟦	🟦	🟦
266	242	246	0.0	0.466	1.0	44.0	−3.3	−54.4	54.5	266		0.0	1.0	0.981	52.5	−24.1	−45.4	51.5	242		0.0	0.467	1.0	0.0	0.939	1.0	51.8	−21.4	−48.7	53.4	246		0.0	0.467	1.0	🟦	🟦	🟦
267	243	247	0.0	0.45	1.0	43.3	−2.5	−54.3	54.3	267		0.0	1.0	0.99	52.3	−23.4	−46.1	51.9	243		0.0	0.45	1.0	0.0	0.913	1.0	51.6	−20.8	−49.5	53.8	247		0.0	0.45	1.0	🟦	🟦	🟦
268	244	248	0.0	0.433	1.0	42.6	−1.6	−54.1	54.2	268		0.0	1.0	0.999	52.1	−22.8	−46.9	52.2	244		0.0	0.433	1.0	0.0	0.886	1.0	51.5	−20.2	−50.2	54.3	248		0.0	0.433	1.0	🟦	🟦	🟦
269	245	248	0.0	0.416	1.0	41.9	−0.8	−54.0	54.0	269		0.0	0.974	1.0	52.0	−22.2	−47.7	52.7	245		0.0	0.417	1.0	0.0	0.861	1.0	51.4	−19.6	−51.0	54.8	248		0.0	0.417	1.0	🟦	🟦	🟦
269	246	249	0.0	0.4	1.0	41.2	0.0	−53.8	53.8	269		0.0	0.945	1.0	51.8	−21.6	−48.6	53.3	246		0.0	0.4	1.0	0.0	0.838	1.0	51.5	−18.9	−51.7	55.2	249		0.0	0.4	1.0	🟦	🟦	🟦
270	247	250	0.0	0.383	1.0	40.5	0.8	−53.6	53.6	270		0.0	0.915	1.0	51.6	−20.9	−49.4	53.8	247		0.0	0.383	1.0	0.0	0.814	1.0	51.5	−18.3	−52.5	55.7	250		0.0	0.383	1.0	🟦	🟦	🟦
271	248	251	0.0	0.366	1.0	39.9	1.7	−53.4	53.5	271		0.0	0.886	1.0	51.5	−20.2	−50.2	54.3	248		0.0	0.367	1.0	0.0	0.791	1.0	51.5	−17.6	−53.2	56.2	251		0.0	0.367	1.0	🟦	🟦	🟦
272	249	252	0.0	0.35	1.0	39.3	2.6	−53.2	53.3	272		0.0	0.859	1.0	51.4	−19.5	−51.1	54.8	249		0.0	0.35	1.0	0.0	0.767	1.0	51.5	−16.9	−53.9	56.6	252		0.0	0.35	1.0	🟦	🟦	🟦
273	250	253	0.0	0.333	1.0	38.7	3.5	−53.0	53.1	273		0.0	0.833	1.0	51.5	−18.8	−51.9	55.3	250		0.0	0.333	1.0	0.0	0.745	1.0	51.5	−16.1	−54.5	57.0	253		0.0	0.333	1.0	🟦	🟦	🟦
274	251	254	0.0	0.316	1.0	38.1	4.5	−52.7	52.9	274		0.0	0.808	1.0	51.5	−18.1	−52.7	55.8	251		0.0	0.317	1.0	0.0	0.726	1.0	51.1	−15.2	−54.7	56.9	254		0.0	0.317	1.0	🟦	🟦	🟦
275	252	255	0.0	0.3	1.0	37.6	5.4	−52.4	52.7	275		0.0	0.782	1.0	51.5	−17.3	−53.5	56.3	252		0.0	0.3	1.0	0.0	0.707	1.0	50.8	−14.3	−54.9	56.9	255		0.0	0.3	1.0	🟦	🟦	🟦
276	253	256	0.0	0.283	1.0	37.0	6.3	−52.1	52.5	276		0.0	0.756	1.0	51.5	−16.5	−54.3	56.8	253		0.0	0.283	1.0	0.0	0.688	1.0	50.5	−13.4	−55.1	56.9	256		0.0	0.283	1.0	🟦	🟦	🟦
277	254	257	0.0	0.266	1.0	36.4	7.2	−51.8	52.3	277		0.0	0.734	1.0	51.3	−15.6	−54.6	56.9	254		0.0	0.267	1.0	0.0	0.669	1.0	50.1	−12.6	−55.3	56.8	257		0.0	0.267	1.0	🟦	🟦	🟦
278	255	258	0.0	0.25	1.0	35.8	8.1	−51.5	52.1	278		0.0	0.713	1.0	50.9	−14.6	−54.9	56.9	255		0.0	0.25	1.0	0.0	0.65	1.0	49.8	−11.7	−55.5	56.8	258		0.0	0.25	1.0	🟦	🟦	🟦

RE670−72 1−1031330−L0 LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyn6*, D65, page 14/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 15/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{ddx361Mi}$ (x=LabCh)					$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
278	255	258	0.0	0.25	1.0	35.8	8.1	−51.5	52.1	278	0.0	0.713	1.0	50.9	−14.6	−54.9	56.9	255	0.0	0.25	1.0	0.0	0.65	1.0	49.8	−11.7	−55.5	56.8	258	0.0	0.25	1.0	■	■	■
280	256	258	0.0	0.233	1.0	35.6	9.4	−51.1	52.0	280	0.0	0.693	1.0	50.5	−13.7	−55.1	56.9	256	0.0	0.233	1.0	0.0	0.631	1.0	49.5	−10.8	−55.6	56.8	258	0.0	0.233	1.0	■	■	■
281	257	259	0.0	0.216	1.0	35.5	10.6	−50.7	51.9	281	0.0	0.672	1.0	50.2	−12.7	−55.3	56.8	257	0.0	0.217	1.0	0.0	0.611	1.0	48.9	−9.8	−55.6	56.5	259	0.0	0.217	1.0	■	■	■
283	258	260	0.0	0.2	1.0	35.3	11.9	−50.3	51.7	283	0.0	0.651	1.0	49.8	−11.7	−55.4	56.8	258	0.0	0.2	1.0	0.0	0.59	1.0	48.2	−8.9	−55.4	56.2	260	0.0	0.2	1.0	■	■	■
284	259	261	0.0	0.183	1.0	35.1	13.1	−49.9	51.6	284	0.0	0.63	1.0	49.5	−10.7	−55.6	56.8	259	0.0	0.183	1.0	0.0	0.569	1.0	47.6	−8.0	−55.2	55.9	261	0.0	0.183	1.0	■	■	■
286	260	262	0.0	0.166	1.0	35.0	14.3	−49.4	51.5	286	0.0	0.608	1.0	48.8	−9.7	−55.5	56.5	260	0.0	0.167	1.0	0.0	0.548	1.0	46.9	−7.1	−55.1	55.6	262	0.0	0.167	1.0	■	■	■
287	261	263	0.0	0.15	1.0	34.8	15.5	−48.9	51.3	287	0.0	0.585	1.0	48.1	−8.7	−55.4	56.2	261	0.0	0.15	1.0	0.0	0.527	1.0	46.3	−6.1	−54.9	55.3	263	0.0	0.15	1.0	■	■	■
289	262	264	0.0	0.133	1.0	34.6	16.7	−48.4	51.2	289	0.0	0.562	1.0	47.4	−7.7	−55.2	55.8	262	0.0	0.133	1.0	0.0	0.506	1.0	45.6	−5.2	−54.6	55.0	264	0.0	0.133	1.0	■	■	■
290	263	265	0.0	0.116	1.0	34.4	17.9	−47.9	51.1	290	0.0	0.539	1.0	46.6	−6.7	−55.0	55.5	263	0.0	0.117	1.0	0.0	0.488	1.0	44.9	−4.3	−54.5	54.8	265	0.0	0.117	1.0	■	■	■
291	264	266	0.0	0.1	1.0	34.1	19.0	−47.5	51.2	291	0.0	0.516	1.0	45.9	−5.7	−54.8	55.2	264	0.0	0.1	1.0	0.0	0.471	1.0	44.2	−3.5	−54.4	54.6	266	0.0	0.1	1.0	■	■	■
293	265	267	0.0	0.083	1.0	33.8	20.1	−47.1	51.2	293	0.0	0.495	1.0	45.2	−4.7	−54.5	54.9	265	0.0	0.083	1.0	0.0	0.453	1.0	43.5	−2.6	−54.3	54.4	267	0.0	0.083	1.0	■	■	■
294	266	268	0.0	0.066	1.0	33.5	21.2	−46.6	51.2	294	0.0	0.476	1.0	44.4	−3.7	−54.4	54.7	266	0.0	0.067	1.0	0.0	0.436	1.0	42.8	−1.7	−54.1	54.2	268	0.0	0.067	1.0	■	■	■
295	267	269	0.0	0.049	1.0	33.2	22.4	−46.1	51.3	295	0.0	0.457	1.0	43.6	−2.8	−54.3	54.5	267	0.0	0.05	1.0	0.0	0.419	1.0	42.1	−0.8	−54.0	54.1	269	0.0	0.05	1.0	■	■	■
297	268	269	0.0	0.033	1.0	32.9	23.5	−45.6	51.3	297	0.0	0.438	1.0	42.8	−1.8	−54.1	54.3	268	0.0	0.033	1.0	0.0	0.402	1.0	41.3	0.0	−53.8	53.9	269	0.0	0.033	1.0	■	■	■
298	269	270	0.0	0.016	1.0	32.6	24.5	−45.1	51.3	298	0.0	0.419	1.0	42.1	−0.8	−54.0	54.1	269	0.0	0.017	1.0	0.0	0.384	1.0	40.6	0.8	−53.6	53.7	270	0.0	0.017	1.0	■	■	■
299	270	271	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299 B_d	0.0	0.4	1.0	41.3	0.0	−53.8	53.9	270 B_s	0.0	0.0	1.0	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271 B_e	0.0	0.0	1.0	■	■	■
300	271	272	0.016	0.0	1.0	32.2	26.5	−44.3	51.6	300	0.0	0.381	1.0	40.5	0.9	−53.6	53.7	271	0.017	0.0	1.0	0.0	0.353	1.0	39.5	2.5	−53.2	53.3	272	0.017	0.0	1.0	■	■	■
301	272	273	0.033	0.0	1.0	32.1	27.3	−44.0	51.8	301	0.0	0.364	1.0	39.9	1.9	−53.3	53.5	272	0.033	0.0	1.0	0.0	0.337	1.0	38.9	3.4	−53.0	53.2	273	0.033	0.0	1.0	■	■	■
302	273	274	0.05	0.0	1.0	31.9	28.2	−43.7	52.0	302	0.0	0.348	1.0	39.3	2.8	−53.1	53.3	273	0.05	0.0	1.0	0.0	0.322	1.0	38.4	4.2	−52.7	53.0	274	0.05	0.0	1.0	■	■	■
303	274	275	0.066	0.0	1.0	31.8	29.0	−43.4	52.2	303	0.0	0.331	1.0	38.7	3.7	−52.9	53.1	274	0.067	0.0	1.0	0.0	0.306	1.0	37.8	5.1	−52.5	52.8	275	0.067	0.0	1.0	■	■	■
304	275	276	0.083	0.0	1.0	31.7	29.9	−43.1	52.4	304	0.0	0.315	1.0	38.1	4.6	−52.6	52.9	275	0.083	0.0	1.0	0.0	0.291	1.0	37.3	5.9	−52.2	52.6	276	0.083	0.0	1.0	■	■	■
305	276	277	0.1	0.0	1.0	31.6	30.7	−42.7	52.6	305	0.0	0.299	1.0	37.6	5.5	−52.3	52.7	276	0.1	0.0	1.0	0.0	0.276	1.0	36.7	6.8	−51.9	52.5	277	0.1	0.0	1.0	■	■	■
306	277	278	0.116	0.0	1.0	31.4	31.5	−42.4	52.8	306	0.0	0.282	1.0	37.0	6.4	−52.1	52.5	277	0.117	0.0	1.0	0.0	0.26	1.0	36.2	7.6	−51.6	52.3	278	0.117	0.0	1.0	■	■	■
307	278	279	0.133	0.0	1.0	31.3	32.5	−42.0	53.1	307	0.0	0.266	1.0	36.4	7.3	−51.8	52.4	278	0.133	0.0	1.0	0.0	0.246	1.0	35.8	8.4	−51.4	52.1	279	0.133	0.0	1.0	■	■	■
308	279	280	0.15	0.0	1.0	31.3	33.5	−41.5	53.4	308	0.0	0.25	1.0	35.8	8.2	−51.4	52.2	279	0.15	0.0	1.0	0.0	0.235	1.0	35.7	9.3	−51.1	52.1	280	0.15	0.0	1.0	■	■	■
310	280	281	0.166	0.0	1.0	31.2	34.6	−41.1	53.7	310	0.0	0.238	1.0	35.7	9.0	−51.2	52.1	280	0.167	0.0	1.0	0.0	0.224	1.0	35.6	10.1	−50.9	52.0	281	0.167	0.0	1.0	■	■	■
311	281	282	0.183	0.0	1.0	31.1	35.6	−40.6	54.0	311	0.0	0.227	1.0	35.6	9.9	−50.9	52.0	281	0.183	0.0	1.0	0.0	0.213	1.0	35.5	10.9	−50.6	51.9	282	0.183	0.0	1.0	■	■	■
312	282	283	0.2	0.0	1.0	31.1	36.6	−40.0	54.3	312	0.0	0.215	1.0	35.5	10.8	−50.7	51.9	282	0.2	0.0	1.0	0.0	0.202	1.0	35.4	11.7	−50.3	51.8	283	0.2	0.0	1.0	■	■	■
313	283	284	0.216	0.0	1.0	31.0	37.6	−39.5	54.6	313	0.0	0.204	1.0	35.4	11.7	−50.4	51.8	283	0.217	0.0	1.0	0.0	0.191	1.0	35.3	12.6	−50.1	51.7	284	0.217	0.0	1.0	■	■	■
314	284	285	0.233	0.0	1.0	30.9	38.6	−38.9	54.9	314	0.0	0.192	1.0	35.3	12.5	−50.1	51.7	284	0.233	0.0	1.0	0.0	0.181	1.0	35.1	13.4	−49.8	51.6	285	0.233	0.0	1.0	■	■	■
315	285	285	0.25	0.0	1.0	30.9	39.6	−38.3	55.1	315	0.0	0.181	1.0	35.1	13.4	−49.8	51.6	285	0.25	0.0	1.0	0.0	0.17	1.0	35.0	14.2	−49.4	51.5	285	0.25	0.0	1.0	■	■	■
316	286	286	0.266	0.0	1.0	31.2	40.4	−37.9	55.4	316	0.0	0.169	1.0	35.0	14.2	−49.4	51.5	286	0.267	0.0	1.0	0.0	0.159	1.0	34.9	15.0	−49.1	51.4	286	0.267	0.0	1.0	■	■	■
317	287	287	0.283	0.0	1.0	31.4	41.2	−37.5	55.7	317	0.0	0.157	1.0	34.9	15.0	−49.1	51.4	287	0.283	0.0	1.0	0.0	0.148	1.0	34.8	15.7	−48.8	51.3	287	0.283	0.0	1.0	■	■	■
318	288	288	0.3	0.0	1.0	31.7	41.9	−37.1	56.0	318	0.0	0.146	1.0	34.8	15.9	−48.7	51.3	288	0.3	0.0	1.0	0.0	0.137	1.0	34.7	16.5	−48.4	51.3	288	0.3	0.0	1.0	■	■	■
319	289	289	0.316	0.0	1.0	32.0	42.7	−36.7	56.3	319	0.0	0.134	1.0	34.7	16.7	−48.4	51.2	289	0.317	0.0	1.0	0.0	0.126	1.0	34.6	17.3	−48.1	51.2	289	0.317	0.0	1.0	■	■	■
320	290	290	0.333	0.0	1.0	32.3	43.4	−36.3	56.6	320	0.0	0.123	1.0	34.5	17.5	−48.0	51.2	290	0.333	0.0	1.0	0.0	0.114	1.0	34.4	18.1	−47.8	51.2	290	0.333	0.0	1.0	■	■	■
320	291	291	0.35	0.0	1.0	32.6	44.2	−35.9	56.9	320	0.0	0.11	1.0	34.3	18.3	−47.7	51.2	291	0.35	0.0	1.0	0.0	0.102	1.0	34.2	18.9	−47.5	51.2	291	0.35	0.0	1.0	■	■	■
321	292	292	0.366	0.0	1.0	32.9	44.9	−35.4	57.2	321	0.0	0.098	1.0	34.1	19.2	−47.4	51.2	292	0.367	0.0	1.0	0.0	0.091	1.0	34.0	19.7	−47.2	51.2	292	0.367	0.0	1.0	■	■	■
322	293	293	0.383	0.0	1.0	33.2	45.6	−35.0	57.5	322	0.0	0.086	1.0	33.9	20.0	−47.1	51.2	293	0.383	0.0	1.0	0.0	0.079	1.0	33.8	20.5	−46.9	51.3	293	0.383	0.0	1.0	■	■	■
323	294	294	0.4	0.0	1.0	33.5	46.2	−34.7	57.8	323	0.0	0.073	1.0	33.7	20.9	−46.7	51.3	294	0.4	0.0	1.0	0.0	0.067	1.0	33.6	21.3	−46.6	51.3	294	0.4	0.0	1.0	■	■	■
323	295	295	0.416	0.0	1.0	33.8	46.9	−34.4	58.2	323	0.0	0.061	1.0	33.4	21.7	−46.4	51.3	295	0.417	0.0	1.0	0.0	0.056	1.0	33.4	22.0	−46.2	51.3	295	0.417	0.0	1.0	■	■	■
324	296	296	0.433	0.0	1.0	34.1	47.5	−34.1	58.5	324	0.0	0.049	1.0	33.2	22.5	−46.0	51.3	296	0.433	0.0	1.0	0.0	0.044	1.0	33.1	22.8	−45.9	51.3	296	0.433	0.0	1.0	■	■	■
324	297	297	0.45	0.0	1.0	34.4	48.2	−33.7	58.8	324	0.0	0.036	1.0	33.0	23.3	−45.7	51.3	297	0.45	0.0	1.0	0.0	0.032	1.0	32.9	23.6	−45.5	51.4	297	0.45	0.0	1.0	■	■	■
325	298	298	0.466	0.0	1.0	34.8	48.8	−33.4	59.1	325	0.0	0.024	1.0	32.8	24.1	−45.3	51.4	298	0.467	0.0	1.0	0.0	0.021	1.0	32.7	24.3	−45.1	51.4	298	0.467	0.0	1.0	■	■	■
326	299	299	0.483	0.0	1.0	35.1	49.4	−33.0	59.5	326	0.0	0.012	1.0	32.6	24.9	−44.9	51.4	299	0.483	0.0	1.0	0.0	0.009	1.0	32.5	25.1	−44.8	51.4	299	0.483	0.0	1.0	■	■	■
326	300	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326	0.001	0.0	1.0	32.4	25.7	−44.4	51.4	300	0.5	0.0	1.0	0.004	0.0	1.0	32.3	25.9	−44.4	51.5	300	0.5	0.0	1.0	■	■	■

RE670−72 1−1031430−L0 LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyn6*, D65, page 15/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

1−1031430−F0

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

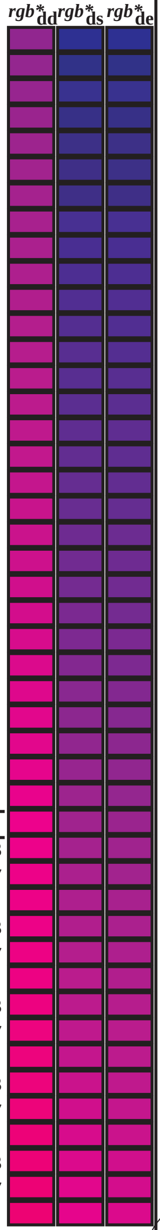
TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 16/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{ddx361Mi}$ (x=LabCh)						$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)						$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)						$rgb^*_{dd361Mi}$		
326	300	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326		0.001	0.0	1.0	32.4	25.7	−44.4	51.4	300		0.5	0.0	1.0	0.004	0.0	1.0	32.3	25.9	−44.4	51.5	300		0.5	0.0	1.0
327	301	301	0.516	0.0	1.0	35.8	50.7	−32.2	60.1	327		0.018	0.0	1.0	32.2	26.6	−44.2	51.7	301		0.517	0.0	1.0	0.02	0.0	1.0	32.2	26.7	−44.1	51.7	301		0.517	0.0	1.0
328	302	302	0.533	0.0	1.0	36.1	51.3	−31.8	60.4	328		0.036	0.0	1.0	32.1	27.5	−43.9	51.9	302		0.533	0.0	1.0	0.037	0.0	1.0	32.1	27.5	−43.9	51.9	302		0.533	0.0	1.0
328	303	303	0.55	0.0	1.0	36.5	52.0	−31.4	60.7	328		0.053	0.0	1.0	32.0	28.4	−43.6	52.1	303		0.55	0.0	1.0	0.053	0.0	1.0	32.0	28.4	−43.6	52.1	303		0.55	0.0	1.0
329	304	303	0.566	0.0	1.0	36.9	52.6	−31.0	61.1	329		0.07	0.0	1.0	31.8	29.3	−43.3	52.3	304		0.567	0.0	1.0	0.07	0.0	1.0	31.8	29.2	−43.3	52.3	303		0.567	0.0	1.0
330	305	304	0.583	0.0	1.0	37.3	53.2	−30.6	61.4	330		0.088	0.0	1.0	31.7	30.1	−42.9	52.5	305		0.583	0.0	1.0	0.086	0.0	1.0	31.7	30.1	−43.0	52.5	304		0.583	0.0	1.0
330	306	305	0.6	0.0	1.0	37.7	53.8	−30.1	61.7	330		0.105	0.0	1.0	31.6	31.0	−42.6	52.7	306		0.6	0.0	1.0	0.103	0.0	1.0	31.6	30.9	−42.6	52.7	305		0.6	0.0	1.0
331	307	306	0.616	0.0	1.0	38.0	54.5	−29.7	62.0	331		0.122	0.0	1.0	31.4	31.9	−42.2	53.0	307		0.617	0.0	1.0	0.119	0.0	1.0	31.5	31.7	−42.3	52.9	306		0.617	0.0	1.0
332	308	307	0.633	0.0	1.0	38.4	55.1	−29.1	62.3	332		0.137	0.0	1.0	31.4	32.8	−41.8	53.2	308		0.633	0.0	1.0	0.134	0.0	1.0	31.4	32.5	−41.9	53.2	307		0.633	0.0	1.0
333	309	308	0.65	0.0	1.0	38.7	55.8	−28.4	62.6	333		0.151	0.0	1.0	31.3	33.6	−41.4	53.5	309		0.65	0.0	1.0	0.147	0.0	1.0	31.3	33.4	−41.6	53.4	308		0.65	0.0	1.0
333	310	309	0.666	0.0	1.0	39.0	56.5	−27.7	62.9	333		0.165	0.0	1.0	31.3	34.5	−41.0	53.7	310		0.667	0.0	1.0	0.16	0.0	1.0	31.3	34.2	−41.2	53.6	309		0.667	0.0	1.0
334	311	310	0.683	0.0	1.0	39.3	57.1	−27.0	63.2	334		0.179	0.0	1.0	31.2	35.4	−40.6	54.0	311		0.683	0.0	1.0	0.174	0.0	1.0	31.2	35.0	−40.8	53.9	310		0.683	0.0	1.0
335	312	311	0.7	0.0	1.0	39.6	57.8	−26.3	63.5	335		0.194	0.0	1.0	31.1	36.3	−40.2	54.2	312		0.7	0.0	1.0	0.187	0.0	1.0	31.2	35.9	−40.4	54.1	311		0.7	0.0	1.0
336	313	312	0.716	0.0	1.0	39.9	58.4	−25.5	63.8	336		0.208	0.0	1.0	31.1	37.1	−39.7	54.5	313		0.717	0.0	1.0	0.201	0.0	1.0	31.1	36.7	−40.0	54.3	312		0.717	0.0	1.0
337	314	313	0.733	0.0	1.0	40.2	59.1	−24.8	64.1	337		0.222	0.0	1.0	31.0	38.0	−39.2	54.7	314		0.733	0.0	1.0	0.214	0.0	1.0	31.1	37.5	−39.5	54.6	313		0.733	0.0	1.0
338	315	314	0.75	0.0	1.0	40.5	59.7	−24.0	64.3	338		0.236	0.0	1.0	31.0	38.9	−38.8	55.0	315		0.75	0.0	1.0	0.227	0.0	1.0	31.0	38.3	−39.1	54.8	314		0.75	0.0	1.0
338	316	315	0.766	0.0	1.0	40.8	60.4	−23.7	64.9	338		0.25	0.0	1.0	30.9	39.7	−38.2	55.2	316		0.767	0.0	1.0	0.241	0.0	1.0	31.0	39.1	−38.6	55.0	315		0.767	0.0	1.0
339	317	316	0.783	0.0	1.0	41.2	61.1	−23.3	65.4	339		0.271	0.0	1.0	31.3	40.6	−37.8	55.6	317		0.783	0.0	1.0	0.256	0.0	1.0	31.0	40.0	−38.1	55.3	316		0.783	0.0	1.0
339	318	317	0.8	0.0	1.0	41.5	61.8	−23.0	65.9	339		0.291	0.0	1.0	31.6	41.6	−37.3	55.9	318		0.8	0.0	1.0	0.275	0.0	1.0	31.4	40.8	−37.7	55.6	317		0.8	0.0	1.0
340	319	318	0.816	0.0	1.0	41.8	62.5	−22.6	66.5	340		0.311	0.0	1.0	32.0	42.5	−36.8	56.3	319		0.817	0.0	1.0	0.295	0.0	1.0	31.7	41.7	−37.2	56.0	318		0.817	0.0	1.0
340	320	319	0.833	0.0	1.0	42.2	63.2	−22.2	67.0	340		0.332	0.0	1.0	32.3	43.4	−36.3	56.6	320		0.833	0.0	1.0	0.314	0.0	1.0	32.0	42.6	−36.8	56.3	319		0.833	0.0	1.0
341	321	320	0.85	0.0	1.0	42.5	63.9	−21.8	67.6	341		0.352	0.0	1.0	32.7	44.3	−35.8	57.0	321		0.85	0.0	1.0	0.333	0.0	1.0	32.3	43.5	−36.3	56.7	320		0.85	0.0	1.0
341	322	321	0.866	0.0	1.0	42.8	64.6	−21.4	68.1	341		0.372	0.0	1.0	33.0	45.2	−35.2	57.3	322		0.867	0.0	1.0	0.352	0.0	1.0	32.7	44.3	−35.8	57.0	321		0.867	0.0	1.0
342	323	321	0.883	0.0	1.0	43.2	65.4	−21.0	68.7	342		0.398	0.0	1.0	33.5	46.2	−34.7	57.8	323		0.883	0.0	1.0	0.372	0.0	1.0	33.0	45.2	−35.2	57.3	321		0.883	0.0	1.0
342	324	322	0.9	0.0	1.0	43.7	66.1	−20.5	69.3	342		0.424	0.0	1.0	34.0	47.2	−34.2	58.4	324		0.9	0.0	1.0	0.396	0.0	1.0	33.5	46.1	−34.7	57.8	322		0.9	0.0	1.0
343	325	323	0.916	0.0	1.0	44.3	66.9	−20.0	69.8	343		0.45	0.0	1.0	34.5	48.2	−33.7	58.9	325		0.917	0.0	1.0	0.421	0.0	1.0	33.9	47.1	−34.3	58.3	323		0.917	0.0	1.0
343	326	324	0.933	0.0	1.0	44.8	67.7	−19.5	70.4	343		0.477	0.0	1.0	35.0	49.2	−33.1	59.4	326		0.933	0.0	1.0	0.446	0.0	1.0	34.4	48.0	−33.8	58.8	324		0.933	0.0	1.0
344	327	325	0.95	0.0	1.0	45.3	68.4	−18.9	71.0	344		0.503	0.0	1.0	35.5	50.2	−32.5	59.9	327		0.95	0.0	1.0	0.471	0.0	1.0	34.9	49.0	−33.2	59.3	325		0.95	0.0	1.0
345	328	326	0.966	0.0	1.0	45.8	69.2	−18.4	71.6	345		0.529	0.0	1.0	36.1	51.2	−31.9	60.4	328		0.967	0.0	1.0	0.496	0.0	1.0	35.4	49.9	−32.7	59.7	326		0.967	0.0	1.0
345	329	327	0.983	0.0	1.0	46.3	70.0	−17.8	72.2	345		0.555	0.0	1.0	36.7	52.2	−31.3	60.9	329		0.983	0.0	1.0	0.52	0.0	1.0	35.9	50.9	−32.1	60.2	327		0.983	0.0	1.0
346	330	328	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346	M_d	0.58	0.0	1.0	37.3	53.2	−30.6	61.4	330	M_s	1.0	0.0	1.0	0.545	0.0	1.0	36.4	51.8	−31.5	60.7	328	M_e	1.0	0.0	1.0
346	331	329	1.0	0.0	0.983	46.7	70.7	−16.9	72.7	346		0.606	0.0	1.0	37.8	54.1	−29.9	61.9	331		1.0	0.0	0.983	0.569	0.0	1.0	37.0	52.7	−30.9	61.2	329		1.0	0.0	0.983
346	332	330	1.0	0.0	0.966	46.6	70.7	−16.5	72.6	346		0.63	0.0	1.0	38.4	55.0	−29.2	62.3	332		1.0	0.0	0.967	0.593	0.0	1.0	37.6	53.6	−30.2	61.6	330		1.0	0.0	0.967
347	333	331	1.0	0.0	0.95	46.5	70.7	−16.1	72.5	347		0.65	0.0	1.0	38.7	55.8	−28.4	62.7	333		1.0	0.0	0.95	0.618	0.0	1.0	38.1	54.6	−29.6	62.1	331		1.0	0.0	0.95
347	334	332	1.0	0.0	0.933	46.4	70.7	−15.7	72.4	347		0.67	0.0	1.0	39.1	56.6	−27.5	63.0	334		1.0	0.0	0.933	0.638	0.0	1.0	38.5	55.4	−28.8	62.5	332		1.0	0.0	0.933
347	335	333	1.0	0.0	0.916	46.3	70.6	−15.3	72.3	347		0.689	0.0	1.0	39.5	57.4	−26.7	63.3	335		1.0	0.0	0.917	0.657	0.0	1.0	38.9	56.1	−28.1	62.8	333		1.0	0.0	0.917
348	336	334	1.0	0.0	0.9	46.2	70.6	−14.9	72.2	348		0.709	0.0	1.0	39.8	58.2	−25.8	63.7	336		1.0	0.0	0.9	0.676	0.0	1.0	39.2	56.9	−27.3	63.1	334		1.0	0.0	0.9
348	337	335	1.0	0.0	0.883	46.2	70.6	−14.6	72.1	348		0.729	0.0	1.0	40.2	58.9	−24.9	64.0	337		1.0	0.0	0.883	0.694	0.0	1.0	39.5	57.6	−26.5	63.4	335		1.0	0.0	0.883
348	338	336	1.0	0.0	0.866	46.1	70.4	−13.9	71.8	348		0.749	0.0	1.0	40.5	59.7	−24.0	64.4	338		1.0	0.0	0.867	0.713	0.0	1.0	39.9	58.3	−25.6	63.8	336		1.0	0.0	0.867
349	339	337	1.0	0.0	0.85	46.0	70.1	−13.1	71.3	349		0.781	0.0	1.0	41.2	61.0	−23.3	65.4	339		1.0	0.0	0.85	0.732	0.0	1.0	40.2	59.0	−24.8	64.1	337		1.0	0.0	0.85
349	340	338	1.0	0.0	0.833	45.9	69.8	−12.3	70.9	349		0.814	0.0	1.0	41.8	62.4	−22.6	66.4	340		1.0	0.0	0.833	0.751	0.0	1.0	40.6	59.8	−23.9	64.4	338		1.0	0.0	0.833
350	341	339	1.0	0.0	0.816	45.8	69.5	−11.5	70.4	350		0.847	0.0	1.0	42.5	63.8	−21.9	67.5	341		1.0	0.0	0.817	0.782	0.0	1.0	41.2	61.1	−23.3	65.4	339		1.0	0.0	0.817
351	342	339	1.0	0.0	0.8	45.7	69.1	−10.7	70.0	351		0.879	0.0	1.0	43.2	65.2	−21.1	68.5	342		1.0	0.0	0.8	0.813	0.0	1.0	41.8	62.4	−22.6	66.4	339		1.0	0.0	0.8
351	343	340	1.0	0.0	0.783	45.6	68.8	−9.9	69.5	351		0.907	0.0	1.0	44.0	66.5	−20.2	69.6	343		1.0	0.0	0.783	0.844	0.0	1.0	42.4	63.7	−21.9	67.4	340		1.0	0.0	0.783
352	344	341	1.0	0.0	0.766	45.5	68.4	−9.1	69.0	352		0.936	0.0	1.0	44.9	67.8	−19.4	70.6	344		1.0	0.0	0.767	0.875	0.0	1.0	43.1	65.0	−21.2	68.4	341		1.0	0.0	0.767
353	345	342	1.0	0.0	0.75	45.3	68.1	−8.3	68.6	353		0.964	0.0	1.0	45.8	69.1	−18.4	71.6	345		1.0	0.0	0.75	0.902	0.0	1.0	43.9	66.3	−20.4	69.4	342		1.0	0.0	0.75



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

RE670−72 1−1031530−L0 LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyn6*, D65, page 16/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

**Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6**

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{ddx361Mi}$ (x=LabCh)					$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
353	345	342	1.0	0.0	0.75	45.3	68.1	−8.3	68.6	353	0.964	0.0	1.0	45.8	69.1	−18.4	71.6	345	1.0	0.0	0.75	0.902	0.0	1.0	43.9	66.3	−20.4	69.4	342	1.0	0.0	0.75	🟥	🟥	🟥
353	346	343	1.0	0.0	0.733	45.3	67.8	−7.4	68.2	353	0.993	0.0	1.0	46.6	70.4	−17.5	72.6	346	1.0	0.0	0.733	0.929	0.0	1.0	44.7	67.5	−19.6	70.3	343	1.0	0.0	0.733	🟥	🟥	🟥
354	347	344	1.0	0.0	0.716	45.3	67.6	−6.5	67.9	354	1.0	0.0	0.958	46.6	70.7	−16.2	72.6	347	1.0	0.0	0.717	0.956	0.0	1.0	45.5	68.8	−18.7	71.3	344	1.0	0.0	0.717	🟥	🟥	🟥
355	348	345	1.0	0.0	0.7	45.2	67.3	−5.6	67.5	355	1.0	0.0	0.901	46.3	70.7	−14.9	72.2	348	1.0	0.0	0.7	0.983	0.0	1.0	46.3	70.0	−17.8	72.3	345	1.0	0.0	0.7	🟥	🟥	🟥
355	349	346	1.0	0.0	0.683	45.2	67.0	−4.7	67.2	355	1.0	0.0	0.86	46.1	70.4	−13.6	71.7	349	1.0	0.0	0.683	1.0	0.0	0.98	46.7	70.8	−16.7	72.7	346	1.0	0.0	0.683	🟥	🟥	🟥
356	350	347	1.0	0.0	0.666	45.2	66.7	−3.8	66.8	356	1.0	0.0	0.833	45.9	69.8	−12.2	70.9	350	1.0	0.0	0.667	1.0	0.0	0.926	46.4	70.7	−15.5	72.4	347	1.0	0.0	0.667	🟥	🟥	🟥
357	351	348	1.0	0.0	0.65	45.1	66.4	−3.0	66.5	357	1.0	0.0	0.805	45.7	69.3	−10.9	70.2	351	1.0	0.0	0.65	1.0	0.0	0.874	46.2	70.6	−14.2	72.0	348	1.0	0.0	0.65	🟥	🟥	🟥
358	352	349	1.0	0.0	0.633	45.1	66.1	−2.1	66.1	358	1.0	0.0	0.778	45.6	68.7	−9.6	69.4	352	1.0	0.0	0.633	1.0	0.0	0.848	46.0	70.1	−12.9	71.3	349	1.0	0.0	0.633	🟥	🟥	🟥
358	353	350	1.0	0.0	0.616	45.0	65.8	−1.2	65.8	358	1.0	0.0	0.75	45.4	68.1	−8.3	68.6	353	1.0	0.0	0.617	1.0	0.0	0.822	45.8	69.6	−11.7	70.6	350	1.0	0.0	0.617	🟥	🟥	🟥
359	354	351	1.0	0.0	0.6	44.9	65.7	−0.2	65.7	359	1.0	0.0	0.728	45.4	67.8	−7.0	68.2	354	1.0	0.0	0.6	1.0	0.0	0.796	45.7	69.1	−10.4	69.9	351	1.0	0.0	0.6	🟥	🟥	🟥
360	355	352	1.0	0.0	0.583	44.9	65.5	0.6	65.5	360	1.0	0.0	0.705	45.3	67.4	−5.8	67.7	355	1.0	0.0	0.583	1.0	0.0	0.769	45.5	68.6	−9.2	69.2	352	1.0	0.0	0.583	🟥	🟥	🟥
361	356	353	1.0	0.0	0.566	44.8	65.3	1.6	65.4	361	1.0	0.0	0.682	45.3	67.0	−4.6	67.2	356	1.0	0.0	0.567	1.0	0.0	0.745	45.4	68.0	−8.0	68.5	353	1.0	0.0	0.567	🟥	🟥	🟥
362	357	354	1.0	0.0	0.55	44.7	65.1	2.5	65.2	362	1.0	0.0	0.659	45.2	66.6	−3.4	66.7	357	1.0	0.0	0.55	1.0	0.0	0.723	45.3	67.7	−6.8	68.1	354	1.0	0.0	0.55	🟥	🟥	🟥
363	358	355	1.0	0.0	0.533	44.6	64.9	3.5	65.0	363	1.0	0.0	0.637	45.2	66.2	−2.2	66.2	358	1.0	0.0	0.533	1.0	0.0	0.701	45.3	67.4	−5.6	67.6	355	1.0	0.0	0.533	🟥	🟥	🟥
363	359	356	1.0	0.0	0.516	44.5	64.7	4.4	64.9	363	1.0	0.0	0.615	45.1	65.9	−1.0	65.9	359	1.0	0.0	0.517	1.0	0.0	0.68	45.2	67.0	−4.5	67.1	356	1.0	0.0	0.517	🟥	🟥	🟥
364	360	352	1.0	0.0	0.5	44.4	64.5	5.3	64.7	364	1.0	0.0	0.595	45.0	65.7	0.0	65.7	360	1.0	0.0	0.5	1.0	0.0	0.776	45.6	68.7	−9.5	69.4	352	1.0	0.0	0.5	🟥	🟥	🟥
365	361	353	1.0	0.0	0.483	44.5	64.2	6.1	64.5	365	1.0	0.0	0.575	44.9	65.5	1.1	65.5	361	1.0	0.0	0.483	1.0	0.0	0.746	45.4	68.1	−8.0	68.6	353	1.0	0.0	0.483	🟥	🟥	🟥
366	362	354	1.0	0.0	0.466	44.5	63.9	6.9	64.3	366	1.0	0.0	0.555	44.8	65.2	2.3	65.3	362	1.0	0.0	0.467	1.0	0.0	0.721	45.3	67.7	−6.7	68.0	354	1.0	0.0	0.467	🟥	🟥	🟥
366	363	355	1.0	0.0	0.45	44.6	63.6	7.7	64.0	366	1.0	0.0	0.535	44.7	65.0	3.4	65.1	363	1.0	0.0	0.45	1.0	0.0	0.696	45.3	67.3	−5.3	67.5	355	1.0	0.0	0.45	🟥	🟥	🟥
367	364	356	1.0	0.0	0.433	44.6	63.2	8.4	63.8	367	1.0	0.0	0.515	44.6	64.7	4.5	64.9	364	1.0	0.0	0.433	1.0	0.0	0.67	45.2	66.8	−4.0	66.9	356	1.0	0.0	0.433	🟥	🟥	🟥
368	365	357	1.0	0.0	0.416	44.6	62.9	9.2	63.6	368	1.0	0.0	0.494	44.5	64.4	5.6	64.7	365	1.0	0.0	0.417	1.0	0.0	0.645	45.2	66.3	−2.6	66.4	357	1.0	0.0	0.417	🟥	🟥	🟥
369	366	358	1.0	0.0	0.4	44.7	62.6	9.9	63.4	369	1.0	0.0	0.471	44.6	64.0	6.7	64.4	366	1.0	0.0	0.4	1.0	0.0	0.62	45.1	65.9	−1.3	65.9	358	1.0	0.0	0.4	🟥	🟥	🟥
369	367	359	1.0	0.0	0.383	44.7	62.2	10.7	63.1	369	1.0	0.0	0.448	44.6	63.6	7.8	64.0	367	1.0	0.0	0.383	1.0	0.0	0.598	45.0	65.7	−0.1	65.7	359	1.0	0.0	0.383	🟥	🟥	🟥
370	368	360	1.0	0.0	0.366	44.8	62.0	11.5	63.1	370	1.0	0.0	0.424	44.7	63.1	8.9	63.7	368	1.0	0.0	0.367	1.0	0.0	0.576	44.9	65.5	1.1	65.5	360	1.0	0.0	0.367	🟥	🟥	🟥
371	369	362	1.0	0.0	0.35	44.8	61.9	12.3	63.1	371	1.0	0.0	0.401	44.7	62.6	9.9	63.4	369	1.0	0.0	0.35	1.0	0.0	0.554	44.8	65.2	2.4	65.3	362	1.0	0.0	0.35	🟥	🟥	🟥
372	370	363	1.0	0.0	0.333	44.8	61.8	13.2	63.2	372	1.0	0.0	0.378	44.8	62.2	11.0	63.1	370	1.0	0.0	0.333	1.0	0.0	0.531	44.6	64.9	3.6	65.1	363	1.0	0.0	0.333	🟥	🟥	🟥
372	371	364	1.0	0.0	0.316	44.9	61.7	14.0	63.3	372	1.0	0.0	0.356	44.8	62.0	12.1	63.2	371	1.0	0.0	0.317	1.0	0.0	0.509	44.5	64.6	4.9	64.8	364	1.0	0.0	0.317	🟥	🟥	🟥
373	372	365	1.0	0.0	0.3	44.9	61.6	14.9	63.4	373	1.0	0.0	0.335	44.9	61.9	13.2	63.3	372	1.0	0.0	0.3	1.0	0.0	0.484	44.5	64.2	6.1	64.5	365	1.0	0.0	0.3	🟥	🟥	🟥
374	373	366	1.0	0.0	0.283	45.0	61.4	15.7	63.4	374	1.0	0.0	0.313	44.9	61.7	14.3	63.4	373	1.0	0.0	0.283	1.0	0.0	0.458	44.6	63.8	7.3	64.2	366	1.0	0.0	0.283	🟥	🟥	🟥
375	374	367	1.0	0.0	0.266	45.0	61.3	16.6	63.5	375	1.0	0.0	0.292	45.0	61.6	15.3	63.4	374	1.0	0.0	0.267	1.0	0.0	0.433	44.7	63.3	8.5	63.8	367	1.0	0.0	0.267	🟥	🟥	🟥
375	375	368	1.0	0.0	0.25	45.0	61.1	17.4	63.6	375	1.0	0.0	0.271	45.0	61.4	16.4	63.5	375	1.0	0.0	0.25	1.0	0.0	0.407	44.7	62.8	9.7	63.5	368	1.0	0.0	0.25	🟥	🟥	🟥
376	376	369	1.0	0.0	0.233	45.2	61.1	18.3	63.8	376	1.0	0.0	0.249	45.1	61.2	17.5	63.6	376	1.0	0.0	0.233	1.0	0.0	0.381	44.8	62.2	10.8	63.2	369	1.0	0.0	0.233	🟥	🟥	🟥
377	377	370	1.0	0.0	0.216	45.3	61.1	19.2	64.1	377	1.0	0.0	0.227	45.3	61.2	18.7	64.0	377	1.0	0.0	0.217	1.0	0.0	0.356	44.8	62.0	12.0	63.2	370	1.0	0.0	0.217	🟥	🟥	🟥
378	378	372	1.0	0.0	0.2	45.4	61.1	20.1	64.3	378	1.0	0.0	0.205	45.4	61.2	19.9	64.3	378	1.0	0.0	0.2	1.0	0.0	0.332	44.9	61.9	13.3	63.3	372	1.0	0.0	0.2	🟥	🟥	🟥
378	379	373	1.0	0.0	0.183	45.5	61.1	21.0	64.6	378	1.0	0.0	0.183	45.6	61.1	21.0	64.6	379	1.0	0.0	0.183	1.0	0.0	0.309	45.0	61.7	14.5	63.4	373	1.0	0.0	0.183	🟥	🟥	🟥
379	380	374	1.0	0.0	0.166	45.7	61.0	21.9	64.8	379	1.0	0.0	0.161	45.7	61.0	22.2	65.0	380	1.0	0.0	0.167	1.0	0.0	0.285	45.0	61.5	15.7	63.5	374	1.0	0.0	0.167	🟥	🟥	🟥
380	381	375	1.0	0.0	0.15	45.8	60.9	22.8	65.1	380	1.0	0.0	0.139	45.9	60.9	23.4	65.3	381	1.0	0.0	0.15	1.0	0.0	0.261	45.1	61.3	16.9	63.6	375	1.0	0.0	0.15	🟥	🟥	🟥
381	382	376	1.0	0.0	0.133	45.9	60.9	23.7	65.3	381	1.0	0.0	0.113	46.0	61.0	24.6	65.8	382	1.0	0.0	0.133	1.0	0.0	0.237	45.2	61.2	18.2	63.8	376	1.0	0.0	0.133	🟥	🟥	🟥
381	383	377	1.0	0.0	0.116	46.0	60.9	24.4	65.6	381	1.0	0.0	0.08	46.0	61.2	26.0	66.5	383	1.0	0.0	0.117	1.0	0.0	0.212	45.4	61.2	19.5	64.2	377	1.0	0.0	0.117	🟥	🟥	🟥
382	384	378	1.0	0.0	0.1	45.9	61.0	25.1	66.0	382	1.0	0.0	0.047	46.0	61.5	27.4	67.3	384	1.0	0.0	0.1	1.0	0.0	0.188	45.6	61.1	20.8	64.6	378	1.0	0.0	0.1	🟥	🟥	🟥
382	385	379	1.0	0.0	0.083	45.9	61.2	25.8	66.4	382	1.0	0.0	0.014	45.9	61.7	28.8	68.1	385	1.0	0.0	0.083	1.0	0.0	0.163	45.7	61.0	22.1	64.9	379	1.0	0.0	0.083	🟥	🟥	🟥
383	386	381	1.0	0.0	0.066	45.9	61.3	26.5	66.8	383	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	1.0	0.0	0.067	1.0	0.0	0.139	45.9	60.9	23.4	65.3	381	1.0	0.0	0.067	🟥	⬛	🟥
383	387	382	1.0	0.0	0.049	45.9	61.4	27.2	67.2	383	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	1.0	0.0	0.05	1.0	0.0	0.109	46.0	61.0	24.8	65.9	382	1.0	0.0	0.05	🟥	⬛	🟥
384	388	383	1.0	0.0	0.033	45.9	61.5	27.9	67.6	384	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	1.0	0.0	0.033	1.0	0.0	0.072	46.0	61.3	26.3	66.7	383	1.0	0.0	0.033	🟥	⬛	🟥
384	389	384	1.0	0.0	0.016	45.9	61.6	28.6	68.0	384	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	1.0	0.0	0.017	1.0	0.0	0.035	45.9	61.6	27.9	67.6	384	1.0	0.0	0.017	🟥	⬛	🟥
385	390	385	1.0	0.0	0.0	45.9	61.7	29.3	68.3	385 ***R***$_d$	1.0	0.045	0.0	48.1	60.5	34.9	69.9	390 ***R***$_s$	1.0	0.0	0.0	1.0	0.001	0.0	45.9	61.8	29.4	68.4	385 ***R***$_e$	1.0	0.0	0.0	🟥	🟥	🟥

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 18/33

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

n/j	HIC*Fdd	rgb_Fdd			ict_Fdd			hsi_F,dd	rgb*Fdd			LabCh*Fdd					rgb'*Fdd			LabCh'*Fdd					DE'*Fdd	hsiM,dd	rgb*Mdd			LabCh*Mdd				
0/648	R00Y_100_100dd	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4	1.0	0.0	0.0	46.0	57.7	38.3	69.3	33.5	9.8	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
1/657	R13Y_100_100dd	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.116	0.0	51.4	57.5	43.7	72.2	37.2	1.0	0.116	0.0	50.4	55.0	53.5	76.7	44.2	10.1	36	1.0	0.116	0.0	51.4	57.5	43.7	72.2	37.2
2/666	R25Y_100_100dd	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47.0	1.0	0.233	0.0	56.2	42.5	58.8	72.6	54.1	10.5	42	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47.0
3/675	R38Y_100_100dd	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.366	0.0	63.9	34.2	53.1	63.2	57.2	0.999	0.367	0.0	62.6	30.2	64.7	71.4	64.9	12.2	51	1.0	0.366	0.0	63.9	34.2	53.1	63.2	57.2
4/684	R50Y_100_100dd	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1	1.0	0.5	0.0	68.0	19.8	71.1	73.8	74.4	14.1	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
5/693	R63Y_100_100dd	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.633	0.0	74.2	16.6	62.0	64.2	74.9	0.999	0.632	0.0	72.5	11.6	75.6	76.5	81.2	14.6	68	1.0	0.633	0.0	74.2	16.6	62.0	64.2	74.9
6/702	R75Y_100_100dd	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84.6	0.986	0.758	0.012	80.0	−1.5	80.2	80.2	91.1	20.1	77	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84.6
7/711	R88Y_100_100dd	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.883	0.0	84.9	0.5	57.9	57.9	89.4	0.994	0.877	0.008	83.7	−7.2	77.1	77.5	95.3	20.7	83	1.0	0.883	0.0	84.9	0.5	57.9	57.9	89.4
8/720	Y00G_100_100dd	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1	1.0	1.0	0.0	88.4	−15.9	87.3	88.7	100.3	22.7	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
9/639	Y13G_100_100dd	0.875	1.0	0.0	1.0	1.0	0.5	97	0.883	1.0	0.0	91.0	−10.1	75.2	75.9	97.6	0.874	0.996	0.007	91.0	−20.3	95.4	97.5	102.0	22.5	96	0.883	1.0	0.0	91.0	−10.1	75.2	75.9	97.6
10/558	Y25G_100_100dd	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100.8	0.765	1.0	0.0	87.3	−24.9	91.7	95.0	105.2	20.7	102	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100.8
11/477	Y38G_100_100dd	0.625	1.0	0.0	1.0	1.0	0.5	112	0.633	1.0	0.0	80.0	−24.0	61.5	66.0	111.3	0.632	1.0	0.0	76.9	−35.6	74.3	82.4	115.5	17.5	111	0.633	1.0	0.0	80.0	−24.0	61.5	66.0	111.3
12/396	Y50G_100_100dd	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3	0.501	0.999	0.0	68.9	−44.5	61.0	75.5	126.0	15.2	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
13/315	Y63G_100_100dd	0.375	1.0	0.0	1.0	1.0	0.5	128	0.366	1.0	0.0	67.6	−38.8	45.2	59.6	130.6	0.367	1.0	0.0	64.5	−49.7	53.0	72.7	133.1	13.7	128	0.366	1.0	0.0	67.6	−38.8	45.2	59.6	130.6
14/234	Y75G_100_100dd	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144.7	0.235	1.0	0.0	56.8	−59.4	40.3	71.9	145.8	12.2	137	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144.7
15/153	Y88G_100_100dd	0.125	1.0	0.0	1.0	1.0	0.5	143	0.116	1.0	0.0	57.0	−54.6	27.8	61.2	152.9	0.114	0.871	0.024	54.7	−64.3	37.1	74.2	150.0	13.6	143	0.116	1.0	0.0	57.0	−54.6	27.8	61.2	152.9
16/72	G00C_100_100dd	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6	0.0	1.0	0.0	51.5	−69.1	31.3	75.8	155.6	12.0	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
17/73	G13C_100_100dd	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.116	53.6	−57.6	14.2	59.3	166.1	0.037	0.874	0.13	50.9	−66.8	22.4	70.4	161.4	12.5	156	0.0	1.0	0.116	53.6	−57.6	14.2	59.3	166.1
18/74	G25C_100_100dd	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.233	53.7	−53.8	5.8	54.1	173.7	0.01	0.988	0.238	51.6	−63.0	15.1	64.8	166.4	13.2	162	0.0	1.0	0.233	53.7	−53.8	5.8	54.1	173.7
19/75	G38C_100_100dd	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.366	54.3	−50.1	−1.8	50.1	182.1	0.007	0.989	0.365	52.4	−58.3	7.6	58.8	172.5	12.6	171	0.0	1.0	0.366	54.3	−50.1	−1.8	50.1	182.1
20/76	G50C_100_100dd	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3	0.0	1.0	0.5	53.4	−52.3	−1.5	52.3	181.6	12.7	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
21/77	G63C_100_100dd	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.633	55.9	−38.8	−20.1	43.7	207.3	0.0	0.999	0.623	54.3	−46.6	−8.9	47.4	190.8	13.7	188	0.0	1.0	0.633	55.9	−38.8	−20.1	43.7	207.3
22/78	G75C_100_100dd	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.766	55.8	−32.9	−28.8	43.8	221.1	0.045	0.91	0.699	54.2	−42.4	−16.1	45.4	200.7	15.9	197	0.0	1.0	0.766	55.8	−32.9	−28.8	43.8	221.1
23/79	G88C_100_100dd	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.883	54.2	−29.7	−36.7	47.3	231.0	0.0	0.996	0.874	53.6	−38.2	−23.7	44.9	211.8	15.5	203	0.0	1.0	0.883	54.2	−29.7	−36.7	47.3	231.0
24/80	C00B_100_100dd	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1	0.0	1.0	1.0	52.3	−29.5	−35.3	46.0	230.1	13.4	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
25/71	C13B_100_100dd	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.883	1.0	51.4	−20.2	−50.4	54.3	248.0	0.001	0.833	0.965	51.6	−27.6	−38.7	47.5	234.5	13.8	216	0.0	0.883	1.0	51.4	−20.2	−50.4	54.3	248.0
26/62	C25B_100_100dd	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.766	1.0	51.5	−16.9	−54.0	56.6	252.5	0.0	0.749	0.99	51.9	−21.6	−43.7	48.8	243.7	11.2	222	0.0	0.766	1.0	51.5	−16.9	−54.0	56.6	252.5
27/53	C38B_100_100dd	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.633	1.0	49.5	−10.9	−55.6	56.7	258.8	0.0	0.633	1.0	49.7	−15.2	−47.3	49.7	252.1	9.3	231	0.0	0.633	1.0	49.5	−10.9	−55.6	56.7	258.8
28/44	C50B_100_100dd	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7	0.0	0.501	1.0	44.3	−8.0	−48.1	48.8	260.5	7.2	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
29/35	C63B_100_100dd	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.366	1.0	39.9	1.7	−53.4	53.5	271.8	0.0	0.368	1.0	39.9	−1.1	−47.6	47.6	268.5	6.5	248	0.0	0.366	1.0	39.9	1.7	−53.4	53.5	271.8
30/26	C75B_100_100dd	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.233	1.0	35.6	9.4	−51.1	52.0	280.4	0.007	0.244	0.935	34.3	8.0	−47.4	48.0	279.5	4.2	257	0.0	0.233	1.0	35.6	9.4	−51.1	52.0	280.4
31/17	C88B_100_100dd	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.116	1.0	34.4	17.9	−47.9	51.1	290.4	0.002	0.119	1.0	32.7	15.2	−45.1	47.7	288.6	4.1	263	0.0	0.116	1.0	34.4	17.9	−47.9	51.1	290.4
32/8	B00M_100_100dd	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9	0.0	0.0	1.0	30.1	22.7	−43.9	49.5	297.3	3.6	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
33/89	B13M_100_100dd	0.125	0.0	1.0	1.0	1.0	0.5	277	0.116	0.0	1.0	31.4	31.5	−42.4	52.8	306.6	0.115	0.0	1.0	29.9	27.4	−41.0	49.3	303.7	4.6	276	0.116	0.0	1.0	31.4	31.5	−42.4	52.8	306.6
34/170	B25M_100_100dd	0.25	0.0	1.0	1.0	1.0	0.5	284	0.233	0.0	1.0	30.9	38.6	−38.9	54.9	314.8	0.235	0.0	1.0	28.9	34.8	−38.8	52.1	311.9	4.3	282	0.233	0.0	1.0	30.9	38.6	−38.9	54.9	314.8
35/251	B38M_100_100dd	0.375	0.0	1.0	1.0	1.0	0.5	292	0.366	0.0	1.0	32.9	44.9	−35.4	57.2	321.7	0.368	0.0	1.0	31.2	39.7	−35.0	52.9	318.5	5.5	291	0.366	0.0	1.0	32.9	44.9	−35.4	57.2	321.7
36/332	B50M_100_100dd	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8	0.501	0.0	0.999	33.5	44.6	−31.7	54.7	324.5	5.8	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
37/413	B63M_100_100dd	0.625	0.0	1.0	1.0	1.0	0.5	308	0.633	0.0	1.0	38.4	55.1	−29.1	62.3	332.1	0.632	0.0	1.0	36.3	49.7	−27.5	56.8	331.0	6.0	308	0.633	0.0	1.0	38.4	55.1	−29.1	62.3	332.1
38/494	B75M_100_100dd	0.75	0.0	1.0	1.0	1.0	0.5	316	0.766	0.0	1.0	40.8	60.4	−23.7	64.9	338.5	0.765	0.0	1.0	38.7	54.4	−22.1	58.7	337.8	6.5	317	0.766	0.0	1.0	40.8	60.4	−23.7	64.9	338.5
39/575	B88M_100_100dd	0.875	0.0	1.0	1.0	1.0	0.5	323	0.883	0.0	1.0	43.2	65.4	−21.0	68.7	342.1	0.882	0.0	1.0	41.9	58.8	−17.6	61.4	343.2	7.4	323	0.883	0.0	1.0	43.2	65.4	−21.0	68.7	342.1
40/656	M00R_100_100dd	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2	1.0	0.0	1.0	45.4	65.2	−11.8	66.2	349.7	7.9	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
41/655	M13R_100_100dd	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.883	46.2	70.6	−14.6	72.1	348.3	0.999	0.001	0.881	45.9	66.5	−9.4	67.1	351.9	6.6	336	1.0	0.0	0.883	46.2	70.6	−14.6	72.1	348.3
42/654	M25R_100_100dd	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.766	45.5	68.4	−9.1	69.0	352.4	1.0	0.0	0.765	45.4	65.2	−1.4	65.2	358.7	8.3	342	1.0	0.0	0.766	45.5	68.4	−9.1	69.0	352.4
43/653	M38R_100_100dd	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.633	45.1	66.1	−2.1	66.1	358.1	0.981	0.028	0.623	45.3	63.2	6.2	63.5	365.6	8.8	351	1.0	0.0	0.633	45.1	66.1	−2.1	66.1	358.1
44/652	M50R_100_100dd	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7	1.0	0.0	0.5	45.0	60.1	13.7	61.6	372.8	9.4	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
45/651	M63R_100_100dd	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.366	44.8	62.0	11.5	63.1	10.5	0.999	0.0	0.368	45.2	58.0	20.6	61.5	379.5	9.9	368	1.0	0.0	0.366	44.8	62.0	11.5	63.1	10.5
46/650	M75R_100_100dd	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.233	45.2	61.1	18.3	63.8	16.7	1.0	0.0	0.234	45.1	57.4	28.8	64.2	386.6	11.0	377	1.0	0.0	0.233	45.2	61.1	18.3	63.8	16.7
47/649	M88R_100_100dd	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.116	46.0	60.9	24.4	65.6	21.8	1.0	0.0	0.118	45.6	57.6	34.9	67.4	391.2	10.9	383	1.0	0.0	0.116	46.0	60.9	24.4	65.6	21.8
48/648	R00Y_100_100dd	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4	1.0	0.0	0.0	46.0	57.7	38.3	69.3	393.5	9.8	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
49/0	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	0.0	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
50/91	NW_013dd	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	29.4	−1.5	3.1	3.5	116.7	3.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
51/182	NW_025dd	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	38.1	−2.6	4.2	4.9	122.4	5.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
52/273	NW_038dd	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	48.7	−4.5	7.4	8.7	121.3	8.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
53/364	NW_050dd	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	56.2	−5.8	11.3	12.7	117.3	12.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
54/455	NW_063dd	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	65.4	−7.3	13.0	14.9	119.2	15.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
55/546	NW_075dd	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	72.6	−10.6	17.3	20.3	121.5	20.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
56/637	NW_088dd	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	83.7	−12.3	20.3	23.8	121.2	23.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
57/728	NW_100dd	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.0	0.0	0.0	0.0	0.0	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0

Mean color difference of this page: delta 11.1

1-1031730-F0

RE670−7N, Page 18/33−F

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^*$

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

1-1031730-F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 19/33

n/j	HIC*$_{\mathrm{Fdd}}$	*rgb*$_{\_\mathrm{Fdd}}$			*ict*$_{\_\mathrm{Fdd}}$			*h*$_{\mathrm{si\_F,dd}}$	*rgb**$_{\mathrm{Fdd}}$			*LabCh**$_{\mathrm{Fdd}}$					*rgb'**$_{\mathrm{Fdd}}$			*LabCh'**$_{\mathrm{Fdd}}$					*DE'**$_{\mathrm{Fdd}}$	*h*$_{\mathrm{siM,dd}}$	*rgb**$_{\mathrm{Mdd}}$			*LabCh**$_{\mathrm{Mdd}}$				
0/648	R00Y_100_100$_{\mathrm{dd}}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4	1.0	0.0	0.0	46.0	57.7	38.3	69.3	33.5	9.8	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
1/666	R25Y_100_100$_{\mathrm{dd}}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47.0	1.0	0.233	0.0	56.2	42.5	58.8	72.6	54.1	10.5	42	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47.0
2/684	R50Y_100_100$_{\mathrm{dd}}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1	1.0	0.5	0.0	68.0	19.8	71.1	73.8	74.4	14.1	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
3/702	R75Y_100_100$_{\mathrm{dd}}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84.6	0.986	0.758	0.012	80.0	−1.5	80.2	80.2	91.1	20.1	77	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84.6
4/720	Y00G_100_100$_{\mathrm{dd}}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1	1.0	1.0	0.0	88.4	−15.9	87.3	88.7	100.3	22.7	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
5/558	Y25G_100_100$_{\mathrm{dd}}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100.8	0.765	1.0	0.0	87.3	−24.9	91.7	95.0	105.2	20.7	102	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100.8
6/396	Y50G_100_100$_{\mathrm{dd}}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3	0.501	0.999	0.0	68.9	−44.5	61.0	75.5	126.0	15.2	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
7/234	Y75G_100_100$_{\mathrm{dd}}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144.7	0.235	1.0	0.0	56.8	−59.4	40.3	71.9	145.8	12.2	137	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144.7
8/72	G00B_100_100$_{\mathrm{dd}}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6	0.0	1.0	0.0	51.5	−69.1	31.3	75.8	155.6	12.0	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
9/72	G00B_100_100$_{\mathrm{dd}}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6	0.0	1.0	0.0	51.5	−69.1	31.3	75.8	155.6	12.0	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
10/76	G25B_100_100$_{\mathrm{dd}}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3	0.0	1.0	0.5	53.4	−52.3	−1.5	52.3	181.6	12.7	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
11/80	G50B_100_100$_{\mathrm{dd}}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1	0.0	1.0	1.0	52.3	−29.5	−35.3	46.0	230.1	13.4	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
12/44	G75B_100_100$_{\mathrm{dd}}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7	0.0	0.501	1.0	44.3	−8.0	−48.1	48.8	260.5	7.2	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
13/8	B00M_100_100$_{\mathrm{dd}}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9	0.0	0.0	1.0	30.1	22.7	−43.9	49.5	297.3	3.6	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
14/332	B25R_100_100$_{\mathrm{dd}}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8	0.501	0.0	0.999	33.5	44.6	−31.7	54.7	324.5	5.8	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
15/656	B50R_100_100$_{\mathrm{dd}}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2	1.0	0.0	1.0	45.4	65.2	−11.8	66.2	349.7	7.9	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
16/652	B75R_100_100$_{\mathrm{dd}}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7	1.0	0.0	0.5	45.0	60.1	13.7	61.6	12.8	9.4	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
17/648	R00Y_100_100$_{\mathrm{dd}}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4	1.0	0.0	0.0	46.0	57.7	38.3	69.3	33.5	9.8	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
18/688	R00Y_100_050$_{\mathrm{dd}}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	70.0	30.8	14.6	34.1	25.4	0.998	0.499	0.506	68.3	25.7	31.1	40.4	50.3	17.3	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
19/706	R50Y_100_050$_{\mathrm{dd}}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.75	0.5	81.9	12.1	28.9	31.4	67.1	1.0	0.761	0.431	80.4	2.4	48.5	48.6	87.1	21.9	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
20/724	Y00G_100_050$_{\mathrm{dd}}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	91.8	−3.5	33.1	33.3	96.1	1.0	1.0	0.424	90.2	−14.2	57.4	59.1	103.9	26.5	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
21/562	Y50G_100_050$_{\mathrm{dd}}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	83.4	−16.4	25.9	30.7	122.3	0.705	0.993	0.434	79.8	−30.8	46.6	55.9	123.4	25.4	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
22/400	G00B_100_050$_{\mathrm{dd}}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	74.2	−29.7	12.2	32.1	157.6	0.475	1.0	0.376	70.3	−38.4	25.8	46.3	146.1	16.6	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
23/404	G50B_100_050$_{\mathrm{dd}}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	73.1	−11.4	−23.5	26.1	244.1	0.448	0.848	0.728	69.6	−22.8	−10.1	25.0	204.0	17.8	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
24/368	B00R_100_050$_{\mathrm{dd}}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	63.3	12.8	−22.2	25.7	299.9	0.562	0.52	0.701	61.4	6.0	−12.8	14.1	295.4	11.7	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
25/692	B50R_100_050$_{\mathrm{dd}}$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	70.5	35.3	−8.6	36.4	346.2	0.973	0.506	0.741	71.7	27.4	7.7	28.5	15.8	18.2	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
26/688	R00Y_100_050$_{\mathrm{dd}}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	70.0	30.8	14.6	34.1	25.4	0.998	0.499	0.506	68.3	25.7	31.1	40.4	50.3	17.3	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
27/506	R00Y_075_050$_{\mathrm{dd}}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.5	30.8	14.6	34.1	25.4	0.768	0.23	0.268	50.9	26.8	25.3	36.9	43.3	11.4	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
28/524	R50Y_075_050$_{\mathrm{dd}}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.5	0.25	63.3	12.1	28.9	31.4	67.1	0.76	0.479	0.197	62.8	6.7	40.8	41.4	80.5	13.0	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
29/542	Y00G_075_050$_{\mathrm{dd}}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	73.3	−3.5	33.1	33.3	96.1	0.677	0.685	0.21	72.4	−11.9	50.4	51.7	103.3	19.1	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
30/380	Y50G_075_050$_{\mathrm{dd}}$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	64.9	−16.4	25.9	30.7	122.3	0.44	0.694	0.169	63.2	−24.4	38.3	45.4	122.4	14.8	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
31/218	G00B_075_050$_{\mathrm{dd}}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	55.6	−29.7	12.2	32.1	157.6	0.227	0.736	0.189	53.6	−39.5	22.9	45.7	149.8	14.6	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
32/222	G50B_075_050$_{\mathrm{dd}}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	54.6	−11.4	−23.5	26.1	244.1	0.247	0.623	0.545	53.5	−19.2	−14.2	23.9	216.3	12.2	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
33/186	B00R_075_050$_{\mathrm{dd}}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	44.7	12.8	−22.2	25.7	299.9	0.342	0.292	0.53	42.5	9.1	−18.0	20.2	296.8	6.0	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
34/510	B50R_075_050$_{\mathrm{dd}}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	51.9	35.3	−8.6	36.4	346.2	0.753	0.255	0.599	52.0	30.4	0.7	30.4	1.3	10.5	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
35/506	R00Y_075_050$_{\mathrm{dd}}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.5	30.8	14.6	34.1	25.4	0.768	0.23	0.268	50.9	26.8	25.3	36.9	43.3	11.4	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
36/324	R00Y_050_050$_{\mathrm{dd}}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.9	30.8	14.6	34.1	25.4	0.457	0.01	0.057	33.7	27.9	20.2	34.4	35.8	6.2	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
37/342	R50Y_050_050$_{\mathrm{dd}}$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.25	0.0	44.7	12.1	28.9	31.4	67.1	0.543	0.254	0.041	45.9	9.5	38.9	40.0	76.2	10.3	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
38/360	Y00G_050_050$_{\mathrm{dd}}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	54.7	−3.5	33.1	33.3	96.1	0.477	0.46	0.066	56.4	−10.1	46.8	47.9	102.1	15.2	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
39/198	Y50G_050_050$_{\mathrm{dd}}$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	46.3	−16.4	25.9	30.7	122.3	0.281	0.495	0.037	45.8	−24.8	33.0	41.3	126.9	10.9	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
40/36	G00B_050_050$_{\mathrm{dd}}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	37.0	−29.7	12.2	32.1	157.6	0.0	0.375	0.0	37.4	−35.6	13.2	38.0	159.5	6.0	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
41/40	G50B_050_050$_{\mathrm{dd}}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	36.0	−11.4	−23.5	26.1	244.1	0.0	0.288	0.31	37.1	−13.5	−20.8	24.8	236.9	3.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
42/4	B00R_050_050$_{\mathrm{dd}}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	26.2	12.8	−22.2	25.7	299.9	0.053	0.0	0.317	26.2	9.8	−22.9	24.9	293.1	3.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
43/328	B50R_050_050$_{\mathrm{dd}}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	33.4	35.3	−8.6	36.4	346.2	0.426	0.012	0.351	32.4	32.3	−4.5	32.6	351.9	5.1	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
44/324	R00Y_050_050$_{\mathrm{dd}}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.9	30.8	14.6	34.1	25.4	0.457	0.01	0.057	33.7	27.9	20.2	34.4	35.8	6.2	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
45/0	NW_000$_{\mathrm{dd}}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	0.0	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
46/91	NW_013$_{\mathrm{dd}}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	29.4	−1.5	3.1	3.5	116.7	3.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
47/182	NW_025$_{\mathrm{dd}}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	38.1	−2.6	4.2	4.9	122.4	5.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
48/273	NW_038$_{\mathrm{dd}}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	48.7	−4.5	7.4	8.7	121.3	8.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
49/364	NW_050$_{\mathrm{dd}}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	56.2	−5.8	11.3	12.7	117.3	12.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
50/455	NW_063$_{\mathrm{dd}}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	65.4	−7.3	13.0	14.9	119.2	15.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
51/546	NW_075$_{\mathrm{dd}}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	72.6	−10.6	17.3	20.3	121.5	20.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
52/637	NW_088$_{\mathrm{dd}}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	83.7	−12.3	20.3	23.8	121.2	23.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
53/728	NW_100$_{\mathrm{dd}}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.0	0.0	0.0	0.0	0.0	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
																	Mean color difference of this page:						**delta**		**12.2**									

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

input: *rgb/cmyk* −> *rgb*$_{\mathrm{dd}}$
output: 3D-linearization to *cmyk**$_{\mathrm{dd}}$

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 20/33

n=*j*	HIC^{*}_{Fdd}	$rgb_{\_Fdd}$			$ict_{\_Fdd}$			$h_{si\_F,dd}$	rgb^{*}_{Fdd}			$LabCh^{*}_{Fdd}$					rgb'^{*}_{Fdd}			$LabCh'^{*}_{Fdd}$					DE'^{*}_{Fdd}	$h_{siM,dd}$	rgb^{*}_{Mdd}			$LabCh^{*}_{Mdd}$				
0	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1	B00R_012_012$_{dd}$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.0	0.125	21.5	3.2	−5.5	6.4	299.9	0.0	0.0	0.061	24.4	4.8	−11.2	12.2	293.4	6.5	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
2	B00R_025_025$_{dd}$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.0	0.25	23.1	6.4	−11.1	12.8	299.9	0.0	0.0	0.125	23.6	5.2	−19.9	20.5	284.7	8.8	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
3	B00R_037_037$_{dd}$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.0	0.375	24.6	9.6	−16.7	19.2	299.9	0.06	0.0	0.25	28.1	10.9	−28.9	31.0	290.7	12.8	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
4	B00R_050_050$_{dd}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	26.2	12.8	−22.2	25.7	299.9	0.053	0.0	0.317	29.6	19.6	−39.6	44.3	296.3	19.0	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
5	B00R_062_062$_{dd}$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.0	0.625	27.7	16.0	−27.8	32.1	299.9	0.041	0.0	0.388	28.1	26.4	−44.8	52.1	300.5	19.9	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
6	B00R_075_075$_{dd}$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.0	0.75	29.2	19.2	−33.4	38.5	299.9	0.055	0.009	0.467	29.1	26.5	−44.7	52.0	300.6	13.5	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
7	B00R_087_087$_{dd}$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.0	0.875	30.8	22.4	−38.9	44.9	299.9	0.059	0.041	0.578	30.8	27.2	−44.4	52.1	301.4	7.2	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
8	B00R_100_100$_{dd}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9	0.0	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
9	G00B_012_012$_{dd}$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	24.3	−7.4	3.0	8.0	157.6	0.0	0.069	0.0	29.7	−5.3	1.9	5.6	159.7	5.9	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
10	G50B_012_012$_{dd}$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.125	24.0	−2.8	−5.8	6.5	244.1	0.0	0.044	0.044	28.2	−6.2	−11.2	12.9	240.9	7.6	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
11	G75B_025_025$_{dd}$	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.125	0.25	26.3	−1.2	−13.6	13.7	264.7	0.0	0.06	0.142	28.8	−3.3	−20.2	20.4	260.6	7.2	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
12	G84B_037_037$_{dd}$	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.118	0.375	26.8	1.6	−19.7	19.8	274.9	0.016	0.069	0.256	31.0	−1.3	−29.0	29.0	267.2	10.6	251	0.0	0.316	1.0	38.1	4.5	−52.7	52.9	274.9
13	G88B_050_050$_{dd}$	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.116	0.5	27.8	4.7	−25.5	26.0	280.4	0.0	0.046	0.328	33.0	5.8	−39.7	40.1	278.3	15.1	257	0.0	0.233	1.0	35.6	9.4	−51.1	52.0	280.4
14	G90B_062_062$_{dd}$	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.114	0.625	29.4	8.2	−31.2	32.2	284.7	0.0	0.043	0.401	34.2	13.1	−47.0	48.8	285.6	17.2	260	0.0	0.183	1.0	35.1	13.1	−49.9	51.6	284.7
15	G92B_075_075$_{dd}$	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.112	0.75	31.1	11.6	−36.7	38.5	287.6	0.013	0.064	0.477	33.4	17.1	−47.9	50.9	289.6	12.7	262	0.0	0.15	1.0	34.8	15.5	−48.9	51.3	287.6
16	G93B_087_087$_{dd}$	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.116	0.875	32.8	14.6	−42.3	44.8	289.0	0.019	0.094	0.578	34.0	18.9	−47.3	50.9	291.7	6.6	262	0.0	0.133	1.0	34.6	16.7	−48.4	51.2	289.0
17	G94B_100_100$_{dd}$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.116	1.0	34.4	17.9	−47.9	51.1	290.4	0.002	0.119	1.0	34.5	17.3	−48.1	51.1	289.8	0.6	263	0.0	0.116	1.0	34.4	17.9	−47.9	51.1	290.4
18	G00B_025_025$_{dd}$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	28.5	−14.8	6.1	16.0	157.6	0.0	0.25	0.0	32.6	−17.6	3.4	17.9	168.8	5.6	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
19	G25B_025_025$_{dd}$	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.125	28.8	−11.0	−2.8	11.4	194.3	0.016	0.25	0.125	30.8	−14.1	−6.4	15.5	204.3	5.1	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
20	G50B_025_025$_{dd}$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.25	28.0	−5.7	−11.7	13.0	244.1	0.0	0.116	0.125	35.0	−8.8	−19.3	21.2	245.4	10.7	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
21	G65B_037_037$_{dd}$	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.256	0.375	31.4	−4.9	−20.7	21.3	256.4	0.004	0.174	0.266	35.4	−6.6	−27.5	28.3	256.4	8.0	228	0.0	0.683	1.0	50.3	−13.3	−55.2	56.8	256.4
22	G75B_050_050$_{dd}$	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.25	0.5	32.7	−2.5	−27.3	27.4	264.7	0.016	0.172	0.371	36.1	−3.4	−36.0	36.2	264.5	9.4	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
23	G80B_062_062$_{dd}$	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.239	0.625	32.8	0.5	−33.5	33.5	270.8	0.0	0.153	0.436	36.4	0.1	−44.8	44.8	270.2	11.8	247	0.0	0.383	1.0	40.5	0.8	−53.6	53.6	270.8
24	G84B_075_075$_{dd}$	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.237	0.75	33.6	3.3	−39.5	39.7	274.9	0.0	0.154	0.502	36.3	4.3	−50.2	50.4	274.9	11.0	251	0.0	0.316	1.0	38.1	4.5	−52.7	52.9	274.9
25	G86B_087_087$_{dd}$	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.233	0.875	34.3	6.3	−45.3	45.8	277.9	0.0	0.17	0.59	35.3	8.8	−51.6	52.4	279.7	6.8	255	0.0	0.266	1.0	36.4	7.2	−51.8	52.3	277.9
26	G88B_100_100$_{dd}$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.233	1.0	35.6	9.4	−51.1	52.0	280.4	0.007	0.244	0.935	35.8	8.1	−51.5	52.1	278.9	1.3	257	0.0	0.233	1.0	35.6	9.4	−51.1	52.0	280.4
27	G00B_037_037$_{dd}$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	32.8	−22.3	9.1	24.1	157.6	0.0	0.25	0.0	38.3	−29.9	8.8	31.2	163.5	9.3	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
28	G15B_037_037$_{dd}$	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.118	32.8	−19.3	0.3	19.3	178.9	0.0	0.271	0.04	36.5	−26.7	−3.1	26.9	186.6	8.9	168	0.0	1.0	0.316	54.1	−51.5	0.9	51.5	178.9
29	G34B_037_037$_{dd}$	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.375	0.256	33.5	−13.7	−8.8	16.3	212.7	0.021	0.275	0.165	37.2	−20.0	−16.0	25.6	218.6	10.2	191	0.0	1.0	0.683	55.9	−36.6	−23.5	43.5	212.7
30	G50B_037_037$_{dd}$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.375	32.0	−8.5	−17.6	19.6	244.1	0.0	0.204	0.22	39.2	−14.3	−27.5	31.0	242.4	13.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
31	G61B_050_050$_{dd}$	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.383	0.5	35.7	−8.4	−27.0	28.3	252.5	0.0	0.268	0.362	39.2	−9.3	−35.8	37.0	255.3	9.5	222	0.0	0.766	1.0	51.5	−16.9	−54.0	56.6	252.5
32	G69B_062_062$_{dd}$	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.385	0.625	38.2	−6.3	−34.8	35.3	259.6	0.014	0.321	0.497	40.8	−6.2	−42.8	43.2	261.6	8.4	232	0.0	0.616	1.0	49.1	−10.2	−55.6	56.6	259.6
33	G75B_075_075$_{dd}$	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.375	0.75	39.0	−3.7	−41.0	41.1	264.7	0.011	0.32	0.594	41.8	−2.7	−50.9	50.9	266.9	10.3	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
34	G79B_087_087$_{dd}$	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.364	0.875	39.2	−0.7	−47.2	47.2	269.1	0.005	0.314	0.697	41.9	−0.7	−53.0	53.0	269.1	6.3	245	0.0	0.416	1.0	41.9	−0.8	−54.0	54.0	269.1
35	G81B_100_100$_{dd}$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.366	1.0	39.9	1.7	−53.4	53.5	271.8	0.0	0.368	1.0	40.2	1.2	−53.5	53.5	271.3	0.5	248	0.0	0.366	1.0	39.9	1.7	−53.4	53.5	271.8
36	G00B_050_050$_{dd}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	37.0	−29.7	12.2	32.1	157.6	0.0	0.375	0.0	41.9	−54.1	17.3	56.8	162.2	25.3	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
37	G11B_050_050$_{dd}$	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.116	36.8	−26.9	2.9	27.0	173.7	0.001	0.362	0.058	42.4	−53.5	4.8	53.7	174.8	27.2	162	0.0	1.0	0.233	53.7	−53.8	5.8	54.1	173.7
38	G25B_050_050$_{dd}$	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.25	37.7	−22.1	−5.6	22.8	194.3	0.059	0.398	0.189	40.6	−36.7	−10.3	38.1	195.6	15.6	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
39	G38B_050_050$_{dd}$	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.5	0.383	37.9	−16.4	−14.4	21.9	221.1	0.066	0.389	0.277	42.0	−27.9	−24.4	37.1	221.1	15.7	197	0.0	1.0	0.766	55.8	−32.9	−28.8	43.8	221.1
40	G50B_050_050$_{dd}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	36.0	−11.4	−23.5	26.1	244.1	0.0	0.288	0.31	43.3	−16.7	−35.4	39.1	244.7	14.9	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
41	G59B_062_062$_{dd}$	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.51	0.625	39.6	−11.5	−32.8	34.7	250.6	0.006	0.387	0.462	43.7	−14.4	−41.4	43.8	250.8	9.9	219	0.0	0.816	1.0	51.4	−18.4	−52.4	55.6	250.6
42	G65B_075_075$_{dd}$	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.512	0.75	42.8	−9.9	−41.4	42.6	256.4	0.011	0.442	0.625	46.4	−11.5	−49.1	50.4	256.7	8.6	228	0.0	0.683	1.0	50.3	−13.3	−55.2	56.8	256.4
43	G70B_087_087$_{dd}$	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.51	0.875	44.5	−7.6	−48.5	49.1	261.0	0.008	0.447	0.739	47.0	−7.5	−54.3	54.8	262.0	6.3	234	0.0	0.583	1.0	48.0	−8.7	−55.4	56.1	261.0
44	G75B_100_100$_{dd}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7	0.0	0.501	1.0	45.3	−5.0	−54.6	54.9	264.7	0.0	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
45	G00B_062_062$_{dd}$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	41.3	−37.2	15.2	40.2	157.6	0.082	0.479	0.035	46.5	−61.0	20.5	64.4	161.4	24.9	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
46	G09B_062_062$_{dd}$	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.114	41.0	−34.7	5.8	35.2	170.5	0.065	0.47	0.11	46.6	−66.0	11.4	67.0	170.1	32.2	159	0.0	1.0	0.183	53.6	−55.6	9.2	56.4	170.5
47	G19B_062_062$_{dd}$	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.239	41.5	−30.9	−1.8	31.0	183.4	0.068	0.488	0.19	47.6	−61.4	−2.5	61.4	182.3	31.0	172	0.0	1.0	0.383	54.5	−49.5	−2.9	49.6	183.4
48	G30B_062_062$_{dd}$	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.385	42.4	−24.7	−11.8	27.4	205.6	0.075	0.501	0.293	48.1	−47.8	−16.6	50.6	199.2	24.2	187	0.0	1.0	0.616	55.9	−39.5	−19.0	43.8	205.6
49	G40B_062_062$_{dd}$	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.625	0.51	41.9	−19.9	−20.1	28.2	225.2	0.061	0.468	0.354	49.9	−38.9	−30.4	49.3	218.0	23.0	200	0.0	1.0	0.816	55.1	−31.8	−32.1	45.2	225.2
50	G50B_062_062$_{dd}$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.625	40.0	−14.2	−29.3	32.6	244.1	0.011	0.4	0.418	49.0	−24.1	−40.9	47.5	239.4	17.6	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
51	G57B_075_075$_{dd}$	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.637	0.75	43.5	−14.5	−38.5	41.2	249.3	0.006	0.494	0.571	49.4	−21.4	−45.2	50.0	244.6	11.2	217	0.0	0.85	1.0	51.4	−19.3	−51.4	54.9	249.3
52	G63B_087_087$_{dd}$	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.641	0.875	47.3	−13.7	−47.9	49.8	254.0	0.005	0.534	0.753	49.8	−16.0	−52.0	54.4	252.8	5.3	224	0.0	0.733	1.0	51.2	−15.6	−54.7	56.9	254.0
53	G68B_100_100$_{dd}$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.633	1.0	49.5	−10.9	−55.6	56.7	258.8	0.0	0.633	1.0	49.3	−10.5	−55.7	56.7	259.2	0.4	231	0.0	0.633	1.0	49.5	−10.9	−55.6	56.7	258.8
54	G00B_075_075$_{dd}$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	45.6	−44.6	18.3	48.2	157.6	0.09	0.581	0.042	50.1	−64.7	21.1	68.1	161.9	20.8	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
55	G07B_075_075$_{dd}$	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.112	45.2	−42.5	8.7	43.4	168.3	0.071	0.571	0.122	48.9	−66.7	12.6	67.9	169.2	24.7	157	0.0	1.0	0.15	53.6	−56.7	11.6	57.9	168.3
56	G15B_075_075$_{dd}$	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.237	45.6	−38.6	0.6	38.6	178.9	0.074	0.577	0.205	48.8	−61.2	0.1	61.2	179.9	22.8	168	0.0	1.0	0.316	54.1	−51.5	0.9	51.5	178.9
57	G25B_075_075$_{dd}$	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.375	46.5	−33.2	−8.4	34.2	194.3	0.081	0.587	0.302	49.9	−51.9	−12.9	53.5	194.0	19.5	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
58	G34B_075_075$_{dd}$	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.75	0.512	47.0	−27.4	−17.6	32.6	212.7	0.079	0.581	0.388	51.0	−42.7	−24.4	49.2	209.8	17.1	191	0.0	1.0	0.683	55.9	−36.6	−23.5	43.5	212.7
59	G42B_075_075$_{dd}$	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.75	0.637	46.0	−23.1	−25.7	34.6	228.0	0.057	0.548	0.447	51.6	−34.0	−34.2	48.2	225.1	14.8	202	0.0	1.0	0.85	54.7	−30.9	−34.3	46.2	228.0
60	G50B_075_075$_{dd}$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.75	44.0	−17.1	−35.2	39.2	244.1	0.011	0.509	0.515	51.1	−26.7	−43.2	50.8	238.2	14.3	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
61	G56B_087_087$_{dd}$	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.758	0.875	47.4	−17.3	−44.5	47.8	248.7	0.004	0.565	0.701	51.1	−22.6	−47.7	52.8	244.6	7.1	217	0.0	0.866	1.0	51.4	−19.8	−50.9	54.6	248.7
62	G61B_100_100$_{dd}$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.766	1.0	51.5	−16.9	−54.0	56.6	252.5	0.0	0.749	0.99	51.5	−16.4	−54.5	56.9	253.2	0.7	222	0.0	0.766	1.0	51.5	−16.9	−54.0	56.6	252.5
63	G00B_087_087$_{dd}$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	49.8	−52.0	21.4	56.3	157.6	0.084	0.695	0.036	51.7	−63.6	22.2	67.4	160.7	11.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
64	G06B_087_087$_{dd}$	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.116	49.4	−50.0	11.3	51.3	167.2	0.064	0.749	0.127	51.4	−60.6	12.4	61.9	168.3	10.8	157	0.0	1.0	0.133	53.6	−57.2	12.9	58.6	167.2
65	G13B_087_087$_{dd}$	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.233	49.6	−46.2	3.3	46.3	175.8	0.071	0.749	0.25	51.4	−56.9	1.8	56.9	178.1	10.9	164	0.0	1.0	0.266	53.8	−52.8	3.8	52.9	175.8
66	G20B_087_087$_{dd}$	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.364	50.4	−42.1	−4.8	42.4	186.5	0.072	0.699	0.309	52.5	−51.1	−7.0	51.5	187.8	9.4	174	0.0	1.0	0.416	54.7	−48.2	−5.5	48.5	186.5
67	G29B_087_087$_{dd}$	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.51	51.3	−35.9	−14.8	38.8	202.4	0.078	0.749	0.411	53.1	−43.1	−19.1	47.1	203.9	8.5	185	0.0	1.0	0.583	55.7	−41.0	−16.9	44.4	202.4
68	G36B_087_087$_{dd}$	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.875	0.641	51.5	−29.9	−23.4	37.9	218.0	0.075	0.672	0.488	53.7	−36.7	−26.5	45.3	215.8	7.9	195	0.0	1.0	0.733	56.0	−34.1	−26.7	43.4	218.0
69	G43B_087_087$_{dd}$	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.875	0.758	50.2	−26.6	−31.0	40.8	229.3	0.054	0.627	0.541	52.7	−32.3	−35.0	47.6	227.2	7.4	202	0.0	1.0	0.866	54.5	−30.4	−35.4	46.7	229.3
70	G50B_087_087$_{dd}$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.875	48.1	−19.9	−41.1	45.7	244.1	0.014	0.59	0.644	51.1	−24.9	−45.7	52.0	241.3	7.4	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
71	G55B_100_100$_{dd}$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.883	1.0	51.4	−20.2	−50.4	54.3	248.0	0.001	0.833	0.965	51.4	−20.0	−50.6	54.4	248.3	0.3	216	0.0	0.883	1.0	51.4	−20.2	−50.4	54.3	248.0
72	G00B_100_100$_{dd}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6	0.0	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
73	G05B_100_100$_{dd}$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.116	53.6	−57.6	14.2	59.3	166.1	0.037	0.874	0.13	53.6	−57.4	13.5	59.0	166.7	0.7	156	0.0	1.0	0.116	53.6	−57.6	14.2	59.3	166.1
74	G11B_100_100$_{dd}$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.233	53.7	−53.8	5.8	54.1	173.7	0.01	0.988	0.238	53.7	−53.2	4.8	53.4	174.8	1.2	162	0.0	1.0	0.233	53.7	−53.8	5.8	54.1	173.7
75	G18B_100_100$_{dd}$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.366	54.3	−50.1	−1.8	50.1	182.1	0.007	0.989	0.365	54.4	−49.8	−2.2	49.9	182.6	0.5	171	0.0	1.0	0.366	54.3	−50.1	−1.8	50.1	182.1
76	G25B_100_100$_{dd}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3	0.0	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
77	G31B_100_100$_{dd}$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.633	55.9	−38.8	−20.1	43.7	207.3	0.0	0.999	0.623	55.9	−39.1	−19.5	43.7	206.4	0.6	188	0.0	1.0	0.633	55.9	−38.8	−20.1	43.7	207.3
78	G38B_100_100$_{dd}$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.766	55.8	−32.9	−28.8	43.8	221.1	0.045	0.91	0.699	56.0	−33.2	−27.7	43.3	219.8	1.1	197	0.0	1.0	0.766	55.8	−32.9	−28.8	43.8	221.1
79	G44B_100_100$_{dd}$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.883	54.2	−29.7	−36.7	47.3	231.0	0.0	0.996	0.874	54.4	−30.1	−36.0	46.9	230.0	0.8	203	0.0	1.0	0.883	54.2	−29.7	−36.7	47.3	231.0
80	G50B_100_100$_{dd}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1	0.0	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
																	Mean color difference of this page:							**delta**	**10.3**									

1−1031930−F0

RE670−7N, Page 20/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^{*}$

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1031930−F0

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 21/33

n	HIC*Fdd	*rgb*_Fdd			*ict*_Fdd			*h*si_F,dd	*rgb**Fdd			*LabCh**Fdd					*rgb'**Fdd			*LabCh'**Fdd					*DE'**Fdd	*h*siM,dd	*rgb**Mdd			*LabCh**Mdd				
81	R00Y_012_012dd	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	23.2	7.7	3.6	8.5	25.4	0.142	0.0	0.022	22.5	5.6	4.9	7.4	41.4	2.5	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
82	B50R_012_012dd	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.125	23.3	8.8	−2.1	9.1	346.2	0.1	0.0	0.068	25.9	10.2	−4.8	11.3	334.5	3.9	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
83	B25R_025_025dd	0.125	0.0	0.25	0.25	0.25	0.125	300	0.125	0.0	0.25	23.8	12.5	−8.1	14.9	326.8	0.165	0.013	0.196	26.8	13.7	−14.8	20.2	312.6	7.4	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
84	B15R_037_037dd	0.125	0.0	0.375	0.375	0.375	0.187	289	0.118	0.0	0.375	24.5	16.0	−13.7	21.1	319.2	0.158	0.0	0.249	28.2	16.8	−22.5	28.1	306.8	9.5	288	0.316	0.0	1.0	32.0	42.7	−36.7	56.3	319.2
85	B11R_050_050dd	0.125	0.0	0.5	0.5	0.5	0.25	284	0.116	0.0	0.5	25.5	19.3	−19.4	27.4	314.8	0.125	0.0	0.375	28.8	26.6	−31.9	41.5	309.8	14.7	282	0.233	0.0	1.0	30.9	38.6	−38.9	54.9	314.8
86	B09R_062_062dd	0.125	0.0	0.625	0.625	0.625	0.312	281	0.114	0.0	0.625	27.0	22.2	−25.3	33.7	311.2	0.125	0.0	0.403	28.5	33.1	−35.7	48.8	312.8	15.1	279	0.183	0.0	1.0	31.1	35.6	−40.6	54.0	311.2
87	B07R_075_075dd	0.125	0.0	0.75	0.75	0.75	0.375	279	0.112	0.0	0.75	28.4	25.1	−31.1	40.0	308.9	0.125	0.0	0.482	29.4	34.5	−39.4	52.4	311.2	12.5	278	0.15	0.0	1.0	31.3	33.5	−41.5	53.4	308.9
88	B06R_087_087dd	0.125	0.0	0.875	0.875	0.875	0.437	278	0.116	0.0	0.875	29.9	28.4	−36.7	46.5	307.7	0.103	0.022	0.607	30.2	34.4	−40.9	53.5	310.0	7.3	277	0.133	0.0	1.0	31.3	32.5	−42.0	53.1	307.7
89	B05R_100_100dd	0.125	0.0	1.0	1.0	1.0	0.5	277	0.116	0.0	1.0	31.4	31.5	−42.4	52.8	306.6	0.115	0.0	1.0	31.4	32.0	−42.2	53.0	307.1	0.4	276	0.116	0.0	1.0	31.4	31.5	−42.4	52.8	306.6
90	Y00G_012_012dd	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.125	0.0	28.7	−0.8	8.2	8.3	96.1	0.146	0.129	0.011	28.7	−1.6	7.9	8.1	101.8	0.8	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
91	NW_012dd	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	24.5	0.7	−0.8	1.1	312.2	4.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
92	B00R_025_012dd	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.124	0.25	30.8	3.2	−5.5	6.4	299.9	0.184	0.168	0.2	28.7	4.1	−14.4	15.0	286.0	9.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
93	B00R_037_025dd	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.124	0.375	32.4	6.4	−11.1	12.8	299.9	0.198	0.162	0.267	31.2	6.6	−22.5	23.4	286.4	11.4	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
94	B00R_050_037dd	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.124	0.5	33.9	9.6	−16.7	19.2	299.9	0.22	0.163	0.359	35.1	11.5	−28.5	30.7	292.0	12.0	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
95	B00R_062_050dd	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.125	0.625	35.4	12.8	−22.2	25.7	299.9	0.223	0.164	0.452	37.2	17.8	−35.3	39.6	296.7	14.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
96	B00R_075_062dd	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.125	0.75	37.0	16.0	−27.8	32.1	299.9	0.208	0.155	0.545	38.3	19.4	−41.1	45.5	295.3	13.7	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
97	B00R_087_075dd	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.125	0.875	38.5	19.2	−33.4	38.5	299.9	0.192	0.145	0.643	36.1	23.1	−44.7	50.4	297.3	12.2	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
98	B00R_100_087dd	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.125	1.0	40.1	22.4	−38.9	44.9	299.9	0.215	0.174	0.783	34.5	25.2	−44.9	51.6	299.3	8.6	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
99	Y50G_025_025dd	0.125	0.25	0.0	0.25	0.25	0.125	120	0.125	0.25	0.0	33.1	−8.2	12.9	15.3	122.3	0.125	0.25	0.0	34.7	−8.0	12.3	14.7	123.1	1.7	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
100	G00B_025_012dd	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.124	33.5	−7.4	3.0	8.0	157.6	0.11	0.238	0.087	34.8	−6.9	0.6	6.9	174.4	2.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
101	G50B_025_012dd	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.25	33.3	−2.8	−5.8	6.5	244.1	0.155	0.227	0.195	34.1	−5.5	−14.6	15.6	249.3	9.1	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
102	G75B_037_025dd	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.25	0.375	35.6	−1.2	−13.6	13.7	264.7	0.177	0.257	0.298	37.0	−1.4	−22.3	22.3	266.3	8.7	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
103	G84B_050_037dd	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.243	0.5	36.1	1.6	−19.7	19.8	274.9	0.167	0.235	0.366	39.3	1.5	−28.7	28.7	273.0	9.4	251	0.0	0.316	1.0	38.1	4.5	−52.7	52.9	274.9
104	G88B_062_050dd	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.241	0.625	37.1	4.7	−25.5	26.0	280.4	0.148	0.213	0.457	42.4	4.9	−33.4	33.8	278.4	9.4	257	0.0	0.233	1.0	35.6	9.4	−51.1	52.0	280.4
105	G90B_075_062dd	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.239	0.75	38.7	8.2	−31.2	32.2	284.7	0.128	0.196	0.558	43.6	7.7	−39.9	40.6	280.9	10.0	260	0.0	0.183	1.0	35.1	13.1	−49.9	51.6	284.7
106	G92B_087_075dd	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.237	0.875	40.4	11.6	−36.7	38.5	287.6	0.124	0.193	0.669	39.1	14.2	−47.8	49.9	286.5	11.5	262	0.0	0.15	1.0	34.8	15.5	−48.9	51.3	287.6
107	G93B_100_087dd	0.125	0.25	1.0	1.0	0.875	0.562	262	0.125	0.241	1.0	42.1	14.6	−42.3	44.8	289.0	0.186	0.263	0.817	37.8	17.5	−46.9	50.0	290.4	6.8	262	0.0	0.133	1.0	34.6	16.7	−48.4	51.2	289.0
108	Y68G_037_037dd	0.125	0.375	0.0	0.375	0.375	0.187	131	0.118	0.375	0.0	36.9	−16.2	15.5	22.4	136.1	0.132	0.32	0.0	38.4	−23.5	16.8	28.9	144.4	7.5	131	0.316	1.0	0.0	65.0	−43.2	41.5	59.9	136.1
109	G00B_037_025dd	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.124	37.8	−14.8	6.1	16.0	157.6	0.151	0.357	0.105	37.4	−17.6	2.7	17.8	171.0	4.3	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
110	G25B_037_025dd	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.25	38.1	−11.0	−2.8	11.4	194.3	0.17	0.365	0.211	36.2	−13.2	−8.7	15.8	213.5	6.6	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
111	G50B_037_025dd	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.375	37.3	−5.7	−11.7	13.0	244.1	0.171	0.317	0.287	41.1	−8.1	−22.8	24.2	250.4	11.9	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
112	G65B_050_037dd	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.381	0.5	40.6	−4.9	−20.7	21.3	256.4	0.17	0.35	0.377	42.1	−4.9	−28.3	28.8	260.2	7.8	228	0.0	0.683	1.0	50.3	−13.3	−55.2	56.8	256.4
113	G75B_062_050dd	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.375	0.625	41.9	−2.5	−27.3	27.4	264.7	0.154	0.353	0.498	44.8	−2.3	−32.7	32.8	265.8	6.1	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
114	G80B_075_062dd	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.364	0.75	42.1	0.5	−33.5	33.5	270.8	0.108	0.304	0.596	46.2	−0.4	−38.1	38.1	269.3	6.2	247	0.0	0.383	1.0	40.5	0.8	−53.6	53.6	270.8
115	G84B_087_075dd	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.362	0.875	42.9	3.3	−39.5	39.7	274.9	0.1	0.294	0.708	44.3	2.6	−49.9	50.0	273.0	10.5	251	0.0	0.316	1.0	38.1	4.5	−52.7	52.9	274.9
116	G86B_100_087dd	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.358	1.0	43.6	6.3	−45.3	45.8	277.9	0.14	0.331	0.833	39.8	7.0	−50.9	51.4	277.8	6.8	255	0.0	0.266	1.0	36.4	7.2	−51.8	52.3	277.9
117	Y76G_050_050dd	0.125	0.5	0.0	0.5	0.5	0.25	136	0.116	0.5	0.0	40.4	−24.6	17.4	30.2	144.7	0.151	0.434	0.027	41.9	−36.4	22.2	42.7	148.5	12.7	137	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144.7
118	G00B_050_037dd	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.124	42.1	−22.3	9.1	24.1	157.6	0.15	0.472	0.105	42.4	−23.8	6.0	24.6	165.7	3.4	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
119	G15B_050_037dd	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.243	42.0	−19.3	0.3	19.3	178.9	0.148	0.473	0.193	42.9	−20.8	−5.5	21.6	194.8	6.1	168	0.0	1.0	0.316	54.1	−51.5	0.9	51.5	178.9
120	G34B_050_037dd	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.5	0.381	42.7	−13.7	−8.8	16.3	212.7	0.173	0.457	0.296	44.1	−14.6	−18.2	23.4	231.2	9.5	191	0.0	1.0	0.683	55.9	−36.6	−23.5	43.5	212.7
121	G50B_050_037dd	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.5	41.3	−8.5	−17.6	19.6	244.1	0.162	0.392	0.351	46.1	−10.0	−29.7	31.3	251.2	13.0	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
122	G61B_062_050dd	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.508	0.625	45.0	−8.4	−27.0	28.3	252.5	0.144	0.461	0.482	48.2	−6.9	−34.3	35.0	258.5	8.0	222	0.0	0.766	1.0	51.5	−16.9	−54.0	56.6	252.5
123	G69B_075_062dd	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.51	0.75	47.4	−6.3	−34.8	35.3	259.6	0.118	0.479	0.633	49.3	−4.8	−38.4	38.7	262.7	4.3	232	0.0	0.616	1.0	49.1	−10.2	−55.6	56.6	259.6
124	G75B_087_075dd	0.125	0.5	0.875	0.875	0.75	0.5	240	0.125	0.5	0.875	48.3	−3.7	−41.0	41.1	264.7	0.116	0.471	0.774	49.5	−3.5	−47.0	47.1	265.7	6.1	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
125	G79B_100_087dd	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.489	1.0	48.5	−0.7	−47.2	47.2	269.1	0.148	0.465	0.873	45.0	−1.1	−52.6	52.6	268.7	6.4	245	0.0	0.416	1.0	41.9	−0.8	−54.0	54.0	269.1
126	Y81G_062_062dd	0.125	0.625	0.0	0.625	0.625	0.312	139	0.114	0.625	0.0	44.5	−32.3	19.9	37.9	148.3	0.155	0.539	0.039	47.7	−47.6	26.0	54.3	151.3	16.8	140	0.183	1.0	0.0	59.2	−51.7	31.8	60.7	148.3
127	G00B_062_050dd	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.125	46.3	−29.7	12.2	32.1	157.6	0.146	0.575	0.104	47.9	−32.1	9.9	33.6	162.7	3.6	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
128	G11B_062_050dd	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.241	46.1	−26.9	2.9	27.0	173.7	0.134	0.575	0.192	48.1	−29.7	−0.7	29.7	181.5	5.0	162	0.0	1.0	0.233	53.7	−53.8	5.8	54.1	173.7
129	G25B_062_050dd	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.375	47.0	−22.1	−5.6	22.8	194.3	0.157	0.571	0.294	48.9	−24.0	−13.0	27.3	208.4	7.8	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
130	G38B_062_050dd	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.625	0.508	47.2	−16.4	−14.4	21.9	221.1	0.164	0.55	0.378	50.2	−17.6	−24.6	30.3	234.4	10.7	197	0.0	1.0	0.766	55.8	−32.9	−28.8	43.8	221.1
131	G50B_062_050dd	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.625	45.3	−11.4	−23.5	26.1	244.1	0.14	0.493	0.44	51.6	−13.7	−34.1	36.7	248.0	12.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
132	G59B_075_062dd	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.635	0.75	48.9	−11.5	−32.8	34.7	250.6	0.116	0.553	0.589	52.2	−9.7	−39.4	40.6	256.0	7.5	219	0.0	0.816	1.0	51.4	−18.4	−52.4	55.6	250.6
133	G65B_087_075dd	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.637	0.875	52.0	−9.9	−41.4	42.6	256.4	0.116	0.623	0.783	52.2	−7.7	−45.2	45.9	260.2	4.4	228	0.0	0.683	1.0	50.3	−13.3	−55.2	56.8	256.4
134	G70B_100_087dd	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	0.635	1.0	53.8	−7.6	−48.5	49.1	261.0	0.165	0.672	0.947	49.9	−5.8	−53.3	53.6	263.7	6.4	234	0.0	0.583	1.0	48.0	−8.7	−55.4	56.1	261.0
135	Y85G_075_075dd	0.125	0.75	0.0	0.75	0.75	0.375	141	0.112	0.75	0.0	48.5	−39.9	22.2	45.7	150.8	0.152	0.628	0.041	52.4	−53.0	28.5	60.2	151.7	15.0	142	0.15	1.0	0.0	58.0	−53.2	29.7	60.9	150.8
136	G00B_075_062dd	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.125	50.6	−37.2	15.2	40.2	157.6	0.136	0.683	0.099	53.0	−37.5	12.9	39.7	160.9	3.3	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
137	G09B_075_062dd	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.239	50.3	−34.7	5.8	35.2	170.5	0.12	0.682	0.195	53.0	−36.1	4.1	36.3	173.4	3.4	159	0.0	1.0	0.183	53.6	−55.6	9.2	56.4	170.5
138	G19B_075_062dd	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.364	50.8	−30.9	−1.8	31.0	183.4	0.133	0.68	0.289	54.4	−34.3	−6.7	35.0	191.1	6.9	172	0.0	1.0	0.383	54.5	−49.5	−2.9	49.6	183.4
139	G30B_075_062dd	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.51	51.7	−24.7	−11.8	27.4	205.6	0.15	0.663	0.396	55.9	−27.7	−19.0	33.7	214.4	8.8	187	0.0	1.0	0.616	55.9	−39.5	−19.0	43.8	205.6
140	G40B_075_062dd	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.75	0.635	51.2	−19.9	−20.1	28.2	225.2	0.143	0.64	0.468	56.0	−23.8	−29.3	37.8	230.8	11.1	200	0.0	1.0	0.816	55.1	−31.8	−32.1	45.2	225.2
141	G50B_075_062dd	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.75	49.3	−14.2	−29.3	32.6	244.1	0.121	0.582	0.545	55.9	−17.6	−38.2	42.1	245.2	11.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
142	G57B_087_075dd	0.125	0.75	0.875	0.875	0.75	0.5	219	0.125	0.762	0.875	52.8	−14.5	−38.5	41.2	249.3	0.108	0.661	0.724	55.3	−12.9	−44.8	46.6	253.8	6.9	217	0.0	0.85	1.0	51.4	−19.3	−51.4	54.9	249.3
143	G63B_100_087dd	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	0.766	1.0	56.6	−13.7	−47.9	49.8	254.0	0.138	0.797	0.951	54.6	−11.2	−51.6	52.8	257.6	4.8	224	0.0	0.733	1.0	51.2	−15.6	−54.7	56.9	254.0
144	Y86G_087_087dd	0.125	0.875	0.0	0.875	0.875	0.437	142	0.116	0.875	0.0	52.8	−47.1	25.0	53.4	152.0	0.138	0.742	0.033	57.4	−54.5	30.7	62.6	150.5	10.4	142	0.133	1.0	0.0	57.5	−53.9	28.6	61.0	152.0
145	G00B_087_075dd	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.125	54.8	−44.6	18.3	48.2	157.6	0.127	0.793	0.099	58.3	−51.1	19.4	54.7	159.1	7.4	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
146	G07B_087_075dd	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.237	54.5	−42.5	8.7	43.4	168.3	0.115	0.792	0.207	58.3	−47.7	8.8	48.5	169.5	6.4	157	0.0	1.0	0.15	53.6	−56.7	11.6	57.9	168.3
147	G15B_087_075dd	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.362	54.8	−38.6	0.6	38.6	178.9	0.123	0.784	0.303	58.4	−43.0	−3.3	43.1	184.4	6.9	168	0.0	1.0	0.316	54.1	−51.5	0.9	51.5	178.9
148	G25B_087_075dd	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.5	55.8	−33.2	−8.4	34.2	194.3	0.139	0.768	0.405	59.4	−37.0	−14.3	39.7	201.1	7.8	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
149	G34B_087_075dd	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.875	0.637	56.2	−27.4	−17.6	32.6	212.7	0.138	0.749	0.492	59.7	−31.9	−23.1	39.4	215.8	7.8	191	0.0	1.0	0.683	55.9	−36.6	−23.5	43.5	212.7
150	G42B_087_075dd	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.875	0.762	55.3	−23.1	−25.7	34.6	228.0	0.132	0.726	0.573	59.2	−27.2	−32.3	42.2	229.8	8.5	202	0.0	1.0	0.85	54.7	−30.9	−34.3	46.2	228.0
151	G50B_087_075dd	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.875	53.3	−17.1	−35.2	39.2	244.1	0.114	0.678	0.673	58.5	−20.3	−42.3	46.9	244.3	9.2	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
152	G56B_100_087dd	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	0.883	1.0	56.7	−17.3	−44.5	47.8	248.7	0.117	0.825	0.893	57.3	−16.2	−49.6	52.2	251.8	5.2	217	0.0	0.866	1.0	51.4	−19.8	−50.9	54.6	248.7
153	Y88G_100_100dd	0.125	1.0	0.0	1.0	1.0	0.5	143	0.116	1.0	0.0	57.0	−54.6	27.8	61.2	152.9	0.114	0.871	0.024	57.2	−54.2	28.0	61.0	152.6	0.4	143	0.116	1.0	0.0	57.0	−54.6	27.8	61.2	152.9
154	G00B_100_087dd	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.125	59.1	−52.0	21.4	56.3	157.6	0.135	0.874	0.115	56.0	−54.6	19.8	58.1	160.0	4.2	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
155	G06B_100_087dd	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.241	58.7	−50.0	11.3	51.3	167.2	0.121	0.874	0.225	55.7	−53.0	10.8	54.1	168.4	4.2	157	0.0	1.0	0.133	53.6	−57.2	12.9	58.6	167.2
156	G13B_100_087dd	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.358	58.9	−46.2	3.3	46.3	175.8	0.125	0.874	0.311	57.1	−47.7	1.6	47.7	178.0	2.8	164	0.0	1.0	0.266	53.8	−52.8	3.8	52.9	175.8
157	G20B_100_087dd	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.489	59.7	−42.1	−4.8	42.4	186.5	0.136	0.874	0.403	57.5	−41.3	−10.2	42.6	193.9	5.9	174	0.0	1.0	0.416	54.7	−48.2	−5.5	48.5	186.5
158	G29B_100_087dd	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.635	60.6	−35.9	−14.8	38.8	202.4	0.144	0.874	0.521	58.4	−35.3	−20.6	40.9	210.3	6.2	185	0.0	1.0	0.583	55.7	−41.0	−16.9	44.4	202.4
159	G36B_100_087dd	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	1.0	0.766	60.7	−29.9	−23.4	37.9	218.0	0.185	0.989	0.683	58.2	−31.4	−27.2	41.5	220.9	4.8	195	0.0	1.0	0.733	56.0	−34.1	−26.7	43.4	218.0
160	G43B_100_087dd	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	1.0	0.883	59.4	−26.6	−31.0	40.8	229.3	0.136	0.865	0.727	58.5	−25.3	−35.9	44.0	234.8	5.1	202	0.0	1.0	0.866	54.5	−30.4	−35.4	46.7	229.3
161	G50B_100_087dd	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	1.0	57.3	−19.9	−41.1	45.7	244.1	0.118	0.837	0.845	55.1	−21.2	−46.1	50.8	245.2	5.6	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1

Mean color difference of this page: delta 7.7

1−1032030−F0

RE670−7N, Page 21/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

input: *rgb/cmyk* −> *rgb*dd
output: 3D-linearization to *cmyk**dd

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1032030−F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 22/33

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

n	HIC^*_{Fdd}	$rgb_{\_Fdd}$			$ict_{\_Fdd}$			$h_{si\_F,dd}$	rgb^*_{Fdd}			$LabCh^*_{Fdd}$					rgb'^*_{Fdd}			$LabCh'^*_{Fdd}$					DE'^*_{Fdd}	$h_{siM,dd}$	rgb^*_{Mdd}			$LabCh^*_{Mdd}$				
162	R00Y_025_025$_{dd}$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	26.5	15.4	7.3	17.0	25.4	0.27	0.0	0.042	25.9	11.7	10.1	15.4	40.7	4.6	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
163	R00Y_025_025$_{dd}$	0.25	0.0	0.125	0.25	0.25	0.125	360	0.25	0.0	0.125	26.1	16.1	1.3	16.1	4.7	0.263	0.0	0.125	26.2	14.4	0.4	14.4	1.9	1.9	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
164	B50R_025_025$_{dd}$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.25	26.7	17.6	−4.3	18.2	346.2	0.25	0.0	0.184	27.9	21.6	−9.2	23.5	336.8	6.4	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
165	B34R_037_037$_{dd}$	0.25	0.0	0.375	0.375	0.375	0.187	311	0.256	0.0	0.375	27.2	21.4	−10.1	23.7	334.6	0.25	0.0	0.255	28.8	25.4	−16.2	30.1	327.5	7.4	311	0.683	0.0	1.0	39.3	57.1	−27.0	63.2	334.6
166	B25R_050_050$_{dd}$	0.25	0.0	0.5	0.5	0.5	0.25	300	0.25	0.0	0.5	27.7	25.0	−16.3	29.9	326.8	0.25	0.0	0.375	29.9	29.6	−22.9	37.4	322.2	8.3	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
167	B19R_062_062$_{dd}$	0.25	0.0	0.625	0.625	0.625	0.312	293	0.239	0.0	0.625	28.2	28.5	−21.9	35.9	322.4	0.25	0.0	0.465	29.5	35.8	−29.5	46.4	320.4	10.6	292	0.383	0.0	1.0	33.2	45.6	−35.0	57.5	322.4
168	B15R_075_075$_{dd}$	0.25	0.0	0.75	0.75	0.75	0.375	289	0.237	0.0	0.75	29.0	32.0	−27.5	42.2	319.2	0.217	0.0	0.547	30.3	38.5	−33.2	50.8	319.2	8.6	288	0.316	0.0	1.0	32.0	42.7	−36.7	56.3	319.2
169	B13R_087_087$_{dd}$	0.25	0.0	0.875	0.875	0.875	0.437	286	0.233	0.0	0.875	29.8	35.3	−33.2	48.5	316.8	0.207	0.003	0.673	31.0	39.8	−37.2	54.5	316.8	6.1	284	0.266	0.0	1.0	31.2	40.4	−37.9	55.4	316.8
170	B11R_100_100$_{dd}$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.233	0.0	1.0	30.9	38.6	−38.9	54.9	314.8	0.235	0.0	1.0	30.9	39.6	−38.3	55.1	315.9	1.1	282	0.233	0.0	1.0	30.9	38.6	−38.9	54.9	314.8
171	R50Y_025_025$_{dd}$	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.125	0.0	32.4	6.0	14.4	15.7	67.1	0.296	0.13	0.029	29.5	2.6	14.0	14.2	79.1	4.4	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
172	R00Y_025_012$_{dd}$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.124	32.5	7.7	3.6	8.5	25.4	0.281	0.155	0.153	28.5	7.0	3.9	8.1	29.1	4.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
173	B50R_025_012$_{dd}$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.25	32.6	8.8	−2.1	9.1	346.2	0.262	0.155	0.205	32.8	12.5	−8.1	15.0	326.9	7.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
174	B25R_037_025$_{dd}$	0.25	0.125	0.375	0.375	0.25	0.25	300	0.25	0.124	0.375	33.1	12.5	−8.1	14.9	326.8	0.258	0.132	0.26	33.5	14.4	−16.2	21.7	311.6	8.3	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
175	B15R_050_037$_{dd}$	0.25	0.125	0.5	0.5	0.375	0.312	289	0.243	0.124	0.5	33.8	16.0	−13.7	21.1	319.2	0.27	0.12	0.348	34.8	19.7	−23.9	31.0	309.4	10.9	288	0.316	0.0	1.0	32.0	42.7	−36.7	56.3	319.2
176	B11R_062_050$_{dd}$	0.25	0.125	0.625	0.625	0.5	0.375	284	0.241	0.125	0.625	34.7	19.3	−19.4	27.4	314.8	0.274	0.121	0.442	37.7	23.1	−30.4	38.2	307.2	11.9	282	0.233	0.0	1.0	30.9	38.6	−38.9	54.9	314.8
177	B09R_075_062$_{dd}$	0.25	0.125	0.75	0.75	0.625	0.437	281	0.239	0.125	0.75	36.2	22.2	−25.3	33.7	311.2	0.271	0.125	0.543	39.4	27.0	−36.3	45.2	306.7	12.3	279	0.183	0.0	1.0	31.1	35.6	−40.6	54.0	311.2
178	B07R_087_075$_{dd}$	0.25	0.125	0.875	0.875	0.75	0.5	279	0.237	0.125	0.875	37.7	25.1	−31.1	40.0	308.9	0.26	0.119	0.648	35.7	33.0	−41.0	52.7	308.8	12.8	278	0.15	0.0	1.0	31.3	33.5	−41.5	53.4	308.9
179	B06R_100_087$_{dd}$	0.25	0.125	1.0	1.0	0.875	0.562	278	0.241	0.125	1.0	39.2	28.4	−36.7	46.5	307.7	0.269	0.136	0.778	35.5	32.5	−41.4	52.6	308.1	7.2	277	0.133	0.0	1.0	31.3	32.5	−42.0	53.1	307.7
180	Y00G_025_025$_{dd}$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.25	0.0	37.4	−1.7	16.5	16.6	96.1	0.282	0.258	0.054	36.1	−3.9	19.5	19.9	101.4	3.8	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
181	Y00G_025_012$_{dd}$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.25	0.124	38.0	−0.8	8.2	8.3	96.1	0.28	0.275	0.14	34.8	−1.2	7.5	7.6	99.5	3.2	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
182	NW_025$_{dd}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	35.0	2.2	−3.2	3.9	304.9	5.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
183	B00R_037_012$_{dd}$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.249	0.375	40.1	3.2	−5.5	6.4	299.9	0.295	0.291	0.292	36.6	5.7	−17.3	18.2	288.3	12.5	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
184	B00R_050_025$_{dd}$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.249	0.5	41.6	6.4	−11.1	12.8	299.9	0.313	0.286	0.352	39.5	9.3	−24.7	26.4	290.6	14.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
185	B00R_062_037$_{dd}$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.25	0.625	43.2	9.6	−16.7	19.2	299.9	0.327	0.287	0.433	42.7	12.7	−29.7	32.3	293.1	13.3	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
186	B00R_075_050$_{dd}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	44.7	12.8	−22.2	25.7	299.9	0.342	0.292	0.53	44.5	17.0	−35.9	39.8	295.3	14.3	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
187	B00R_087_062$_{dd}$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.25	0.875	46.3	16.0	−27.8	32.1	299.9	0.344	0.287	0.642	39.8	23.5	−43.5	49.5	298.3	18.5	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
188	B00R_100_075$_{dd}$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.25	1.0	47.8	19.2	−33.4	38.5	299.9	0.362	0.299	0.765	37.7	24.7	−43.6	50.1	299.6	15.3	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
189	Y31G_037_037$_{dd}$	0.25	0.375	0.0	0.375	0.375	0.187	109	0.256	0.375	0.0	43.8	−7.7	25.0	26.2	107.0	0.298	0.374	0.024	39.5	−9.4	24.1	25.9	111.3	4.6	108	0.683	1.0	0.0	83.4	−20.5	66.8	69.9	107.0
190	Y50G_037_025$_{dd}$	0.25	0.375	0.125	0.375	0.25	0.25	120	0.25	0.375	0.124	42.4	−8.2	12.9	15.3	122.3	0.26	0.378	0.109	42.0	−8.2	10.4	13.3	128.2	2.5	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
191	G00B_037_012$_{dd}$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.249	42.8	−7.4	3.0	8.0	157.6	0.257	0.389	0.209	41.8	−6.1	−1.6	6.3	194.6	4.9	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
192	G50B_037_012$_{dd}$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.375	42.6	−2.8	−5.8	6.5	244.1	0.273	0.357	0.294	42.6	−3.9	−16.8	17.3	256.7	11.0	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
193	G75B_050_025$_{dd}$	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.375	0.5	44.9	−1.2	−13.6	13.7	264.7	0.288	0.372	0.372	44.1	0.1	−24.2	24.2	270.3	10.7	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
194	G84B_062_037$_{dd}$	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.368	0.625	45.4	1.6	−19.7	19.8	274.9	0.291	0.372	0.461	47.1	3.4	−30.0	30.2	276.5	10.5	251	0.0	0.316	1.0	38.1	4.5	−52.7	52.9	274.9
195	G88B_075_050$_{dd}$	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.366	0.75	46.4	4.7	−25.5	26.0	280.4	0.288	0.365	0.56	48.5	5.4	−35.6	36.0	278.7	10.2	257	0.0	0.233	1.0	35.6	9.4	−51.1	52.0	280.4
196	G90B_087_062$_{dd}$	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.364	0.875	48.0	8.2	−31.2	32.2	284.7	0.288	0.356	0.679	46.8	11.2	−46.2	47.6	283.6	15.4	260	0.0	0.183	1.0	35.1	13.1	−49.9	51.6	284.7
197	G92B_100_075$_{dd}$	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.362	1.0	49.6	11.6	−36.7	38.5	287.6	0.318	0.378	0.79	43.8	14.5	−46.4	48.6	287.3	11.7	262	0.0	0.15	1.0	34.8	15.5	−48.9	51.3	287.6
198	Y50G_050_050$_{dd}$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	46.3	−16.4	25.9	30.7	122.3	0.281	0.495	0.037	44.0	−20.1	28.4	34.8	125.3	5.0	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
199	Y68G_050_037$_{dd}$	0.25	0.5	0.125	0.5	0.375	0.312	131	0.243	0.5	0.124	46.1	−16.2	15.5	22.4	136.1	0.252	0.489	0.103	47.1	−16.5	13.1	21.0	141.5	2.6	131	0.316	1.0	0.0	65.0	−43.2	41.5	59.9	136.1
200	G00B_050_025$_{dd}$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.249	47.1	−14.8	6.1	16.0	157.6	0.259	0.503	0.204	45.9	−14.5	1.0	14.6	175.8	5.2	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
201	G25B_050_025$_{dd}$	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.375	47.4	−11.0	−2.8	11.4	194.3	0.27	0.491	0.297	47.2	−9.7	−11.3	14.9	229.3	8.6	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
202	G50B_050_025$_{dd}$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.5	46.6	−5.7	−11.7	13.0	244.1	0.275	0.441	0.369	49.8	−6.8	−24.6	25.5	254.4	13.2	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
203	G65B_062_037$_{dd}$	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.506	0.625	49.9	−4.9	−20.7	21.3	256.4	0.278	0.483	0.478	50.7	−2.6	−30.1	30.3	264.9	9.7	228	0.0	0.683	1.0	50.3	−13.3	−55.2	56.8	256.4
204	G75B_075_050$_{dd}$	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.5	0.75	51.2	−2.5	−27.3	27.4	264.7	0.277	0.494	0.586	52.2	−0.9	−34.6	34.6	268.4	7.5	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
205	G80B_087_062$_{dd}$	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.489	0.875	51.4	0.5	−33.5	33.5	270.8	0.261	0.474	0.722	52.2	1.0	−44.5	44.5	271.3	11.0	247	0.0	0.383	1.0	40.5	0.8	−53.6	53.6	270.8
206	G84B_100_075$_{dd}$	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.487	1.0	52.2	3.3	−39.5	39.7	274.9	0.278	0.476	0.818	45.9	6.7	−48.8	49.3	277.8	11.6	251	0.0	0.316	1.0	38.1	4.5	−52.7	52.9	274.9
207	Y61G_062_062$_{dd}$	0.25	0.625	0.0	0.625	0.625	0.312	127	0.239	0.625	0.0	50.2	−23.6	28.9	37.3	129.2	0.285	0.592	0.037	49.4	−31.1	32.7	45.1	133.5	8.4	127	0.383	1.0	0.0	68.4	−37.7	46.2	59.7	129.2
208	Y76G_062_050$_{dd}$	0.25	0.625	0.125	0.625	0.5	0.375	136	0.241	0.625	0.125	49.7	−24.6	17.4	30.2	144.7	0.233	0.593	0.103	51.9	−24.1	16.3	29.1	145.8	2.5	137	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144.7
209	G00B_062_037$_{dd}$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.25	51.3	−22.3	9.1	24.1	157.6	0.255	0.616	0.203	51.0	−22.4	4.7	22.9	168.0	4.4	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
210	G15B_062_037$_{dd}$	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.368	51.3	−19.3	0.3	19.3	178.9	0.256	0.608	0.292	53.0	−16.8	−7.7	18.5	204.5	8.5	168	0.0	1.0	0.316	54.1	−51.5	0.9	51.5	178.9
211	G34B_062_037$_{dd}$	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.625	0.506	52.0	−13.7	−8.8	16.3	212.7	0.265	0.583	0.382	54.5	−12.9	−19.7	23.6	236.6	11.2	191	0.0	1.0	0.683	55.9	−36.6	−23.5	43.5	212.7
212	G50B_062_037$_{dd}$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.625	50.6	−8.5	−17.6	19.6	244.1	0.265	0.525	0.451	55.1	−8.2	−29.9	31.0	254.5	13.1	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
213	G61B_075_050$_{dd}$	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.633	0.75	54.3	−8.4	−27.0	28.3	252.5	0.255	0.601	0.587	55.9	−5.7	−35.9	36.4	260.8	9.4	222	0.0	0.766	1.0	51.5	−16.9	−54.0	56.6	252.5
214	G69B_087_062$_{dd}$	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.635	0.875	56.7	−6.3	−34.8	35.3	259.6	0.26	0.635	0.732	55.5	−4.0	−42.3	42.5	264.5	7.9	232	0.0	0.616	1.0	49.1	−10.2	−55.6	56.6	259.6
215	G75B_100_075$_{dd}$	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.625	1.0	57.6	−3.7	−41.0	41.1	264.7	0.279	0.639	0.867	53.7	−2.6	−49.7	49.8	266.9	9.6	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
216	Y68G_075_075$_{dd}$	0.25	0.75	0.0	0.75	0.75	0.375	131	0.237	0.75	0.0	53.7	−32.4	31.1	44.9	136.1	0.252	0.689	0.028	57.3	−36.6	37.0	52.1	134.6	8.1	131	0.316	1.0	0.0	65.0	−43.2	41.5	59.9	136.1
217	Y81G_075_062$_{dd}$	0.25	0.75	0.125	0.75	0.625	0.437	139	0.239	0.75	0.125	53.7	−32.3	19.9	37.9	148.3	0.214	0.706	0.098	56.4	−30.2	18.7	35.5	148.2	3.5	140	0.183	1.0	0.0	59.2	−51.7	31.8	60.7	148.3
218	G00B_075_050$_{dd}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	55.6	−29.7	12.2	32.1	157.6	0.227	0.736	0.189	57.3	−27.6	8.4	28.8	162.9	4.6	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
219	G11B_075_050$_{dd}$	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.366	55.4	−26.9	2.9	27.0	173.7	0.224	0.718	0.292	58.6	−24.2	−2.1	24.3	185.1	6.6	162	0.0	1.0	0.233	53.7	−53.8	5.8	54.1	173.7
220	G25B_075_050$_{dd}$	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.5	56.3	−22.1	−5.6	22.8	194.3	0.238	0.703	0.386	59.9	−19.7	−14.3	24.4	216.0	9.7	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
221	G38B_075_050$_{dd}$	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.75	0.633	56.4	−16.4	−14.4	21.9	221.1	0.255	0.672	0.47	60.8	−13.9	−24.4	28.1	240.2	11.2	197	0.0	1.0	0.766	55.8	−32.9	−28.8	43.8	221.1
222	G50B_075_050$_{dd}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	54.6	−11.4	−23.5	26.1	244.1	0.247	0.623	0.545	60.3	−10.9	−35.5	37.2	252.9	13.3	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
223	G59B_087_062$_{dd}$	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.76	0.875	58.2	−11.5	−32.8	34.7	250.6	0.229	0.709	0.702	60.3	−8.3	−41.8	42.6	258.7	9.8	219	0.0	0.816	1.0	51.4	−18.4	−52.4	55.6	250.6
224	G65B_100_075$_{dd}$	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	0.762	1.0	61.3	−9.9	−41.4	42.6	256.4	0.248	0.781	0.866	59.8	−7.8	−49.3	49.9	261.0	8.3	228	0.0	0.683	1.0	50.3	−13.3	−55.2	56.8	256.4
225	Y73G_087_087$_{dd}$	0.25	0.875	0.0	0.875	0.875	0.437	134	0.233	0.875	0.0	57.0	−41.3	32.7	52.7	141.6	0.217	0.775	0.018	62.2	−45.2	38.2	59.2	139.7	8.5	135	0.266	1.0	0.0	62.3	−47.2	37.3	60.2	141.6
226	Y85G_087_075$_{dd}$	0.25	0.875	0.125	0.875	0.75	0.5	141	0.237	0.875	0.125	57.8	−39.9	22.2	45.7	150.8	0.207	0.802	0.102	62.9	−44.5	25.1	51.1	150.5	7.4	142	0.15	1.0	0.0	58.0	−53.2	29.7	60.9	150.8
227	G00B_087_062$_{dd}$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.25	59.9	−37.2	15.2	40.2	157.6	0.236	0.819	0.201	63.4	−40.8	14.1	43.2	160.9	5.2	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
228	G09B_087_062$_{dd}$	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.364	59.6	−34.7	5.8	35.2	170.5	0.218	0.812	0.298	64.6	−36.1	2.6	36.2	175.8	6.0	159	0.0	1.0	0.183	53.6	−55.6	9.2	56.4	170.5
229	G19B_087_062$_{dd}$	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.489	60.1	−30.9	−1.8	31.0	183.4	0.223	0.802	0.382	64.9	−30.8	−10.4	32.5	198.6	9.8	172	0.0	1.0	0.383	54.5	−49.5	−2.9	49.6	183.4
230	G30B_087_062$_{dd}$	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.635	61.0	−24.7	−11.8	27.4	205.6	0.239	0.79	0.485	65.5	−24.7	−20.4	32.0	219.5	9.6	187	0.0	1.0	0.616	55.9	−39.5	−19.0	43.8	205.6
231	G40B_087_062$_{dd}$	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.875	0.76	60.5	−19.9	−20.1	28.2	225.2	0.23	0.771	0.57	63.9	−18.5	−30.8	36.0	239.0	11.3	200	0.0	1.0	0.816	55.1	−31.8	−32.1	45.2	225.2
232	G50B_087_062$_{dd}$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.875	58.6	−14.2	−29.3	32.6	244.1	0.219	0.727	0.659	64.5	−13.6	−41.8	44.0	251.9	13.7	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
233	G57B_100_075$_{dd}$	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	0.887	1.0	62.1	−14.5	−38.5	41.2	249.3	0.23	0.833	0.827	63.4	−9.4	−47.2	48.1	258.7	10.1	217	0.0	0.85	1.0	51.4	−19.3	−51.4	54.9	249.3
234	Y76G_100_100$_{dd}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144.7	0.235	1.0	0.0	61.4	−48.5	35.9	60.3	143.4	1.4	137	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144.7
235	Y86G_100_087$_{dd}$	0.25	1.0	0.125	1.0	0.875	0.562	142	0.241	1.0	0.125	62.1	−47.1	25.0	53.4	152.0	0.219	0.874	0.116	63.0	−43.9	22.7	49.5	152.6	4.0	142	0.133	1.0	0.0	57.5	−53.9	28.6	61.0	152.0
236	G00B_100_075$_{dd}$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.25	64.1	−44.6	18.3	48.2	157.6	0.246	0.874	0.212	61.4	−44.1	14.8	46.6	161.3	4.4	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
237	G07B_100_075$_{dd}$	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.362	63.8	−42.5	8.7	43.4	168.3	0.223	0.874	0.306	61.4	−41.9	6.3	42.4	171.4	3.4	157	0.0	1.0	0.15	53.6	−56.7	11.6	57.9	168.3
238	G15B_100_075$_{dd}$	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.487	64.1	−38.6	0.6	38.6	178.9	0.223	0.874	0.376	62.0	−36.6	−5.4	37.0	188.4	6.8	168	0.0	1.0	0.316	54.1	−51.5	0.9	51.5	178.9
239	G25B_100_075$_{dd}$	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.625	65.1	−33.2	−8.4	34.2	194.3	0.243	0.874	0.485	62.8	−28.9	−19.2	34.7	213.5	11.7	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
240	G34B_100_075$_{dd}$	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	1.0	0.762	65.5	−27.4	−17.6	32.6	212.7	0.245	0.874	0.592	63.7	−24.7	−25.5	35.5	225.9	8.5	191	0.0	1.0	0.683	55.9	−36.6	−23.5	43.5	212.7
241	G42B_100_075$_{dd}$	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	1.0	0.887	64.6	−23.1	−25.7	34.6	228.0	0.269	0.978	0.743	63.4	−19.6	−34.3	39.5	240.2	9.3	202	0.0	1.0	0.85	54.7	−30.9	−34.3	46.2	228.0
242	G50B_100_075$_{dd}$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	1.0	62.6	−17.1	−35.2	39.2	244.1	0.229	0.854	0.79	60.1	−17.0	−44.8	47.9	249.1	9.8	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1

Mean color difference of this page: **delta** **8.4**

1−1032130−F0

RE670−7N, Page 22/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^*$

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 23/33

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

n	HIC*$_{Fdd}$	$rgb_{\_Fdd}$			$ict_{\_Fdd}$			$h_{si\_F,dd}$	$rgb*_{Fdd}$			$LabCh*_{Fdd}$					$rgb'*_{Fdd}$			$LabCh'*_{Fdd}$					$DE'*_{Fdd}$	$h_{siM,dd}$	$rgb*_{Mdd}$			$LabCh*_{Mdd}$				
243	R00Y_037_037$_{dd}$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	29.7	23.1	11.0	25.6	25.4	0.347	0.0	0.041	30.4	26.0	16.3	30.7	32.0	6.1	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
244	R18Y_037_037$_{dd}$	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.118	29.3	23.1	5.2	23.7	12.8	0.335	0.0	0.095	32.1	25.7	4.4	26.1	9.8	3.8	371	1.0	0.0	0.316	44.9	61.7	14.0	63.3	12.8
245	B65R_037_037$_{dd}$	0.375	0.0	0.25	0.375	0.375	0.187	349	0.375	0.0	0.256	29.4	25.1	−1.7	25.2	355.9	0.329	0.0	0.185	31.3	29.9	−4.2	30.2	351.8	5.6	348	1.0	0.0	0.683	45.2	67.0	−4.7	67.2	355.9
246	B50R_037_037$_{dd}$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.375	30.0	26.5	−6.4	27.3	346.2	0.325	0.002	0.254	32.6	35.3	−12.1	37.4	340.9	10.7	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
247	B38R_050_050$_{dd}$	0.375	0.0	0.5	0.5	0.5	0.25	316	0.383	0.0	0.5	30.4	30.2	−11.8	32.4	338.5	0.322	0.0	0.341	31.5	37.9	−17.4	41.8	335.3	9.6	317	0.766	0.0	1.0	40.8	60.4	−23.7	64.9	338.5
248	B30R_062_062$_{dd}$	0.375	0.0	0.625	0.625	0.625	0.312	307	0.385	0.0	0.625	31.3	34.0	−18.5	38.8	331.4	0.332	0.006	0.482	32.1	41.9	−23.4	48.1	330.8	9.3	307	0.616	0.0	1.0	38.0	54.5	−29.7	62.0	331.4
249	B25R_075_075$_{dd}$	0.375	0.0	0.75	0.75	0.75	0.375	300	0.375	0.0	0.75	31.5	37.5	−24.5	44.8	326.8	0.326	0.009	0.594	32.6	44.1	−28.9	52.7	326.7	7.9	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
250	B20R_087_087$_{dd}$	0.375	0.0	0.875	0.875	0.875	0.437	295	0.364	0.0	0.875	32.1	41.0	−30.1	50.9	323.7	0.328	0.006	0.733	33.4	44.9	−32.7	55.5	323.9	4.8	294	0.416	0.0	1.0	33.8	46.9	−34.4	58.2	323.7
251	B18R_100_100$_{dd}$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.366	0.0	1.0	32.9	44.9	−35.4	57.2	321.7	0.368	0.0	1.0	33.0	45.3	−35.2	57.3	322.1	0.4	291	0.366	0.0	1.0	32.9	44.9	−35.4	57.2	321.7
252	R31Y_037_037$_{dd}$	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.118	0.0	35.6	14.3	19.3	24.1	53.4	0.376	0.094	0.01	37.2	10.2	21.6	23.9	64.6	4.9	48	1.0	0.316	0.0	61.6	38.2	51.6	64.3	53.4
253	R00Y_037_025$_{dd}$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.124	35.7	15.4	7.3	17.0	25.4	0.367	0.109	0.143	37.1	13.5	10.2	16.9	36.9	3.7	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
254	R00Y_037_025$_{dd}$	0.375	0.125	0.25	0.375	0.25	0.25	360	0.375	0.124	0.25	35.4	16.1	1.3	16.1	4.7	0.357	0.124	0.207	35.7	18.8	−1.8	18.9	354.3	4.2	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
255	B50R_037_025$_{dd}$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.375	36.0	17.6	−4.3	18.2	346.2	0.354	0.138	0.271	38.0	25.4	−12.5	28.3	333.6	11.4	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
256	B34R_050_037$_{dd}$	0.375	0.125	0.5	0.5	0.375	0.312	311	0.381	0.124	0.5	36.5	21.4	−10.1	23.7	334.6	0.351	0.126	0.337	38.1	27.5	−19.0	33.4	325.3	10.9	311	0.683	0.0	1.0	39.3	57.1	−27.0	63.2	334.6
257	B25R_062_050$_{dd}$	0.375	0.125	0.625	0.625	0.5	0.375	300	0.375	0.125	0.625	37.0	25.0	−16.3	29.9	326.8	0.351	0.119	0.434	38.8	31.6	−25.4	40.5	321.2	11.3	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
258	B19R_075_062$_{dd}$	0.375	0.125	0.75	0.75	0.625	0.437	293	0.364	0.125	0.75	37.5	28.5	−21.9	35.9	322.4	0.357	0.116	0.545	40.8	32.8	−31.2	45.3	316.3	10.8	292	0.383	0.0	1.0	33.2	45.6	−35.0	57.5	322.4
259	B15R_087_075$_{dd}$	0.375	0.125	0.875	0.875	0.75	0.5	289	0.362	0.125	0.875	38.3	32.0	−27.5	42.2	319.2	0.356	0.11	0.658	37.5	40.1	−37.3	54.8	317.0	12.7	288	0.316	0.0	1.0	32.0	42.7	−36.7	56.3	319.2
260	B13R_100_087$_{dd}$	0.375	0.125	1.0	1.0	0.875	0.562	286	0.358	0.125	1.0	39.0	35.3	−33.2	48.5	316.8	0.365	0.113	0.786	37.1	38.9	−38.6	54.8	315.2	6.7	284	0.266	0.0	1.0	31.2	40.4	−37.9	55.4	316.8
261	R68Y_037_037$_{dd}$	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.256	0.0	41.3	4.6	23.3	23.8	78.8	0.397	0.24	0.046	40.7	1.6	28.8	28.8	86.6	6.2	71	1.0	0.683	0.0	76.9	12.2	62.2	63.4	78.8
262	R50Y_037_025$_{dd}$	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.25	0.124	41.6	6.0	14.4	15.7	67.1	0.387	0.232	0.117	42.2	4.3	13.6	14.3	72.3	2.0	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
263	R00Y_037_012$_{dd}$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.249	41.8	7.7	3.6	8.5	25.4	0.375	0.26	0.225	40.9	9.5	0.7	9.6	4.2	3.6	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
264	B50R_037_012$_{dd}$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.375	41.9	8.8	−2.1	9.1	346.2	0.364	0.265	0.281	43.6	14.1	−11.2	18.1	321.5	10.7	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
265	B25R_050_025$_{dd}$	0.375	0.25	0.5	0.5	0.25	0.375	300	0.375	0.249	0.5	42.4	12.5	−8.1	14.9	326.8	0.369	0.249	0.34	43.9	17.5	−19.4	26.2	311.9	12.4	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
266	B15R_062_037$_{dd}$	0.375	0.25	0.625	0.625	0.375	0.437	289	0.368	0.25	0.625	43.1	16.0	−13.7	21.1	319.2	0.374	0.238	0.412	45.2	20.4	−26.2	33.2	307.9	13.3	288	0.316	0.0	1.0	32.0	42.7	−36.7	56.3	319.2
267	B11R_075_050$_{dd}$	0.375	0.25	0.75	0.75	0.5	0.5	284	0.366	0.25	0.75	44.0	19.3	−19.4	27.4	314.8	0.392	0.241	0.513	46.5	22.5	−32.1	39.2	305.0	13.3	282	0.233	0.0	1.0	30.9	38.6	−38.9	54.9	314.8
268	B09R_087_062$_{dd}$	0.375	0.25	0.875	0.875	0.625	0.562	281	0.364	0.25	0.875	45.5	22.2	−25.3	33.7	311.2	0.404	0.249	0.629	43.0	30.2	−39.9	50.0	307.1	16.7	279	0.183	0.0	1.0	31.1	35.6	−40.6	54.0	311.2
269	B07R_100_075$_{dd}$	0.375	0.25	1.0	1.0	0.75	0.625	279	0.362	0.25	1.0	47.0	25.1	−31.1	40.0	308.9	0.422	0.259	0.761	41.5	29.9	−40.6	50.4	306.3	11.9	278	0.15	0.0	1.0	31.3	33.5	−41.5	53.4	308.9
270	Y00G_037_037$_{dd}$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.375	0.0	46.0	−2.6	24.8	25.0	96.1	0.36	0.33	0.053	49.9	−6.0	33.8	34.3	100.0	10.2	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
271	Y00G_037_025$_{dd}$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.375	0.124	46.6	−1.7	16.5	16.6	96.1	0.354	0.335	0.127	51.0	−3.5	20.6	20.9	99.8	6.2	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
272	Y00G_037_012$_{dd}$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.375	0.249	47.2	−0.8	8.2	8.3	96.1	0.352	0.353	0.205	50.2	−0.3	4.8	4.8	94.6	4.5	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
273	NW_037$_{dd}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	50.9	4.5	−7.3	8.6	301.7	9.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
274	B00R_050_012$_{dd}$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.375	0.5	49.4	3.2	−5.5	6.4	299.9	0.363	0.367	0.346	48.7	7.7	−18.9	20.5	292.1	14.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
275	B00R_062_025$_{dd}$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.375	0.625	50.9	6.4	−11.1	12.8	299.9	0.401	0.385	0.428	50.4	10.5	−25.6	27.7	292.3	15.0	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
276	B00R_075_037$_{dd}$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.375	0.75	52.4	9.6	−16.7	19.2	299.9	0.438	0.4	0.515	51.6	13.4	−31.3	34.0	293.1	15.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
277	B00R_087_050$_{dd}$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.375	0.875	54.0	12.8	−22.2	25.7	299.9	0.457	0.414	0.619	49.7	20.4	−41.4	46.2	296.2	21.0	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
278	B00R_100_062$_{dd}$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.375	1.0	55.5	16.0	−27.8	32.1	299.9	0.475	0.415	0.751	46.6	21.5	−42.5	47.6	296.8	18.0	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
279	Y23G_050_050$_{dd}$	0.375	0.5	0.0	0.5	0.5	0.25	104	0.383	0.5	0.0	54.2	−7.1	36.9	37.6	100.8	0.442	0.495	0.035	49.6	−10.2	38.5	39.9	104.8	5.7	102	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100.8
280	Y31G_050_037$_{dd}$	0.375	0.5	0.125	0.5	0.375	0.312	109	0.381	0.5	0.124	53.0	−7.7	25.0	26.2	107.0	0.377	0.462	0.096	55.4	−9.2	21.8	23.6	112.9	4.2	108	0.683	1.0	0.0	83.4	−20.5	66.8	69.9	107.0
281	Y50G_050_025$_{dd}$	0.375	0.5	0.25	0.5	0.25	0.375	120	0.375	0.5	0.249	51.7	−8.2	12.9	15.3	122.3	0.344	0.466	0.179	55.0	−6.7	7.0	9.7	133.5	6.9	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
282	G00B_050_012$_{dd}$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.375	52.1	−7.4	3.0	8.0	157.6	0.342	0.487	0.272	55.2	−3.3	−5.0	6.0	236.6	9.6	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
283	G50B_050_012$_{dd}$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.5	51.8	−2.8	−5.8	6.5	244.1	0.347	0.46	0.359	56.0	−0.9	−17.7	17.7	267.0	12.7	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
284	G75B_062_025$_{dd}$	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.5	0.625	54.2	−1.2	−13.6	13.7	264.7	0.364	0.483	0.452	55.2	1.6	−25.3	25.4	273.6	12.1	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
285	G84B_075_037$_{dd}$	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.493	0.75	54.6	1.6	−19.7	19.8	274.9	0.38	0.477	0.534	56.3	3.9	−30.6	30.9	277.2	11.2	251	0.0	0.316	1.0	38.1	4.5	−52.7	52.9	274.9
286	G88B_087_050$_{dd}$	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.491	0.875	55.6	4.7	−25.5	26.0	280.4	0.4	0.485	0.647	57.0	8.5	−41.5	42.3	281.5	16.4	257	0.0	0.233	1.0	35.6	9.4	−51.1	52.0	280.4
287	G90B_100_062$_{dd}$	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.489	1.0	57.3	8.2	−31.2	32.2	284.7	0.419	0.49	0.77	51.9	12.8	−43.8	45.6	286.3	14.4	260	0.0	0.183	1.0	35.1	13.1	−49.9	51.6	284.7
288	Y38G_062_062$_{dd}$	0.375	0.625	0.0	0.625	0.625	0.312	113	0.385	0.625	0.0	56.8	−15.7	37.5	40.7	112.7	0.411	0.625	0.035	53.1	−18.8	39.4	43.7	115.5	5.1	112	0.616	1.0	0.0	79.0	−25.2	60.0	65.1	112.7
289	Y50G_062_050$_{dd}$	0.375	0.625	0.125	0.625	0.5	0.375	120	0.375	0.625	0.125	55.6	−16.4	25.9	30.7	122.3	0.353	0.591	0.093	59.4	−16.0	23.9	28.8	123.7	4.3	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
290	Y68G_062_037$_{dd}$	0.375	0.625	0.25	0.625	0.375	0.437	131	0.368	0.625	0.25	55.4	−16.2	15.5	22.4	136.1	0.332	0.588	0.173	59.2	−14.9	10.7	18.4	144.3	6.2	131	0.316	1.0	0.0	65.0	−43.2	41.5	59.9	136.1
291	G00B_062_025$_{dd}$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.375	56.4	−14.8	6.1	16.0	157.6	0.341	0.601	0.273	60.2	−11.9	−2.3	12.1	191.2	9.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
292	G25B_062_025$_{dd}$	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.5	56.7	−11.0	−2.8	11.4	194.3	0.345	0.585	0.359	60.6	−6.9	−13.2	14.9	242.2	11.8	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
293	G50B_062_025$_{dd}$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.625	55.8	−5.7	−11.7	13.0	244.1	0.351	0.542	0.442	61.9	−5.3	−24.5	25.1	257.6	14.1	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
294	G65B_075_037$_{dd}$	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.631	0.75	59.2	−4.9	−20.7	21.3	256.4	0.362	0.593	0.568	61.7	−2.3	−32.6	32.7	265.8	12.4	228	0.0	0.683	1.0	50.3	−13.3	−55.2	56.8	256.4
295	G75B_087_050$_{dd}$	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.625	0.875	60.5	−2.5	−27.3	27.4	264.7	0.379	0.594	0.669	61.6	0.0	−38.0	38.0	269.9	11.0	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
296	G80B_100_062$_{dd}$	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.614	1.0	60.7	0.5	−33.5	33.5	270.8	0.384	0.591	0.781	57.0	2.8	−45.6	45.7	273.5	12.8	247	0.0	0.383	1.0	40.5	0.8	−53.6	53.6	270.8
297	Y50G_075_075$_{dd}$	0.375	0.75	0.0	0.75	0.75	0.375	120	0.375	0.75	0.0	59.4	−24.6	38.9	46.1	122.3	0.365	0.712	0.023	61.6	−26.2	44.2	51.4	120.7	5.9	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
298	Y61G_075_062$_{dd}$	0.375	0.75	0.125	0.75	0.625	0.437	127	0.364	0.75	0.125	59.5	−23.6	28.9	37.3	129.2	0.347	0.697	0.087	64.3	−24.6	26.8	36.5	132.5	5.3	127	0.383	1.0	0.0	68.4	−37.7	46.2	59.7	129.2
299	Y76G_075_050$_{dd}$	0.375	0.75	0.25	0.75	0.5	0.5	136	0.366	0.75	0.25	59.0	−24.6	17.4	30.2	144.7	0.312	0.713	0.173	63.9	−22.8	13.9	26.8	148.6	6.3	137	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144.7
300	G00B_075_037$_{dd}$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.375	60.6	−22.3	9.1	24.1	157.6	0.332	0.721	0.274	64.7	−19.0	1.6	19.0	175.0	9.1	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
301	G15B_075_037$_{dd}$	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.493	60.6	−19.3	0.3	19.3	178.9	0.327	0.71	0.359	65.9	−14.3	−8.9	16.9	211.8	11.7	168	0.0	1.0	0.316	54.1	−51.5	0.9	51.5	178.9
302	G34B_075_037$_{dd}$	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.75	0.631	61.3	−13.7	−8.8	16.3	212.7	0.343	0.685	0.457	66.2	−10.8	−20.8	23.5	242.6	13.3	191	0.0	1.0	0.683	55.9	−36.6	−23.5	43.5	212.7
303	G50B_075_037$_{dd}$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.75	59.9	−8.5	−17.6	19.6	244.1	0.343	0.636	0.536	66.6	−7.7	−32.2	33.2	256.4	16.1	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
304	G61B_087_050$_{dd}$	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.758	0.875	63.6	−8.4	−27.0	28.3	252.5	0.349	0.706	0.672	66.7	−4.8	−38.8	39.1	262.8	12.7	222	0.0	0.766	1.0	51.5	−16.9	−54.0	56.6	252.5
305	G69B_100_062$_{dd}$	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	0.76	1.0	66.0	−6.3	−34.8	35.3	259.6	0.372	0.737	0.795	65.5	−4.3	−44.6	44.8	264.4	10.0	232	0.0	0.616	1.0	49.1	−10.2	−55.6	56.6	259.6
306	Y58G_087_087$_{dd}$	0.375	0.875	0.0	0.875	0.875	0.437	125	0.364	0.875	0.0	63.4	−31.9	41.9	52.7	127.2	0.347	0.813	0.012	66.6	−32.1	46.2	56.3	124.8	5.4	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
307	Y68G_087_075$_{dd}$	0.375	0.875	0.125	0.875	0.75	0.5	131	0.362	0.875	0.125	63.0	−32.4	31.1	44.9	136.1	0.324	0.804	0.086	69.3	−33.3	32.4	46.5	135.7	6.4	131	0.316	1.0	0.0	65.0	−43.2	41.5	59.9	136.1
308	Y81G_087_062$_{dd}$	0.375	0.875	0.25	0.875	0.625	0.562	139	0.364	0.875	0.25	63.0	−32.3	19.9	37.9	148.3	0.308	0.811	0.182	69.0	−30.5	16.6	34.8	151.4	7.0	140	0.183	1.0	0.0	59.2	−51.7	31.8	60.7	148.3
309	G00B_087_050$_{dd}$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.375	64.9	−29.7	12.2	32.1	157.6	0.33	0.822	0.273	70.3	−28.7	6.9	29.5	166.3	7.6	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
310	G11B_087_050$_{dd}$	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.491	64.7	−26.9	2.9	27.0	173.7	0.317	0.811	0.37	71.1	−24.9	−3.9	25.2	189.0	9.6	162	0.0	1.0	0.233	53.7	−53.8	5.8	54.1	173.7
311	G25B_087_050$_{dd}$	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.625	65.5	−22.1	−5.6	22.8	194.3	0.33	0.801	0.464	71.0	−19.9	−14.7	24.7	216.5	10.8	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
312	G38B_087_050$_{dd}$	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.875	0.758	65.7	−16.4	−14.4	21.9	221.1	0.341	0.78	0.558	70.6	−15.1	−26.8	30.8	240.5	13.3	197	0.0	1.0	0.766	55.8	−32.9	−28.8	43.8	221.1
313	G50B_087_050$_{dd}$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.875	63.9	−11.4	−23.5	26.1	244.1	0.328	0.741	0.635	70.7	−9.5	−39.2	40.4	256.3	17.2	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
314	G59B_100_062$_{dd}$	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	0.885	1.0	67.5	−11.5	−32.8	34.7	250.6	0.348	0.821	0.785	69.8	−6.4	−43.2	43.7	261.4	11.8	219	0.0	0.816	1.0	51.4	−18.4	−52.4	55.6	250.6
315	Y63G_100_100$_{dd}$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.366	1.0	0.0	67.6	−38.8	45.2	59.6	130.6	0.367	1.0	0.0	68.1	−38.1	45.8	59.6	129.7	1.0	128	0.366	1.0	0.0	67.6	−38.8	45.2	59.6	130.6
316	Y73G_100_087$_{dd}$	0.375	1.0	0.125	1.0	0.875	0.562	134	0.358	1.0	0.125	66.3	−41.3	32.7	52.7	141.6	0.306	0.874	0.093	67.9	−37.6	34.0	50.7	137.8	4.2	135	0.266	1.0	0.0	62.3	−47.2	37.3	60.2	141.6
317	Y85G_100_075$_{dd}$	0.375	1.0	0.25	1.0	0.75	0.625	141	0.362	1.0	0.25	67.1	−39.9	22.2	45.7	150.8	0.308	0.874	0.194	69.0	−33.8	18.5	38.5	151.2	7.3	142	0.15	1.0	0.0	58.0	−53.2	29.7	60.9	150.8
318	G00B_100_062$_{dd}$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.375	69.1	−37.2	15.2	40.2	157.6	0.334	0.874	0.25	68.5	−32.9	11.2	34.7	161.1	5.9	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
319	G09B_100_062$_{dd}$	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.489	68.9	−34.7	5.8	35.2	170.5	0.314	0.874	0.376	69.3	−29.5	1.9	29.5	176.3	6.5	159	0.0	1.0	0.183	53.6	−55.6	9.2	56.4	170.5
320	G19B_100_062$_{dd}$	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.614	69.4	−30.9	−1.8	31.0	183.4	0.323	0.874	0.46	69.9	−24.4	−11.3	26.9	204.9	11.5	172	0.0	1.0	0.383	54.5	−49.5	−2.9	49.6	183.4
321	G30B_100_062$_{dd}$	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.76	70.3	−24.7	−11.8	27.4	205.6	0.375	1.0	0.625	69.7	−19.6	−23.3	30.5	229.9	12.5	187	0.0	1.0	0.616	55.9	−39.5	−19.0	43.8	205.6
322	G40B_100_062$_{dd}$	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	1.0	0.885	69.8	−19.9	−20.1	28.2	225.2	0.366	0.939	0.693	69.7	−16.2	−29.8	33.9	241.4	10.3	200	0.0	1.0	0.816	55.1	−31.8	−32.1	45.2	225.2
323	G50B_100_062$_{dd}$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	1.0	67.9	−14.2	−29.3	32.6	244.1	0.342	0.845	0.752	68.7	−10.9	−40.9	42.4	255.0	12.0	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
																	Mean color difference of this page:							**delta**	**9.5**									

1−1032230−F0

RE670−7N, Page 23/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

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

1−1032230−F0

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 24/33

n	HIC^*_{Fdd}	$rgb_{\_Fdd}$			$ict_{\_Fdd}$			$h_{si\_F,dd}$	rgb^*_{Fdd}			$LabCh^*_{Fdd}$					rgb'^*_{Fdd}			$LabCh'^*_{Fdd}$					DE'^*_{Fdd}	$h_{siM,dd}$	rgb^*_{Mdd}			$LabCh^*_{Mdd}$				
324	R00Y_050_050$_{dd}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.9	30.8	14.6	34.1	25.4	0.457	0.01	0.057	32.3	36.8	20.7	42.3	29.3	8.5	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
325	R26Y_050_050$_{dd}$	0.5	0.0	0.125	0.5	0.5	0.25	376	0.5	0.0	0.116	32.6	30.5	9.1	31.9	16.7	0.439	0.0	0.103	34.2	33.7	10.3	35.3	17.0	3.7	377	1.0	0.0	0.233	45.2	61.1	18.3	63.8	16.7
326	R00Y_050_050$_{dd}$	0.5	0.0	0.25	0.5	0.5	0.25	360	0.5	0.0	0.25	32.2	32.2	2.6	32.3	4.7	0.435	0.0	0.183	33.5	35.9	0.8	35.9	1.2	4.3	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
327	B61R_050_050$_{dd}$	0.5	0.0	0.375	0.5	0.5	0.25	344	0.5	0.0	0.383	32.7	34.2	−4.5	34.5	352.4	0.436	0.003	0.293	33.8	40.7	−7.4	41.4	349.5	7.2	342	1.0	0.0	0.766	45.5	68.4	−9.1	69.0	352.4
328	B50R_050_050$_{dd}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	33.4	35.3	−8.6	36.4	346.2	0.426	0.012	0.351	33.8	44.2	−13.5	46.2	343.0	10.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
329	B40R_062_062$_{dd}$	0.5	0.0	0.625	0.625	0.625	0.312	319	0.51	0.0	0.625	33.6	39.0	−14.1	41.5	340.0	0.441	0.017	0.471	34.4	46.1	−19.1	49.9	337.4	8.6	320	0.816	0.0	1.0	41.8	62.5	−22.6	66.5	340.0
330	B34R_075_075$_{dd}$	0.5	0.0	0.75	0.75	0.75	0.375	311	0.512	0.0	0.75	34.5	42.8	−20.2	47.4	334.6	0.455	0.02	0.608	34.8	48.2	−25.8	54.7	331.8	7.7	311	0.683	0.0	1.0	39.3	57.1	−27.0	63.2	334.6
331	B29R_087_087$_{dd}$	0.5	0.0	0.875	0.875	0.875	0.437	305	0.51	0.0	0.875	35.1	46.6	−26.7	53.7	330.1	0.475	0.012	0.754	35.8	50.0	−30.0	58.4	328.9	4.8	305	0.583	0.0	1.0	37.3	53.2	−30.6	61.4	330.1
332	B25R_100_100$_{dd}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8	0.501	0.0	0.999	35.4	50.1	−32.6	59.8	326.8	0.0	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
333	R23Y_050_050$_{dd}$	0.5	0.125	0.0	0.5	0.5	0.25	44	0.5	0.116	0.0	38.8	22.7	24.3	33.3	47.0	0.518	0.12	0.032	38.4	20.6	27.6	34.5	53.2	3.8	42	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47.0
334	R00Y_050_037$_{dd}$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.124	39.0	23.1	11.0	25.6	25.4	0.504	0.117	0.159	39.6	21.4	14.1	25.7	33.3	3.6	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
335	R18Y_050_037$_{dd}$	0.5	0.125	0.25	0.5	0.375	0.312	371	0.5	0.124	0.243	38.6	23.1	5.2	23.7	12.8	0.497	0.129	0.223	38.2	24.3	2.9	24.5	6.8	2.6	371	1.0	0.0	0.316	44.9	61.7	14.0	63.3	12.8
336	B65R_050_037$_{dd}$	0.5	0.125	0.375	0.5	0.375	0.312	349	0.5	0.124	0.381	38.7	25.1	−1.7	25.2	355.9	0.487	0.131	0.305	39.4	28.4	−6.7	29.2	346.5	6.0	348	1.0	0.0	0.683	45.2	67.0	−4.7	67.2	355.9
337	B50R_050_037$_{dd}$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.5	39.3	26.5	−6.4	27.3	346.2	0.477	0.134	0.359	40.0	34.8	−14.7	37.8	337.0	11.7	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
338	B38R_062_050$_{dd}$	0.5	0.125	0.625	0.625	0.5	0.375	316	0.508	0.125	0.625	39.7	30.2	−11.8	32.4	338.5	0.477	0.131	0.441	40.4	38.3	−20.6	43.5	331.7	11.9	317	0.766	0.0	1.0	40.8	60.4	−23.7	64.9	338.5
339	B30R_075_062$_{dd}$	0.5	0.125	0.75	0.75	0.625	0.437	307	0.51	0.125	0.75	40.5	34.0	−18.5	38.8	331.4	0.477	0.138	0.561	42.0	40.0	−25.9	47.7	327.0	9.6	307	0.616	0.0	1.0	38.0	54.5	−29.7	62.0	331.4
340	B25R_087_075$_{dd}$	0.5	0.125	0.875	0.875	0.75	0.5	300	0.5	0.125	0.875	40.8	37.5	−24.5	44.8	326.8	0.471	0.124	0.686	40.0	45.5	−33.9	56.8	323.2	12.3	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
341	B20R_100_087$_{dd}$	0.5	0.125	1.0	1.0	0.875	0.562	295	0.489	0.125	1.0	41.4	41.0	−30.1	50.9	323.7	0.488	0.134	0.804	38.5	43.2	−36.0	56.2	320.2	6.8	294	0.416	0.0	1.0	33.8	46.9	−34.4	58.2	323.7
342	R50Y_050_050$_{dd}$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.25	0.0	44.7	12.1	28.9	31.4	67.1	0.543	0.254	0.041	43.0	9.0	32.3	33.5	74.3	4.9	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
343	R31Y_050_037$_{dd}$	0.5	0.25	0.125	0.5	0.375	0.312	49	0.5	0.243	0.124	44.9	14.3	19.3	24.1	53.4	0.526	0.223	0.113	46.0	10.3	18.2	20.9	60.3	4.2	48	1.0	0.316	0.0	61.6	38.2	51.6	64.3	53.4
344	R00Y_050_025$_{dd}$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.249	45.0	15.4	7.3	17.0	25.4	0.525	0.246	0.244	44.5	13.8	5.9	15.0	23.0	2.1	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
345	R00Y_050_025$_{dd}$	0.5	0.25	0.375	0.5	0.25	0.375	360	0.5	0.249	0.375	44.7	16.1	1.3	16.1	4.7	0.502	0.246	0.302	45.5	18.3	−5.0	19.0	344.6	6.8	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
346	B50R_050_025$_{dd}$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.5	45.2	17.6	−4.3	18.2	346.2	0.494	0.25	0.363	47.5	23.1	−14.7	27.4	327.5	12.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
347	B34R_062_037$_{dd}$	0.5	0.25	0.625	0.625	0.375	0.437	311	0.506	0.25	0.625	45.8	21.4	−10.1	23.7	334.6	0.496	0.24	0.438	46.7	27.6	−21.2	34.8	322.5	12.7	311	0.683	0.0	1.0	39.3	57.1	−27.0	63.2	334.6
348	B25R_075_050$_{dd}$	0.5	0.25	0.75	0.75	0.5	0.5	300	0.5	0.25	0.75	46.2	25.0	−16.3	29.9	326.8	0.493	0.235	0.525	47.6	29.3	−27.2	40.0	317.0	11.8	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
349	B19R_087_062$_{dd}$	0.5	0.25	0.875	0.875	0.625	0.562	293	0.489	0.25	0.875	46.8	28.5	−21.9	35.9	322.4	0.506	0.246	0.641	46.1	36.3	−36.5	51.5	314.8	16.5	292	0.383	0.0	1.0	33.2	45.6	−35.0	57.5	322.4
350	B15R_100_075$_{dd}$	0.5	0.25	1.0	1.0	0.75	0.625	289	0.487	0.25	1.0	47.6	32.0	−27.5	42.2	319.2	0.521	0.24	0.765	43.6	35.5	−37.9	51.9	313.1	11.6	288	0.316	0.0	1.0	32.0	42.7	−36.7	56.3	319.2
351	R76Y_050_050$_{dd}$	0.5	0.375	0.0	0.5	0.5	0.25	76	0.5	0.383	0.0	50.5	2.8	30.7	30.8	84.6	0.521	0.38	0.07	46.8	1.3	38.0	38.0	87.9	8.3	77	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84.6
352	R68Y_050_037$_{dd}$	0.5	0.375	0.125	0.5	0.375	0.312	71	0.5	0.381	0.124	50.6	4.6	23.3	23.8	78.8	0.505	0.345	0.119	52.3	2.5	24.0	24.1	83.8	2.7	71	1.0	0.683	0.0	76.9	12.2	62.2	63.4	78.8
353	R50Y_050_025$_{dd}$	0.5	0.375	0.25	0.5	0.25	0.375	60	0.5	0.375	0.249	50.9	6.0	14.4	15.7	67.1	0.509	0.355	0.206	51.9	5.2	10.1	11.4	62.8	4.4	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
354	R00Y_050_012$_{dd}$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	51.1	7.7	3.6	8.5	25.4	0.496	0.363	0.307	51.7	9.3	−3.1	9.8	341.1	7.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
355	B50R_050_012$_{dd}$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.5	51.2	8.8	−2.1	9.1	346.2	0.486	0.367	0.36	53.5	14.0	−13.7	19.6	315.7	12.9	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
356	B25R_062_025$_{dd}$	0.5	0.375	0.625	0.625	0.25	0.5	300	0.5	0.375	0.625	51.7	12.5	−8.1	14.9	326.8	0.499	0.359	0.432	53.1	18.5	−20.9	27.9	311.5	14.1	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
357	B15R_075_037$_{dd}$	0.5	0.375	0.75	0.75	0.375	0.562	289	0.493	0.375	0.75	52.3	16.0	−13.7	21.1	319.2	0.503	0.35	0.501	54.3	20.0	−26.6	33.3	306.9	13.6	288	0.316	0.0	1.0	32.0	42.7	−36.7	56.3	319.2
358	B11R_087_050$_{dd}$	0.5	0.375	0.875	0.875	0.5	0.625	284	0.491	0.375	0.875	53.3	19.3	−19.4	27.4	314.8	0.52	0.368	0.61	52.3	26.4	−38.1	46.4	304.7	20.0	282	0.233	0.0	1.0	30.9	38.6	−38.9	54.9	314.8
359	B09R_100_062$_{dd}$	0.5	0.375	1.0	1.0	0.625	0.687	281	0.489	0.375	1.0	54.8	22.2	−25.3	33.7	311.2	0.538	0.368	0.749	49.9	26.0	−39.5	47.2	303.3	15.3	279	0.183	0.0	1.0	31.1	35.6	−40.6	54.0	311.2
360	Y00G_050_050$_{dd}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	54.7	−3.5	33.1	33.3	96.1	0.477	0.46	0.066	56.2	−5.6	45.0	45.3	97.1	12.1	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
361	Y00G_050_037$_{dd}$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.5	0.124	55.3	−2.6	24.8	25.0	96.1	0.462	0.442	0.123	59.9	−3.9	27.9	28.2	98.0	5.6	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
362	Y00G_050_025$_{dd}$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.5	0.249	55.9	−1.7	16.5	16.6	96.1	0.462	0.455	0.197	60.0	−1.3	13.7	13.8	95.7	5.0	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
363	Y00G_050_012$_{dd}$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.5	0.375	56.5	−0.8	8.2	8.3	96.1	0.459	0.47	0.273	59.9	2.1	−0.4	2.1	348.2	9.8	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
364	NW_050$_{dd}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	59.6	5.7	−9.5	11.2	301.0	11.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
365	B00R_062_012$_{dd}$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.5	0.625	58.6	3.2	−5.5	6.4	299.9	0.481	0.494	0.43	60.1	9.2	−20.7	22.7	293.9	16.4	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
366	B00R_075_025$_{dd}$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.5	0.75	60.2	6.4	−11.1	12.8	299.9	0.51	0.506	0.522	60.3	11.6	−26.6	29.1	293.5	16.4	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
367	B00R_087_037$_{dd}$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.5	0.875	61.7	9.6	−16.7	19.2	299.9	0.538	0.511	0.594	60.6	16.8	−37.5	41.2	294.1	22.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
368	B00R_100_050$_{dd}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	63.3	12.8	−22.2	25.7	299.9	0.562	0.52	0.701	55.4	17.9	−40.2	44.1	294.0	20.3	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
369	Y18G_062_062$_{dd}$	0.5	0.625	0.0	0.625	0.625	0.312	101	0.51	0.625	0.0	63.5	−7.8	46.8	47.4	99.4	0.55	0.618	0.036	60.2	−9.8	48.6	49.5	101.4	4.3	99	0.816	1.0	0.0	89.6	−12.4	74.8	75.9	99.4
370	Y23G_062_050$_{dd}$	0.5	0.625	0.125	0.625	0.5	0.375	104	0.508	0.625	0.125	63.4	−7.1	36.9	37.6	100.8	0.526	0.598	0.094	64.6	−8.5	32.2	33.3	104.8	5.1	102	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100.8
371	Y31G_062_037$_{dd}$	0.5	0.625	0.25	0.625	0.375	0.437	109	0.506	0.625	0.25	62.3	−7.7	25.0	26.2	107.0	0.479	0.583	0.165	65.4	−7.2	18.1	19.5	111.7	7.6	108	0.683	1.0	0.0	83.4	−20.5	66.8	69.9	107.0
372	Y50G_062_025$_{dd}$	0.5	0.625	0.375	0.625	0.25	0.5	120	0.5	0.625	0.375	61.0	−8.2	12.9	15.3	122.3	0.445	0.581	0.254	65.8	−4.0	3.8	5.6	136.9	11.1	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
373	G00B_062_012$_{dd}$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.5	61.4	−7.4	3.0	8.0	157.6	0.433	0.596	0.345	67.0	−1.2	−8.3	8.4	261.2	14.1	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
374	G50B_062_012$_{dd}$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.625	61.1	−2.8	−5.8	6.5	244.1	0.444	0.57	0.436	67.3	1.6	−21.1	21.2	274.3	17.1	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
375	G75B_075_025$_{dd}$	0.5	0.625	0.75	0.75	0.25	0.625	240	0.5	0.625	0.75	63.4	−1.2	−13.6	13.7	264.7	0.456	0.597	0.533	67.2	4.0	−26.5	26.8	278.7	14.3	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
376	G84B_087_037$_{dd}$	0.5	0.625	0.875	0.875	0.375	0.687	251	0.5	0.618	0.875	63.9	1.6	−19.7	19.8	274.9	0.473	0.587	0.601	66.9	6.6	−34.9	35.5	280.8	16.2	251	0.0	0.316	1.0	38.1	4.5	−52.7	52.9	274.9
377	G88B_100_050$_{dd}$	0.5	0.625	1.0	1.0	0.5	0.75	256	0.5	0.616	1.0	64.9	4.7	−25.5	26.0	280.4	0.489	0.591	0.715	62.2	9.3	−40.7	41.8	282.8	16.0	257	0.0	0.233	1.0	35.6	9.4	−51.1	52.0	280.4
378	Y31G_075_075$_{dd}$	0.5	0.75	0.0	0.75	0.75	0.375	109	0.512	0.75	0.0	67.5	−15.4	50.1	52.4	107.0	0.513	0.731	0.027	67.5	−17.2	53.1	55.9	107.9	3.5	108	0.683	1.0	0.0	83.4	−20.5	66.8	69.9	107.0
379	Y38G_075_062$_{dd}$	0.5	0.75	0.125	0.75	0.625	0.437	113	0.51	0.75	0.125	66.1	−15.7	37.5	40.7	112.7	0.475	0.705	0.101	69.5	−16.7	39.5	42.9	113.0	4.0	112	0.616	1.0	0.0	79.0	−25.2	60.0	65.1	112.7
380	Y50G_075_050$_{dd}$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	64.9	−16.4	25.9	30.7	122.3	0.44	0.694	0.169	69.6	−14.9	22.0	26.6	124.2	6.3	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
381	Y68G_075_037$_{dd}$	0.5	0.75	0.375	0.75	0.375	0.562	131	0.493	0.75	0.375	64.7	−16.2	15.5	22.4	136.1	0.43	0.699	0.256	70.9	−12.8	8.3	15.3	147.0	10.1	131	0.316	1.0	0.0	65.0	−43.2	41.5	59.9	136.1
382	G00B_075_025$_{dd}$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.5	65.6	−14.8	6.1	16.0	157.6	0.428	0.711	0.347	70.7	−8.3	−4.1	9.2	206.3	13.1	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
383	G25B_075_025$_{dd}$	0.5	0.75	0.625	0.75	0.25	0.625	180	0.5	0.75	0.625	66.0	−11.0	−2.8	11.4	194.3	0.432	0.701	0.44	71.7	−4.7	−15.3	16.0	252.7	15.1	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
384	G50B_075_025$_{dd}$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.75	65.1	−5.7	−11.7	13.0	244.1	0.438	0.657	0.523	73.1	−2.5	−27.8	27.9	264.8	18.2	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
385	G65B_087_037$_{dd}$	0.5	0.75	0.875	0.875	0.375	0.687	229	0.5	0.756	0.875	68.5	−4.9	−20.7	21.3	256.4	0.453	0.714	0.645	72.1	−0.3	−34.2	34.2	269.4	14.7	228	0.0	0.683	1.0	50.3	−13.3	−55.2	56.8	256.4
386	G75B_100_050$_{dd}$	0.5	0.75	1.0	1.0	0.5	0.75	240	0.5	0.75	1.0	69.8	−2.5	−27.3	27.4	264.7	0.468	0.714	0.732	68.6	0.5	−41.3	41.3	270.7	14.4	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
387	Y41G_087_087$_{dd}$	0.5	0.875	0.0	0.875	0.875	0.437	115	0.51	0.875	0.0	70.0	−24.1	50.6	56.1	115.4	0.474	0.838	0.019	72.3	−24.4	55.3	60.4	113.8	5.2	114	0.583	1.0	0.0	77.1	−27.5	57.8	64.1	115.4
388	Y50G_087_075$_{dd}$	0.5	0.875	0.125	0.875	0.75	0.5	120	0.5	0.875	0.125	68.7	−24.6	38.9	46.1	122.3	0.439	0.81	0.093	74.4	−23.7	42.3	48.5	119.2	6.6	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
389	Y61G_087_062$_{dd}$	0.5	0.875	0.25	0.875	0.625	0.562	127	0.489	0.875	0.25	68.8	−23.6	28.9	37.3	129.2	0.436	0.802	0.171	73.7	−22.9	23.4	32.7	134.4	7.4	127	0.383	1.0	0.0	68.4	−37.7	46.2	59.7	129.2
390	Y76G_087_050$_{dd}$	0.5	0.875	0.375	0.875	0.5	0.625	136	0.491	0.875	0.375	68.3	−24.6	17.4	30.2	144.7	0.414	0.817	0.252	74.0	−21.5	11.3	24.3	152.2	8.9	137	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144.7
391	G00B_087_037$_{dd}$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.5	69.9	−22.3	9.1	24.1	157.6	0.43	0.823	0.353	75.4	−18.9	1.1	19.0	176.6	10.3	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
392	G15B_087_037$_{dd}$	0.5	0.875	0.625	0.875	0.375	0.687	169	0.5	0.875	0.618	69.9	−19.3	0.3	19.3	178.9	0.423	0.813	0.445	76.7	−14.7	−9.6	17.5	213.1	12.9	168	0.0	1.0	0.316	54.1	−51.5	0.9	51.5	178.9
393	G34B_087_037$_{dd}$	0.5	0.875	0.75	0.875	0.375	0.687	191	0.5	0.875	0.756	70.6	−13.7	−8.8	16.3	212.7	0.442	0.797	0.549	76.2	−10.1	−22.7	24.9	246.0	15.4	191	0.0	1.0	0.683	55.9	−36.6	−23.5	43.5	212.7
394	G50B_087_037$_{dd}$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.875	69.1	−8.5	−17.6	19.6	244.1	0.437	0.757	0.621	76.2	−5.0	−35.6	36.0	261.9	19.6	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
395	G61B_100_050$_{dd}$	0.5	0.875	1.0	1.0	0.5	0.75	224	0.5	0.883	1.0	72.9	−8.4	−27.0	28.3	252.5	0.458	0.822	0.757	73.6	−3.3	−39.8	40.0	265.2	13.8	222	0.0	0.766	1.0	51.5	−16.9	−54.0	56.6	252.5
396	Y50G_100_100$_{dd}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3	0.501	0.999	0.0	72.6	−32.8	51.9	61.5	122.3	0.0	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
397	Y58G_100_087$_{dd}$	0.5	1.0	0.125	1.0	0.875	0.562	125	0.489	1.0	0.125	72.7	−31.9	41.9	52.7	127.2	0.476	0.988	0.111	73.9	−31.0	42.6	52.7	126.1	1.6	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
398	Y68G_100_075$_{dd}$	0.5	1.0	0.25	1.0	0.75	0.625	131	0.487	1.0	0.25	72.3	−32.4	31.1	44.9	136.1	0.474	1.0	0.207	73.1	−30.8	27.6	41.4	138.0	3.9	131	0.316	1.0	0.0	65.0	−43.2	41.5	59.9	136.1
399	Y81G_100_062$_{dd}$	0.5	1.0	0.375	1.0	0.625	0.687	139	0.489	1.0	0.375	72.3	−32.3	19.9	37.9	148.3	0.463	1.0	0.317	74.9	−25.4	13.1	28.6	152.7	10.0	140	0.183	1.0	0.0	59.2	−51.7	31.8	60.7	148.3
400	G00B_100_050$_{dd}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	74.2	−29.7	12.2	32.1	157.6	0.475	1.0	0.376	75.9	−21.5	3.3	21.8	171.1	12.2	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
401	G11B_100_050$_{dd}$	0.5	1.0	0.625	1.0	0.5	0.75	164	0.5	1.0	0.616	74.0	−26.9	2.9	27.0	173.7	0.462	1.0	0.501	76.4	−18.3	−5.5	19.1	196.8	12.3	162	0.0	1.0	0.233	53.7	−53.8	5.8	54.1	173.7
402	G25B_100_050$_{dd}$	0.5	1.0	0.75	1.0	0.5	0.75	180	0.5	1.0	0.75	74.8	−22.1	−5.6	22.8	194.3	0.479	1.0	0.623	76.2	−13.1	−19.6	23.6	236.3	16.7	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
403	G38B_100_050$_{dd}$	0.5	1.0	0.875	1.0	0.5	0.75	196	0.5	1.0	0.883	75.0	−16.4	−14.4	21.9	221.1	0.476	0.988	0.69	75.4	−10.0	−28.8	30.5	250.7	15.7	197	0.0	1.0	0.766	55.8	−32.9	−28.8	43.8	221.1
404	G50B_100_050$_{dd}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	73.1	−11.4	−23.5	26.1	244.1	0.448	0.848	0.728	74.6	−5.6	−38.5	39.0	261.6	16.2	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
																	Mean color difference of this page:							**delta**	**10.1**									

1−1032330−F0

RE670−7N, Page 24/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^*$

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

1−1032330−F0

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 25/33

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

n	HIC*Fdd	rgb_Fdd			ict_Fdd			hsi_F,dd	rgb*Fdd			LabCh*Fdd					rgb'*Fdd			LabCh'*Fdd					DE'*Fdd	hsiM,dd	rgb*Mdd			LabCh*Mdd				
405	R00Y_062_062dd	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	36.2	38.6	18.3	42.7	25.4	0.601	0.024	0.071	34.8	43.2	21.5	48.2	26.4	5.7	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
406	R31Y_062_062dd	0.625	0.0	0.125	0.625	0.625	0.312	379	0.625	0.0	0.114	36.0	38.1	13.1	40.3	18.9	0.587	0.014	0.137	35.8	41.9	14.8	44.4	19.4	4.1	380	1.0	0.0	0.183	45.5	61.1	21.0	64.6	18.9
407	R11Y_062_062dd	0.625	0.0	0.25	0.625	0.625	0.312	367	0.625	0.0	0.239	35.5	38.9	6.6	39.4	9.7	0.587	0.019	0.229	34.7	43.1	6.6	43.6	8.7	4.2	367	1.0	0.0	0.383	44.7	62.2	10.7	63.1	9.7
408	B69R_062_062dd	0.625	0.0	0.375	0.625	0.625	0.312	353	0.625	0.0	0.385	35.6	41.1	−0.7	41.1	358.9	0.594	0.022	0.341	34.7	45.0	−2.2	45.1	357.2	4.2	352	1.0	0.0	0.616	45.0	65.8	−1.2	65.8	358.9
409	B59R_062_062dd	0.625	0.0	0.5	0.625	0.625	0.312	341	0.625	0.0	0.51	36.1	43.4	−7.2	44.0	350.5	0.585	0.023	0.439	36.0	48.2	−9.6	49.1	348.6	5.3	339	1.0	0.0	0.816	45.8	69.5	−11.5	70.4	350.5
410	B50R_062_062dd	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.625	36.7	44.2	−10.8	45.5	346.2	0.578	0.031	0.497	36.6	52.3	−16.5	54.8	342.4	9.8	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
411	B42R_075_075dd	0.625	0.0	0.75	0.75	0.75	0.375	321	0.637	0.0	0.75	36.9	47.9	−16.4	50.7	341.1	0.58	0.022	0.602	37.7	52.6	−21.9	57.0	337.3	7.2	322	0.85	0.0	1.0	42.5	63.9	−21.8	67.6	341.1
412	B36R_087_087dd	0.625	0.0	0.875	0.875	0.875	0.437	314	0.641	0.0	0.875	37.7	51.7	−21.7	56.0	337.2	0.611	0.007	0.734	38.2	54.0	−26.7	60.2	333.6	5.5	315	0.733	0.0	1.0	40.2	59.1	−24.8	64.1	337.2
413	B31R_100_100dd	0.625	0.0	1.0	1.0	1.0	0.5	308	0.633	0.0	1.0	38.4	55.1	−29.1	62.3	332.1	0.632	0.0	1.0	38.2	54.8	−29.4	62.2	331.7	0.5	308	0.633	0.0	1.0	38.4	55.1	−29.1	62.3	332.1
414	R18Y_062_062dd	0.625	0.125	0.0	0.625	0.625	0.312	41	0.625	0.114	0.0	41.8	31.7	29.5	43.3	42.9	0.649	0.127	0.028	40.1	29.8	30.9	42.9	46.0	2.9	39	1.0	0.183	0.0	54.9	50.7	47.2	69.3	42.9
415	R00Y_062_050dd	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	42.2	30.8	14.6	34.1	25.4	0.628	0.122	0.178	42.6	29.6	19.0	35.2	32.7	4.5	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
416	R26Y_062_050dd	0.625	0.125	0.25	0.625	0.5	0.375	376	0.625	0.125	0.241	41.9	30.5	9.1	31.9	16.7	0.619	0.129	0.241	41.7	31.2	8.4	32.3	15.1	1.0	377	1.0	0.0	0.233	45.2	61.1	18.3	63.8	16.7
417	R00Y_062_050dd	0.625	0.125	0.375	0.625	0.5	0.375	360	0.625	0.125	0.375	41.5	32.2	2.6	32.3	4.7	0.615	0.124	0.323	41.8	33.4	−0.9	33.4	358.4	3.7	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
418	B61R_062_050dd	0.625	0.125	0.5	0.625	0.5	0.375	344	0.625	0.125	0.508	42.0	34.2	−4.5	34.5	352.4	0.607	0.132	0.421	42.3	39.0	−9.0	40.0	346.9	6.5	342	1.0	0.0	0.766	45.5	68.4	−9.1	69.0	352.4
419	B50R_062_050dd	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.625	42.7	35.3	−8.6	36.4	346.2	0.596	0.143	0.476	43.2	43.3	−17.1	46.5	338.4	11.6	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
420	B40R_075_062dd	0.625	0.125	0.75	0.75	0.625	0.437	319	0.635	0.125	0.75	42.9	39.0	−14.1	41.5	340.0	0.595	0.138	0.562	44.3	45.6	−22.7	50.9	333.4	10.8	320	0.816	0.0	1.0	41.8	62.5	−22.6	66.5	340.0
421	B34R_087_075dd	0.625	0.125	0.875	0.875	0.75	0.5	311	0.637	0.125	0.875	43.7	42.8	−20.2	47.4	334.6	0.604	0.133	0.681	43.8	50.8	−29.3	58.6	330.0	12.0	311	0.683	0.0	1.0	39.3	57.1	−27.0	63.2	334.6
422	B29R_100_087dd	0.625	0.125	1.0	1.0	0.875	0.562	305	0.635	0.125	1.0	44.4	46.6	−26.7	53.7	330.1	0.608	0.139	0.814	42.3	48.6	−32.0	58.2	326.6	6.0	305	0.583	0.0	1.0	37.3	53.2	−30.6	61.4	330.1
423	R38Y_062_062dd	0.625	0.25	0.0	0.625	0.625	0.312	53	0.625	0.239	0.0	47.9	20.5	33.5	39.4	58.5	0.663	0.251	0.039	44.3	18.0	35.6	39.9	63.1	4.8	52	1.0	0.383	0.0	64.6	32.9	53.7	63.0	58.5
424	R23Y_062_050dd	0.625	0.25	0.125	0.625	0.5	0.375	44	0.625	0.241	0.125	48.1	22.7	24.3	33.3	47.0	0.657	0.225	0.106	48.9	18.2	21.5	28.2	49.7	5.3	42	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47.0
425	R00Y_062_037dd	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	48.2	23.1	11.0	25.6	25.4	0.647	0.242	0.255	47.9	21.1	10.6	23.6	26.8	2.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
426	R18Y_062_037dd	0.625	0.25	0.375	0.625	0.375	0.437	371	0.625	0.25	0.368	47.9	23.1	5.2	23.7	12.8	0.625	0.246	0.315	48.2	24.2	0.0	24.2	0.2	5.3	371	1.0	0.0	0.316	44.9	61.7	14.0	63.3	12.8
427	B65R_062_037dd	0.625	0.25	0.5	0.625	0.375	0.437	349	0.625	0.25	0.506	48.0	25.1	−1.7	25.2	355.9	0.618	0.245	0.398	49.5	28.3	−9.2	29.8	341.8	8.2	348	1.0	0.0	0.683	45.2	67.0	−4.7	67.2	355.9
428	B50R_062_037dd	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.625	48.6	26.5	−6.4	27.3	346.2	0.61	0.247	0.456	50.5	33.0	−17.8	37.5	331.6	13.2	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
429	B38R_075_050dd	0.625	0.25	0.75	0.75	0.5	0.5	316	0.633	0.25	0.75	49.0	30.2	−11.8	32.4	338.5	0.616	0.24	0.534	51.3	34.7	−22.1	41.1	327.4	11.4	317	0.766	0.0	1.0	40.8	60.4	−23.7	64.9	338.5
430	B30R_087_062dd	0.625	0.25	0.875	0.875	0.625	0.562	307	0.635	0.25	0.875	49.8	34.0	−18.5	38.8	331.4	0.619	0.239	0.641	49.7	42.9	−31.8	53.4	323.3	15.9	307	0.616	0.0	1.0	38.0	54.5	−29.7	62.0	331.4
431	B25R_100_075dd	0.625	0.25	1.0	1.0	0.75	0.625	300	0.625	0.25	1.0	50.1	37.5	−24.5	44.8	326.8	0.62	0.237	0.777	46.1	42.1	−34.1	54.2	320.9	11.3	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
432	R61Y_062_062dd	0.625	0.375	0.0	0.625	0.625	0.312	67	0.625	0.385	0.0	53.4	11.1	38.5	40.1	73.8	0.671	0.383	0.037	48.2	7.9	39.1	39.9	78.4	6.0	67	1.0	0.616	0.0	73.4	17.8	61.7	64.2	73.8
433	R50Y_062_050dd	0.625	0.375	0.125	0.625	0.5	0.375	60	0.625	0.375	0.125	54.0	12.1	28.9	31.4	67.1	0.649	0.356	0.107	55.2	9.1	26.6	28.2	71.1	3.9	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
434	R31Y_062_037dd	0.625	0.375	0.25	0.625	0.375	0.437	49	0.625	0.368	0.25	54.1	14.3	19.3	24.1	53.4	0.647	0.35	0.196	54.7	12.7	13.2	18.4	45.9	6.3	48	1.0	0.316	0.0	61.6	38.2	51.6	64.3	53.4
435	R00Y_062_025dd	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	54.3	15.4	7.3	17.0	25.4	0.632	0.362	0.319	55.0	15.0	2.2	15.2	8.3	5.1	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
436	R00Y_062_025dd	0.625	0.375	0.5	0.625	0.25	0.5	360	0.625	0.375	0.5	53.9	16.1	1.3	16.1	4.7	0.616	0.359	0.38	56.2	18.3	−7.4	19.7	338.0	9.2	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
437	B50R_062_025dd	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.625	54.5	17.6	−4.3	18.2	346.2	0.61	0.36	0.45	57.1	23.1	−16.6	28.5	324.2	13.7	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
438	B34R_075_037dd	0.625	0.375	0.75	0.75	0.375	0.562	311	0.631	0.375	0.75	55.1	21.4	−10.1	23.7	334.6	0.621	0.351	0.532	57.2	25.5	−22.0	33.7	319.2	12.7	311	0.683	0.0	1.0	39.3	57.1	−27.0	63.2	334.6
439	B25R_087_050dd	0.625	0.375	0.875	0.875	0.5	0.625	300	0.625	0.375	0.875	55.5	25.0	−16.3	29.9	326.8	0.622	0.347	0.615	57.7	33.8	−32.3	46.8	316.3	18.3	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
440	B19R_100_062dd	0.625	0.375	1.0	1.0	0.625	0.687	293	0.614	0.375	1.0	56.1	28.5	−21.9	35.9	322.4	0.64	0.349	0.752	53.1	33.0	−35.0	48.1	313.3	14.1	292	0.383	0.0	1.0	33.2	45.6	−35.0	57.5	322.4
441	R81Y_062_062dd	0.625	0.5	0.0	0.625	0.625	0.312	79	0.625	0.51	0.0	59.2	2.1	37.2	37.3	86.6	0.616	0.481	0.086	57.6	0.5	48.3	48.3	89.3	11.2	80	1.0	0.816	0.0	82.7	3.4	59.6	59.7	86.6
442	R76Y_062_050dd	0.625	0.5	0.125	0.625	0.5	0.375	76	0.625	0.508	0.125	59.8	2.8	30.7	30.8	84.6	0.605	0.47	0.134	61.9	1.6	34.6	34.6	87.3	4.5	77	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84.6
443	R68Y_062_037dd	0.625	0.5	0.25	0.625	0.375	0.437	71	0.625	0.506	0.25	59.9	4.6	23.3	23.8	78.8	0.614	0.472	0.201	61.5	4.0	19.3	19.7	78.2	4.3	71	1.0	0.683	0.0	76.9	12.2	62.2	63.4	78.8
444	R50Y_062_025dd	0.625	0.5	0.375	0.625	0.25	0.5	60	0.625	0.5	0.375	60.2	6.0	14.4	15.7	67.1	0.615	0.477	0.283	62.3	6.8	6.2	9.2	42.3	8.5	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
445	R00Y_062_012dd	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	60.3	7.7	3.6	8.5	25.4	0.599	0.476	0.381	62.7	10.7	−5.6	12.1	332.1	10.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
446	B50R_062_012dd	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.625	60.5	8.8	−2.1	9.1	346.2	0.586	0.479	0.443	64.4	15.3	−16.1	22.2	313.5	15.9	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
447	B25R_075_025dd	0.625	0.5	0.75	0.75	0.25	0.625	300	0.625	0.5	0.75	61.0	12.5	−8.1	14.9	326.8	0.607	0.472	0.519	63.8	18.5	−22.4	29.1	309.5	15.7	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
448	B15R_087_037dd	0.625	0.5	0.875	0.875	0.375	0.687	289	0.618	0.5	0.875	61.6	16.0	−13.7	21.1	319.2	0.616	0.465	0.59	65.0	24.7	−32.3	40.7	307.3	20.7	288	0.316	0.0	1.0	32.0	42.7	−36.7	56.3	319.2
449	B11R_100_050dd	0.625	0.5	1.0	1.0	0.5	0.75	284	0.616	0.5	1.0	62.6	19.3	−19.4	27.4	314.8	0.633	0.472	0.697	61.1	24.4	−34.6	42.4	305.1	16.1	282	0.233	0.0	1.0	30.9	38.6	−38.9	54.9	314.8
450	Y00G_062_062dd	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.625	0.0	63.4	−4.4	41.4	41.7	96.1	0.577	0.574	0.075	66.4	−6.2	56.3	56.6	96.3	15.2	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
451	Y00G_062_050dd	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.625	0.125	64.0	−3.5	33.1	33.3	96.1	0.568	0.562	0.133	69.2	−4.9	40.6	40.9	96.9	9.1	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
452	Y00G_062_037dd	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.625	0.25	64.6	−2.6	24.8	25.0	96.1	0.569	0.569	0.206	69.7	−2.8	24.5	24.7	96.5	5.0	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
453	Y00G_062_025dd	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.625	0.375	65.2	−1.7	16.5	16.6	96.1	0.566	0.577	0.279	70.3	0.1	10.8	10.8	89.3	7.9	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
454	Y00G_062_012dd	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.625	0.5	65.8	−0.8	8.2	8.3	96.1	0.556	0.588	0.353	71.3	3.7	−4.0	5.5	312.3	14.3	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
455	NW_062dd	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	70.3	7.3	−12.9	14.8	299.7	15.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
456	B00R_075_012dd	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.625	0.75	67.9	3.2	−5.5	6.4	299.9	0.577	0.597	0.497	72.1	10.4	−22.6	24.9	294.8	19.0	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
457	B00R_087_025dd	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.625	0.875	69.5	6.4	−11.1	12.8	299.9	0.609	0.609	0.583	71.3	13.7	−30.3	33.2	294.4	20.6	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
458	B00R_100_037dd	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.625	1.0	71.0	9.6	−16.7	19.2	299.9	0.638	0.618	0.678	68.3	15.5	−35.0	38.3	293.9	19.4	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
459	Y15G_075_075dd	0.625	0.75	0.0	0.75	0.75	0.375	99	0.637	0.75	0.0	72.8	−8.4	56.5	57.2	98.5	0.639	0.719	0.029	73.5	−10.0	61.0	61.9	99.3	4.8	97	0.85	1.0	0.0	90.4	−11.3	75.4	76.3	98.5
460	Y18G_075_062dd	0.625	0.75	0.125	0.75	0.625	0.437	101	0.635	0.75	0.125	72.8	−7.8	46.8	47.4	99.4	0.635	0.706	0.097	74.7	−9.8	43.6	44.7	102.6	4.2	99	0.816	1.0	0.0	89.6	−12.4	74.8	75.9	99.4
461	Y23G_075_050dd	0.625	0.75	0.25	0.75	0.5	0.5	104	0.633	0.75	0.25	72.7	−7.1	36.9	37.6	100.8	0.624	0.699	0.169	75.2	−7.8	28.4	29.5	105.4	8.9	102	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100.8
462	Y31G_075_037dd	0.625	0.75	0.375	0.75	0.375	0.562	109	0.631	0.75	0.375	71.6	−7.7	25.0	26.2	107.0	0.588	0.7	0.251	75.8	−5.5	14.9	15.9	110.3	11.1	108	0.683	1.0	0.0	83.4	−20.5	66.8	69.9	107.0
463	Y50G_075_025dd	0.625	0.75	0.5	0.75	0.25	0.625	120	0.625	0.75	0.5	70.3	−8.2	12.9	15.3	122.3	0.541	0.701	0.338	76.2	−2.4	3.3	4.1	126.6	12.7	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
464	G00B_075_012dd	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.625	70.6	−7.4	3.0	8.0	157.6	0.527	0.715	0.431	77.0	0.0	−9.6	9.6	270.4	16.1	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
465	G50B_075_012dd	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.75	70.4	−2.8	−5.8	6.5	244.1	0.538	0.687	0.516	78.1	3.6	−22.6	22.9	279.2	19.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
466	G75B_087_025dd	0.625	0.75	0.875	0.875	0.25	0.75	240	0.625	0.75	0.875	72.7	−1.2	−13.6	13.7	264.7	0.553	0.72	0.619	77.4	5.9	−29.4	29.9	281.3	17.9	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
467	G84B_100_037dd	0.625	0.75	1.0	1.0	0.375	0.812	251	0.625	0.743	1.0	73.2	1.6	−19.7	19.8	274.9	0.566	0.706	0.691	74.1	5.5	−35.6	36.0	278.8	16.3	251	0.0	0.316	1.0	38.1	4.5	−52.7	52.9	274.9
468	Y26G_087_087dd	0.625	0.875	0.0	0.875	0.875	0.437	106	0.641	0.875	0.0	78.4	−14.3	63.0	64.6	102.7	0.624	0.848	0.007	79.6	−15.4	64.5	66.3	103.4	2.2	104	0.733	1.0	0.0	86.8	−16.3	72.0	73.8	102.7
469	Y31G_087_075dd	0.625	0.875	0.125	0.875	0.75	0.5	109	0.637	0.875	0.125	76.8	−15.4	50.1	52.4	107.0	0.598	0.833	0.096	79.7	−15.8	50.2	52.6	107.4	2.9	108	0.683	1.0	0.0	83.4	−20.5	66.8	69.9	107.0
470	Y38G_087_062dd	0.625	0.875	0.25	0.875	0.625	0.562	113	0.635	0.875	0.25	75.4	−15.7	37.5	40.7	112.7	0.574	0.824	0.176	78.6	−13.9	30.0	33.1	114.8	8.3	112	0.616	1.0	0.0	79.0	−25.2	60.0	65.1	112.7
471	Y50G_087_050dd	0.625	0.875	0.375	0.875	0.5	0.625	120	0.625	0.875	0.375	74.1	−16.4	25.9	30.7	122.3	0.55	0.823	0.247	78.9	−13.2	18.1	22.4	126.1	9.7	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
472	Y68G_087_037dd	0.625	0.875	0.5	0.875	0.375	0.687	131	0.618	0.875	0.5	74.0	−16.2	15.5	22.4	136.1	0.536	0.824	0.341	80.0	−10.7	6.7	12.7	148.0	11.9	131	0.316	1.0	0.0	65.0	−43.2	41.5	59.9	136.1
473	G00B_087_025dd	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.625	74.9	−14.8	6.1	16.0	157.6	0.536	0.835	0.446	81.4	−6.9	−5.2	8.6	217.3	15.3	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
474	G25B_087_025dd	0.625	0.875	0.75	0.875	0.25	0.75	180	0.625	0.875	0.75	75.2	−11.0	−2.8	11.4	194.3	0.537	0.821	0.54	82.0	−3.9	−16.6	17.1	256.5	16.9	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
475	G50B_087_025dd	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.875	74.4	−5.7	−11.7	13.0	244.1	0.538	0.779	0.617	82.0	0.0	−31.0	31.0	270.1	21.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
476	G65B_100_037dd	0.625	0.875	1.0	1.0	0.375	0.812	229	0.625	0.881	1.0	77.8	−4.9	−20.7	21.3	256.4	0.559	0.832	0.738	79.4	0.3	−34.7	34.7	270.5	15.1	228	0.0	0.683	1.0	50.3	−13.3	−55.2	56.8	256.4
477	Y36G_100_100dd	0.625	1.0	0.0	1.0	1.0	0.5	112	0.633	1.0	0.0	80.0	−24.0	61.5	66.0	111.3	0.632	1.0	0.0	79.4	−24.5	60.6	65.4	112.0	1.1	111	0.633	1.0	0.0	80.0	−24.0	61.5	66.0	111.3
478	Y41G_100_087dd	0.625	1.0	0.125	1.0	0.875	0.562	115	0.635	1.0	0.125	79.3	−24.1	50.6	56.1	115.4	0.595	0.986	0.104	81.4	−22.6	51.0	55.8	113.9	2.6	114	0.583	1.0	0.0	77.1	−27.5	57.8	64.1	115.4
479	Y50G_100_075dd	0.625	1.0	0.25	1.0	0.75	0.625	120	0.625	1.0	0.25	78.0	−24.6	38.9	46.1	122.3	0.58	0.985	0.202	80.3	−22.4	37.6	43.8	120.8	3.4	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
480	Y61G_100_062dd	0.625	1.0	0.375	1.0	0.625	0.687	127	0.614	1.0	0.375	78.1	−23.6	28.9	37.3	129.2	0.588	0.992	0.303	79.3	−22.1	25.2	33.5	131.2	4.1	127	0.383	1.0	0.0	68.4	−37.7	46.2	59.7	129.2
481	Y76G_100_050dd	0.625	1.0	0.5	1.0	0.5	0.75	136	0.616	1.0	0.5	77.5	−24.6	17.4	30.2	144.7	0.562	1.0	0.406	80.5	−17.3	9.4	19.7	151.4	11.2	137	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144.7
482	G00B_100_037dd	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.625	79.2	−22.3	9.1	24.1	157.6	0.58	1.0	0.5	82.3	−11.9	−1.2	12.0	186.1	15.0	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
483	G15B_100_037dd	0.625	1.0	0.75	1.0	0.375	0.812	169	0.625	1.0	0.743	79.2	−19.3	0.3	19.3	178.9	0.501	0.874	0.501	82.6	−7.3	−13.8	15.6	242.1	18.8	168	0.0	1.0	0.316	54.1	−51.5	0.9	51.5	178.9
484	G34B_100_037dd	0.625	1.0	0.875	1.0	0.375	0.812	191	0.625	1.0	0.881	79.9	−13.7	−8.8	16.3	212.7	0.57	1.0	0.691	81.2	−4.0	−25.0	25.3	260.8	18.9	191	0.0	1.0	0.683	55.9	−36.6	−23.5	43.5	212.7
485	G50B_100_037dd	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	1.0	78.4	−8.5	−17.6	19.6	244.1	0.548	0.872	0.72	80.5	−0.9	−33.4	33.4	268.3	17.6	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
																	Mean color difference of this page:							**delta**	**10.0**									

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

input: *rgb/cmyk* −> *rgb*dd
output: 3D-linearization to *cmyk**dd

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 26/33

n	HIC*$_{Fdd}$	$rgb_{\_Fdd}$			$ict_{\_Fdd}$			$h_{si\_F,dd}$	rgb^*_{Fdd}			$LabCh^*_{Fdd}$					rgb'^*_{Fdd}			$LabCh'^*_{Fdd}$					DE'^*_{Fdd}	$h_{siM,dd}$	rgb^*_{Mdd}			$LabCh^*_{Mdd}$				
486	R00Y_075_075$_{dd}$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	39.4	46.3	22.0	51.2	25.4	0.738	0.028	0.045	38.1	49.4	22.0	54.1	24.0	3.3	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
487	R35Y_075_075$_{dd}$	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.112	39.3	45.7	17.1	48.8	20.5	0.741	0.028	0.109	37.5	48.7	14.1	50.7	16.1	4.5	382	1.0	0.0	0.15	45.8	60.9	22.8	65.1	20.5
488	R18Y_075_075$_{dd}$	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.237	38.7	46.3	10.5	47.5	12.8	0.745	0.024	0.227	37.0	48.7	8.4	49.4	9.7	3.6	371	1.0	0.0	0.316	44.9	61.7	14.0	63.3	12.8
489	R00Y_075_075$_{dd}$	0.75	0.0	0.375	0.75	0.75	0.375	360	0.75	0.0	0.375	38.3	48.3	4.0	48.5	4.7	0.757	0.023	0.352	36.4	50.1	1.5	50.2	1.7	3.5	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
490	B65R_075_075$_{dd}$	0.75	0.0	0.5	0.75	0.75	0.375	349	0.75	0.0	0.512	38.9	50.2	−3.5	50.4	355.9	0.755	0.033	0.481	36.7	53.0	−6.1	53.4	353.3	4.4	348	1.0	0.0	0.683	45.2	67.0	−4.7	67.2	355.9
491	B57R_075_075$_{dd}$	0.75	0.0	0.625	0.75	0.75	0.375	339	0.75	0.0	0.637	39.5	52.6	−9.8	53.5	349.3	0.756	0.037	0.587	37.1	55.9	−13.0	57.4	346.8	5.1	337	1.0	0.0	0.85	46.0	70.1	−13.1	71.3	349.3
492	B50R_075_075$_{dd}$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.75	40.1	53.0	−12.9	54.6	346.2	0.753	0.044	0.643	38.2	56.8	−17.6	59.5	342.7	6.3	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
493	B43R_087_087$_{dd}$	0.75	0.0	0.875	0.875	0.875	0.437	322	0.758	0.0	0.875	40.0	56.5	−18.8	59.6	341.6	0.759	0.021	0.779	39.2	57.7	−22.8	62.1	338.3	4.3	322	0.866	0.0	1.0	42.8	64.6	−21.4	68.1	341.6
494	B38R_100_100$_{dd}$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.766	0.0	1.0	40.8	60.4	−23.7	64.9	338.5	0.765	0.0	1.0	40.5	59.7	−24.0	64.3	338.0	0.8	317	0.766	0.0	1.0	40.8	60.4	−23.7	64.9	338.5
495	R15Y_075_075$_{dd}$	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.112	0.0	44.8	40.7	34.4	53.3	40.1	0.743	0.115	0.014	45.6	41.1	37.7	55.8	42.5	3.4	37	1.0	0.15	0.0	53.1	54.3	45.9	71.1	40.1
496	R00Y_075_062$_{dd}$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	45.4	38.6	18.3	42.7	25.4	0.758	0.116	0.181	46.0	36.4	21.9	42.5	31.1	4.2	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
497	R31Y_075_062$_{dd}$	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.239	45.2	38.1	13.1	40.3	18.9	0.752	0.123	0.262	45.3	37.4	13.7	39.8	20.1	0.9	380	1.0	0.0	0.183	45.5	61.1	21.0	64.6	18.9
498	R11Y_075_062$_{dd}$	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.364	44.7	38.9	6.6	39.4	9.7	0.748	0.126	0.368	44.6	39.1	6.2	39.6	9.0	0.5	367	1.0	0.0	0.383	44.7	62.2	10.7	63.1	9.7
499	B69R_075_062$_{dd}$	0.75	0.125	0.5	0.75	0.625	0.437	353	0.75	0.125	0.51	44.9	41.1	−0.7	41.1	358.9	0.74	0.135	0.474	44.5	43.2	−2.1	43.2	357.2	2.4	352	1.0	0.0	0.616	45.0	65.8	−1.2	65.8	358.9
500	B59R_075_062$_{dd}$	0.75	0.125	0.625	0.75	0.625	0.437	341	0.75	0.125	0.635	45.4	43.4	−7.2	44.0	350.5	0.741	0.142	0.57	44.7	46.4	−10.6	47.6	347.1	4.6	339	1.0	0.0	0.816	45.8	69.5	−11.5	70.4	350.5
501	B50R_075_062$_{dd}$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.75	46.0	44.2	−10.8	45.5	346.2	0.743	0.15	0.622	45.9	49.7	−18.2	53.0	339.9	9.2	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
502	B42R_087_075$_{dd}$	0.75	0.125	0.875	0.875	0.75	0.5	321	0.762	0.125	0.875	46.1	47.9	−16.4	50.7	341.1	0.746	0.136	0.716	46.1	53.0	−23.9	58.2	335.6	9.1	322	0.85	0.0	1.0	42.5	63.9	−21.8	67.6	341.1
503	B36R_100_087$_{dd}$	0.75	0.125	1.0	1.0	0.875	0.562	314	0.766	0.125	1.0	47.0	51.7	−21.7	56.0	337.2	0.76	0.138	0.828	45.6	54.1	−27.6	60.8	332.9	6.5	315	0.733	0.0	1.0	40.2	59.1	−24.8	64.1	337.2
504	R31Y_075_075$_{dd}$	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.237	0.0	51.2	28.7	38.7	48.2	53.4	0.749	0.227	0.03	52.5	25.8	44.5	51.4	59.8	6.5	48	1.0	0.316	0.0	61.6	38.2	51.6	64.3	53.4
505	R18Y_075_062$_{dd}$	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.239	0.125	51.1	31.7	29.5	43.3	42.9	0.772	0.209	0.1	52.2	26.4	25.6	36.8	44.1	6.6	39	1.0	0.183	0.0	54.9	50.7	47.2	69.3	42.9
506	R00Y_075_050$_{dd}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.5	30.8	14.6	34.1	25.4	0.768	0.23	0.268	51.9	27.5	15.1	31.4	28.8	3.3	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
507	R26Y_075_050$_{dd}$	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.366	51.1	30.5	9.1	31.9	16.7	0.755	0.239	0.337	51.3	30.1	6.0	30.7	11.4	3.1	377	1.0	0.0	0.233	45.2	61.1	18.3	63.8	16.7
508	R00Y_075_050$_{dd}$	0.75	0.25	0.5	0.75	0.5	0.5	360	0.75	0.25	0.5	50.8	32.2	2.6	32.3	4.7	0.751	0.239	0.431	51.4	32.4	−1.9	32.5	356.5	4.6	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
509	B61R_075_050$_{dd}$	0.75	0.25	0.625	0.75	0.5	0.5	344	0.75	0.25	0.633	51.3	34.2	−4.5	34.5	352.4	0.751	0.246	0.54	51.6	36.1	−10.6	37.6	343.5	6.3	342	1.0	0.0	0.766	45.5	68.4	−9.1	69.0	352.4
510	B50R_075_050$_{dd}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	51.9	35.3	−8.6	36.4	346.2	0.753	0.255	0.599	52.5	40.0	−19.2	44.4	334.3	11.6	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
511	B40R_087_062$_{dd}$	0.75	0.25	0.875	0.875	0.625	0.562	319	0.76	0.25	0.875	52.2	39.0	−14.1	41.5	340.0	0.762	0.247	0.682	53.6	43.4	−24.9	50.0	330.0	11.7	320	0.816	0.0	1.0	41.8	62.5	−22.6	66.5	340.0
512	B34R_100_075$_{dd}$	0.75	0.25	1.0	1.0	0.75	0.625	311	0.762	0.25	1.0	53.0	42.8	−20.2	47.4	334.6	0.771	0.243	0.787	51.4	45.6	−29.7	54.4	326.8	10.0	311	0.683	0.0	1.0	39.3	57.1	−27.0	63.2	334.6
513	R50Y_075_075$_{dd}$	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.375	0.0	57.1	18.2	43.4	47.1	67.1	0.755	0.364	0.032	57.0	16.6	47.3	50.1	70.6	4.2	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
514	R38Y_075_062$_{dd}$	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.364	0.125	57.2	20.5	33.5	39.4	58.5	0.763	0.348	0.109	58.0	17.9	32.3	36.9	61.0	3.0	52	1.0	0.383	0.0	64.6	32.9	53.7	63.0	58.5
515	R23Y_075_050$_{dd}$	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.366	0.25	57.3	22.7	24.3	33.3	47.0	0.779	0.343	0.199	57.5	18.9	18.5	26.4	44.3	7.0	42	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47.0
516	R00Y_075_037$_{dd}$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	57.5	23.1	11.0	25.6	25.4	0.771	0.364	0.354	57.3	21.3	8.3	22.9	21.3	3.1	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
517	R18Y_075_037$_{dd}$	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.493	57.2	23.1	5.2	23.7	12.8	0.753	0.365	0.421	58.1	23.2	−0.4	23.2	359.0	5.7	371	1.0	0.0	0.316	44.9	61.7	14.0	63.3	12.8
518	B65R_075_037$_{dd}$	0.75	0.375	0.625	0.75	0.375	0.562	349	0.75	0.375	0.631	57.3	25.1	−1.7	25.2	355.9	0.751	0.359	0.518	58.3	26.6	−10.3	28.5	338.8	8.7	348	1.0	0.0	0.683	45.2	67.0	−4.7	67.2	355.9
519	B50R_075_037$_{dd}$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.75	57.9	26.5	−6.4	27.3	346.2	0.755	0.366	0.58	58.2	30.9	−18.7	36.1	328.8	13.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
520	B38R_087_050$_{dd}$	0.75	0.375	0.875	0.875	0.5	0.625	316	0.758	0.375	0.875	58.3	30.2	−11.8	32.4	338.5	0.771	0.363	0.662	59.6	36.9	−25.8	45.1	325.0	15.6	317	0.766	0.0	1.0	40.8	60.4	−23.7	64.9	338.5
521	B30R_100_062$_{dd}$	0.75	0.375	1.0	1.0	0.625	0.687	307	0.76	0.375	1.0	59.1	34.0	−18.5	38.8	331.4	0.782	0.37	0.764	56.6	39.7	−29.9	49.8	322.9	13.0	307	0.616	0.0	1.0	38.0	54.5	−29.7	62.0	331.4
522	R68Y_075_075$_{dd}$	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.512	0.0	62.7	9.2	46.7	47.6	78.8	0.753	0.495	0.041	62.0	8.0	50.6	51.2	81.0	4.1	71	1.0	0.683	0.0	76.9	12.2	62.2	63.4	78.8
523	R61Y_075_062$_{dd}$	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.51	0.125	62.7	11.1	38.5	40.1	73.8	0.75	0.473	0.112	64.3	9.2	38.6	39.6	76.5	2.5	67	1.0	0.616	0.0	73.4	17.8	61.7	64.2	73.8
524	R50Y_075_050$_{dd}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.5	0.25	63.3	12.1	28.9	31.4	67.1	0.76	0.479	0.197	64.0	10.3	22.9	25.1	65.6	6.3	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
525	R31Y_075_037$_{dd}$	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.493	0.375	63.4	14.3	19.3	24.1	53.4	0.773	0.477	0.291	63.9	12.8	12.1	17.6	43.2	7.4	48	1.0	0.316	0.0	61.6	38.2	51.6	64.3	53.4
526	R00Y_075_025$_{dd}$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	63.6	15.4	7.3	17.0	25.4	0.758	0.487	0.436	64.2	15.1	2.1	15.3	8.2	5.1	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
527	R00Y_075_025$_{dd}$	0.75	0.5	0.625	0.75	0.25	0.625	360	0.75	0.5	0.625	63.2	16.1	1.3	16.1	4.7	0.742	0.483	0.502	64.8	19.0	−8.5	20.8	335.9	10.4	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
528	B50R_075_025$_{dd}$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.75	63.8	17.6	−4.3	18.2	346.2	0.739	0.489	0.566	65.8	23.4	−18.7	30.0	321.3	15.6	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
529	B34R_087_037$_{dd}$	0.75	0.5	0.875	0.875	0.375	0.687	311	0.756	0.5	0.875	64.3	21.4	−10.1	23.7	334.6	0.759	0.485	0.647	66.7	28.1	−26.0	38.3	317.2	17.4	311	0.683	0.0	1.0	39.3	57.1	−27.0	63.2	334.6
530	B25R_100_050$_{dd}$	0.75	0.5	1.0	1.0	0.5	0.75	300	0.75	0.5	1.0	64.8	25.0	−16.3	29.9	326.8	0.768	0.48	0.729	65.0	32.1	−29.7	43.8	317.2	15.1	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
531	R85Y_075_075$_{dd}$	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.637	0.0	67.8	1.5	43.7	43.7	87.9	0.705	0.584	0.1	70.7	0.7	58.9	58.9	89.2	15.4	81	1.0	0.85	0.0	83.8	2.0	58.3	58.3	87.9
532	R81Y_075_062$_{dd}$	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.635	0.125	68.5	2.1	37.2	37.3	86.6	0.708	0.587	0.154	71.2	1.8	43.5	43.6	87.5	6.8	80	1.0	0.816	0.0	82.7	3.4	59.6	59.7	86.6
533	R76Y_075_050$_{dd}$	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.633	0.25	69.1	2.8	30.7	30.8	84.6	0.716	0.596	0.209	71.1	3.6	27.1	27.3	82.4	4.2	77	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84.6
534	R68Y_075_037$_{dd}$	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.631	0.375	69.2	4.6	23.3	23.8	78.8	0.728	0.594	0.275	71.2	5.5	15.7	16.7	70.6	7.9	71	1.0	0.683	0.0	76.9	12.2	62.2	63.4	78.8
535	R50Y_075_025$_{dd}$	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.625	0.5	69.5	6.0	14.4	15.7	67.1	0.727	0.597	0.372	71.2	8.4	5.5	10.0	33.3	9.3	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
536	R00Y_075_012$_{dd}$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	69.6	7.7	3.6	8.5	25.4	0.706	0.598	0.48	71.7	11.3	−6.9	13.2	328.5	11.3	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
537	B50R_075_012$_{dd}$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.75	69.7	8.8	−2.1	9.1	346.2	0.696	0.598	0.537	72.9	15.8	−18.0	23.9	311.3	17.6	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
538	B25R_087_025$_{dd}$	0.75	0.625	0.875	0.875	0.25	0.75	300	0.75	0.625	0.875	70.2	12.5	−8.1	14.9	326.8	0.735	0.599	0.626	74.0	20.3	−25.7	32.7	308.2	19.5	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
539	B15R_100_037$_{dd}$	0.75	0.625	1.0	1.0	0.375	0.812	289	0.743	0.625	1.0	70.9	16.0	−13.7	21.1	319.2	0.752	0.595	0.7	72.5	23.0	−29.2	37.2	308.2	17.0	288	0.316	0.0	1.0	32.0	42.7	−36.7	56.3	319.2
540	Y00G_075_075$_{dd}$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.75	0.0	72.1	−5.3	49.7	50.0	96.1	0.668	0.68	0.077	79.1	−6.3	65.9	66.2	95.5	17.6	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
541	Y00G_075_062$_{dd}$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.75	0.125	72.7	−4.4	41.4	41.7	96.1	0.672	0.678	0.143	78.1	−4.9	50.4	50.7	95.6	10.4	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
542	Y00G_075_050$_{dd}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	73.3	−3.5	33.1	33.3	96.1	0.677	0.685	0.21	78.3	−3.3	32.8	33.0	95.7	5.0	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
543	Y00G_075_037$_{dd}$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.75	0.375	73.9	−2.6	24.8	25.0	96.1	0.677	0.693	0.283	78.3	−0.7	20.6	20.6	92.1	6.3	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
544	Y00G_075_025$_{dd}$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.75	0.5	74.5	−1.7	16.5	16.6	96.1	0.67	0.702	0.365	79.0	0.8	10.0	10.1	85.3	8.3	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
545	Y00G_075_012$_{dd}$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.75	0.625	75.1	−0.8	8.2	8.3	96.1	0.657	0.712	0.449	79.1	4.8	−4.7	6.7	315.9	14.7	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
546	NW_075$_{dd}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	78.7	8.6	−15.0	17.3	299.8	17.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
547	B00R_087_012$_{dd}$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.75	0.875	77.2	3.2	−5.5	6.4	299.9	0.693	0.732	0.608	81.3	10.4	−24.2	26.4	293.3	20.4	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
548	B00R_100_025$_{dd}$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.75	1.0	78.7	6.4	−11.1	12.8	299.9	0.735	0.748	0.693	80.6	11.3	−29.5	31.6	291.0	19.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
549	Y13G_087_087$_{dd}$	0.75	0.875	0.0	0.875	0.875	0.437	98	0.758	0.875	0.0	82.0	−9.3	66.2	66.9	98.0	0.721	0.828	0.025	86.3	−9.4	74.1	74.7	97.2	8.9	97	0.866	1.0	0.0	90.9	−10.7	75.7	76.5	98.0
550	Y15G_087_075$_{dd}$	0.75	0.875	0.125	0.875	0.75	0.5	99	0.762	0.875	0.125	82.1	−8.4	56.5	57.2	98.5	0.744	0.838	0.118	83.8	−9.5	58.3	59.1	99.2	2.6	97	0.85	1.0	0.0	90.4	−11.3	75.4	76.3	98.5
551	Y18G_087_062$_{dd}$	0.75	0.875	0.25	0.875	0.625	0.562	101	0.76	0.875	0.25	82.0	−7.8	46.8	47.4	99.4	0.749	0.842	0.185	82.9	−8.5	37.6	38.6	102.7	9.1	99	0.816	1.0	0.0	89.6	−12.4	74.8	75.9	99.4
552	Y23G_087_050$_{dd}$	0.75	0.875	0.375	0.875	0.5	0.625	104	0.758	0.875	0.375	82.0	−7.1	36.9	37.6	100.8	0.754	0.845	0.249	82.9	−7.0	26.3	27.3	104.9	10.6	102	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100.8
553	Y31G_087_037$_{dd}$	0.75	0.875	0.5	0.875	0.375	0.687	109	0.756	0.875	0.5	80.9	−7.7	25.0	26.2	107.0	0.712	0.848	0.354	84.1	−5.3	15.5	16.4	108.9	10.3	108	0.683	1.0	0.0	83.4	−20.5	66.8	69.9	107.0
554	Y50G_087_025$_{dd}$	0.75	0.875	0.625	0.875	0.25	0.75	120	0.75	0.875	0.625	79.5	−8.2	12.9	15.3	122.3	0.657	0.839	0.446	84.5	−1.4	2.8	3.1	116.6	13.1	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
555	G00B_087_012$_{dd}$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.75	79.9	−7.4	3.0	8.0	157.6	0.635	0.848	0.539	86.6	1.2	−10.0	10.1	277.0	17.0	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
556	G50B_087_012$_{dd}$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.875	79.7	−2.8	−5.8	6.5	244.1	0.643	0.814	0.619	87.0	5.4	−25.2	25.8	282.1	22.3	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
557	G75B_100_025$_{dd}$	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.875	1.0	82.0	−1.2	−13.6	13.7	264.7	0.66	0.845	0.724	85.5	4.1	−29.0	29.3	278.0	16.7	240	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
558	Y23G_100_100$_{dd}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100.8	0.765	1.0	0.0	87.9	−14.8	73.6	75.1	101.3	0.7	102	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100.8
559	Y26G_100_087$_{dd}$	0.75	1.0	0.125	1.0	0.875	0.562	106	0.766	1.0	0.125	87.7	−14.3	63.0	64.6	102.7	0.763	0.999	0.097	87.3	−14.9	59.2	61.0	104.1	3.8	104	0.733	1.0	0.0	86.8	−16.3	72.0	73.8	102.7
560	Y31G_100_075$_{dd}$	0.75	1.0	0.25	1.0	0.75	0.625	109	0.762	1.0	0.25	86.1	−15.4	50.1	52.4	107.0	0.734	0.988	0.196	87.1	−15.3	45.6	48.1	108.5	4.6	108	0.683	1.0	0.0	83.4	−20.5	66.8	69.9	107.0
561	Y38G_100_062$_{dd}$	0.75	1.0	0.375	1.0	0.625	0.687	113	0.76	1.0	0.375	84.7	−15.7	37.5	40.7	112.7	0.726	0.982	0.322	85.7	−15.9	36.8	40.1	113.3	1.2	112	0.616	1.0	0.0	79.0	−25.2	60.0	65.1	112.7
562	Y50G_100_050$_{dd}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	83.4	−16.4	25.9	30.7	122.3	0.705	0.993	0.434	85.2	−14.4	24.2	28.1	120.7	3.2	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
563	Y68G_100_037$_{dd}$	0.75	1.0	0.625	1.0	0.375	0.812	131	0.743	1.0	0.625	83.3	−16.2	15.5	22.4	136.1	0.688	1.0	0.524	85.4	−10.1	8.2	13.0	140.9	9.7	131	0.316	1.0	0.0	65.0	−43.2	41.5	59.9	136.1
564	G00B_100_025$_{dd}$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.75	84.2	−14.8	6.1	16.0	157.6	0.682	1.0	0.618	87.3	−4.6	−3.7	5.9	219.3	14.5	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
565	G25B_100_025$_{dd}$	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.875	84.5	−11.0	−2.8	11.4	194.3	0.625	1.0	0.625	86.1	−0.9	−18.4	18.4	266.9	18.6	180	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
566	G50B_100_025$_{dd}$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	1.0	83.7	−5.7	−11.7	13.0	244.1	0.657	0.969	0.746	85.1	2.7	−29.5	29.7	275.2	19.7	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
																	Mean color difference of this page:							**delta**	**8.8**									

1−1032530−F0

RE670−7N, Page 26/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

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

1−1032530−F0

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 27/33

n	HIC^*_{Fdd}	rgb_{Fdd}			ict_{Fdd}			$h_{si\_F,dd}$	rgb^*_{Fdd}			$LabCh^*_{Fdd}$					rgb'^*_{Fdd}			$LabCh'^*_{Fdd}$					DE'^*_{Fdd}	$h_{siM,dd}$	rgb^*_{Mdd}			$LabCh^*_{Mdd}$				
567	R00Y_087_087dd	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	42.6	54.0	25.6	59.8	25.4	0.865	0.015	0.011	41.9	55.1	24.1	60.1	23.6	2.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
568	R36Y_087_087dd	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.116	42.7	53.3	20.7	57.1	21.2	0.862	0.022	0.105	41.4	55.1	17.8	57.9	17.9	3.6	382	1.0	0.0	0.133	45.9	60.9	23.7	65.3	21.2
569	R23Y_087_087dd	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.233	41.9	53.6	14.5	55.6	15.1	0.865	0.021	0.221	40.4	55.0	12.0	56.3	12.3	3.2	375	1.0	0.0	0.266	45.0	61.3	16.6	63.5	15.1
570	R08Y_087_087dd	0.875	0.0	0.375	0.875	0.875	0.437	365	0.875	0.0	0.364	41.6	55.0	8.0	55.6	8.3	0.869	0.022	0.341	40.3	56.7	5.1	56.9	5.1	3.6	365	1.0	0.0	0.416	44.6	62.9	9.2	63.6	8.3
571	B70R_087_087dd	0.875	0.0	0.5	0.875	0.875	0.437	355	0.875	0.0	0.51	41.8	57.3	0.5	57.3	0.5	0.873	0.026	0.482	40.5	58.2	−1.6	58.2	358.3	2.7	354	1.0	0.0	0.583	44.9	65.5	0.6	65.5	0.5
572	B63R_087_087dd	0.875	0.0	0.625	0.875	0.875	0.437	346	0.875	0.0	0.641	42.1	59.3	−6.5	59.7	353.7	0.87	0.039	0.604	40.1	60.7	−8.4	61.3	352.0	3.1	344	1.0	0.0	0.733	45.3	67.8	−7.4	68.2	353.7
573	B56R_087_087dd	0.875	0.0	0.75	0.875	0.875	0.437	338	0.875	0.0	0.758	42.8	61.6	−12.2	62.8	348.7	0.875	0.037	0.7	41.3	62.8	−15.6	64.7	346.0	3.8	337	1.0	0.0	0.866	46.1	70.4	−13.9	71.8	348.7
574	B50R_087_087dd	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.875	43.4	61.9	−15.1	63.7	346.2	0.869	0.044	0.745	42.1	63.8	−19.3	66.7	343.1	4.8	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
575	B44R_100_100dd	0.875	0.0	1.0	1.0	1.0	0.5	323	0.883	0.0	1.0	43.2	65.4	−21.0	68.7	342.1	0.882	0.0	1.0	43.0	65.0	−21.2	68.4	341.8	0.5	323	0.883	0.0	1.0	43.2	65.4	−21.0	68.7	342.1
576	R13Y_087_087dd	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.116	0.0	48.2	49.1	39.5	63.0	38.8	0.85	0.102	0.0	50.7	49.5	43.0	65.6	40.9	4.2	37	1.0	0.133	0.0	52.2	56.1	45.1	72.1	38.8
577	R00Y_087_075dd	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	48.7	46.3	22.0	51.2	25.4	0.845	0.127	0.201	50.2	48.2	29.6	56.6	31.6	8.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
578	R35Y_087_075dd	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.237	48.6	45.7	17.1	48.8	20.5	0.841	0.138	0.266	48.9	50.2	19.4	53.8	21.1	5.0	382	1.0	0.0	0.15	45.8	60.9	22.8	65.1	20.5
579	R18Y_087_075dd	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.362	47.9	46.3	10.5	47.5	12.8	0.838	0.142	0.369	47.7	51.6	11.4	52.9	12.5	5.4	371	1.0	0.0	0.316	44.9	61.7	14.0	63.3	12.8
580	R00Y_087_075dd	0.875	0.125	0.5	0.875	0.75	0.5	360	0.875	0.125	0.5	47.6	48.3	4.0	48.5	4.7	0.833	0.146	0.471	46.8	55.6	4.0	55.8	4.1	7.3	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
581	B65R_087_075dd	0.875	0.125	0.625	0.875	0.75	0.5	349	0.875	0.125	0.637	48.2	50.2	−3.5	50.4	355.9	0.835	0.157	0.578	46.7	58.5	−5.6	58.7	354.5	8.6	348	1.0	0.0	0.683	45.2	67.0	−4.7	67.2	355.9
582	B57R_087_075dd	0.875	0.125	0.75	0.875	0.75	0.5	339	0.875	0.125	0.762	48.7	52.6	−9.8	53.5	349.3	0.84	0.16	0.667	47.8	61.3	−14.5	63.0	346.6	9.9	337	1.0	0.0	0.85	46.0	70.1	−13.1	71.3	349.3
583	B50R_087_075dd	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.875	49.4	53.0	−12.9	54.6	346.2	0.839	0.164	0.71	48.2	61.7	−21.9	65.5	340.4	12.5	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
584	B43R_100_087dd	0.875	0.125	1.0	1.0	0.875	0.562	322	0.883	0.125	1.0	49.2	56.5	−18.8	59.6	341.6	0.845	0.151	0.808	47.9	59.5	−25.1	64.6	337.1	7.1	322	0.866	0.0	1.0	42.8	64.6	−21.4	68.1	341.6
585	R26Y_087_087dd	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.233	0.0	54.3	37.0	43.6	57.1	49.6	0.84	0.212	0.017	58.2	35.0	48.6	59.9	54.2	6.6	44	1.0	0.266	0.0	59.2	42.2	49.8	65.3	49.6
586	R15Y_087_075dd	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.237	0.125	54.1	40.7	34.4	53.3	40.1	0.872	0.195	0.108	57.2	34.8	35.2	49.5	45.2	6.6	37	1.0	0.15	0.0	53.1	54.3	45.9	71.1	40.1
587	R00Y_087_062dd	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	54.7	38.6	18.3	42.7	25.4	0.865	0.226	0.284	56.9	35.9	21.4	41.8	30.8	4.6	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
588	R31Y_087_062dd	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.364	54.5	38.1	13.1	40.3	18.9	0.857	0.235	0.356	56.0	38.0	12.7	40.1	18.5	1.5	380	1.0	0.0	0.183	45.5	61.1	21.0	64.6	18.9
589	R11Y_087_062dd	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.489	54.0	38.9	6.6	39.4	9.7	0.846	0.238	0.445	55.8	40.3	4.4	40.6	6.3	3.1	367	1.0	0.0	0.383	44.7	62.2	10.7	63.1	9.7
590	B69R_087_062dd	0.875	0.25	0.625	0.875	0.625	0.562	353	0.875	0.25	0.635	54.2	41.1	−0.7	41.1	358.9	0.848	0.243	0.553	55.2	44.4	−4.6	44.6	353.9	5.1	352	1.0	0.0	0.616	45.0	65.8	−1.2	65.8	358.9
591	B59R_087_062dd	0.875	0.25	0.75	0.875	0.625	0.562	341	0.875	0.25	0.76	54.7	43.4	−7.2	44.0	350.5	0.852	0.25	0.642	56.2	46.6	−14.6	48.8	342.5	8.2	339	1.0	0.0	0.816	45.8	69.5	−11.5	70.4	350.5
592	B50R_087_062dd	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.875	55.3	44.2	−10.8	45.5	346.2	0.854	0.253	0.69	56.9	50.2	−22.5	55.0	335.7	13.3	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
593	B42R_100_075dd	0.875	0.25	1.0	1.0	0.75	0.625	321	0.887	0.25	1.0	55.4	47.9	−16.4	50.7	341.1	0.865	0.24	0.772	55.8	52.4	−25.5	58.3	334.0	10.1	322	0.85	0.0	1.0	42.5	63.9	−21.8	67.6	341.1
594	R41Y_087_087dd	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.364	0.0	60.3	26.7	48.1	55.1	60.9	0.843	0.336	0.021	63.8	26.3	53.8	59.9	63.9	6.7	54	1.0	0.416	0.0	66.0	30.5	55.0	62.9	60.9
595	R31Y_087_075dd	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.362	0.125	60.4	28.7	38.7	48.2	53.4	0.869	0.332	0.109	62.3	25.7	38.1	46.0	55.9	3.4	48	1.0	0.316	0.0	61.6	38.2	51.6	64.3	53.4
596	R18Y_087_062dd	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.364	0.25	60.4	31.7	29.5	43.3	42.9	0.896	0.328	0.207	62.0	26.9	24.0	36.0	41.7	7.5	39	1.0	0.183	0.0	54.9	50.7	47.2	69.3	42.9
597	R00Y_087_050dd	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.375	60.8	30.8	14.6	34.1	25.4	0.88	0.359	0.379	61.4	29.0	14.8	32.6	27.0	1.9	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
598	R26Y_087_050dd	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.491	60.4	30.5	9.1	31.9	16.7	0.859	0.357	0.441	61.9	31.0	5.7	31.5	10.4	3.8	377	1.0	0.0	0.233	45.2	61.1	18.3	63.8	16.7
599	R00Y_087_050dd	0.875	0.375	0.625	0.875	0.5	0.625	360	0.875	0.375	0.625	60.0	32.2	2.6	32.3	4.7	0.855	0.351	0.527	61.7	33.5	−2.9	33.6	354.9	6.0	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
600	B61R_087_050dd	0.875	0.375	0.75	0.875	0.5	0.625	344	0.875	0.375	0.758	60.6	34.2	−4.5	34.5	352.4	0.859	0.361	0.629	62.1	38.8	−14.5	41.4	339.4	11.1	342	1.0	0.0	0.766	45.5	68.4	−9.1	69.0	352.4
601	B50R_087_050dd	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.875	61.2	35.3	−8.6	36.4	346.2	0.86	0.371	0.677	63.2	41.9	−23.0	47.9	331.1	16.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
602	B40R_100_062dd	0.875	0.375	1.0	1.0	0.625	0.687	319	0.885	0.375	1.0	61.5	39.0	−14.1	41.5	340.0	0.871	0.366	0.743	62.1	43.9	−26.8	51.4	328.5	13.6	320	0.816	0.0	1.0	41.8	62.5	−22.6	66.5	340.0
603	R58Y_087_087dd	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.51	0.0	65.8	17.3	53.1	55.8	71.9	0.849	0.478	0.015	67.5	17.5	56.5	59.2	72.7	3.8	65	1.0	0.583	0.0	72.3	19.7	60.7	63.8	71.9
604	R50Y_087_075dd	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.5	0.125	66.4	18.2	43.4	47.1	67.1	0.858	0.478	0.102	68.1	17.9	42.0	45.6	66.8	2.1	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
605	R38Y_087_062dd	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.489	0.25	66.4	20.5	33.5	39.4	58.5	0.88	0.47	0.187	67.5	18.4	25.5	31.5	54.2	8.3	52	1.0	0.383	0.0	64.6	32.9	53.7	63.0	58.5
606	R23Y_087_050dd	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.491	0.375	66.6	22.7	24.3	33.3	47.0	0.9	0.474	0.29	67.2	20.0	16.4	25.9	39.3	8.3	42	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47.0
607	R00Y_087_037dd	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	66.8	23.1	11.0	25.6	25.4	0.88	0.484	0.454	67.7	22.2	7.4	23.4	18.4	3.7	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
608	R18Y_087_037dd	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.618	66.4	23.1	5.2	23.7	12.8	0.859	0.482	0.517	68.1	25.1	−2.2	25.2	354.9	7.9	371	1.0	0.0	0.316	44.9	61.7	14.0	63.3	12.8
609	B65R_087_037dd	0.875	0.5	0.75	0.875	0.375	0.687	349	0.875	0.5	0.756	66.6	25.1	−1.7	25.2	355.9	0.856	0.481	0.604	68.1	29.7	−12.9	32.4	336.5	12.1	348	1.0	0.0	0.683	45.2	67.0	−4.7	67.2	355.9
610	B50R_087_037dd	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.875	67.2	26.5	−6.4	27.3	346.2	0.857	0.49	0.662	69.4	33.6	−22.4	40.5	326.2	17.6	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
611	B38R_100_050dd	0.875	0.5	1.0	1.0	0.5	0.75	316	0.883	0.5	1.0	67.5	30.2	−11.8	32.4	338.5	0.876	0.49	0.735	70.0	36.8	−25.3	44.7	325.4	15.2	317	0.766	0.0	1.0	40.8	60.4	−23.7	64.9	338.5
612	R73Y_087_087dd	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.641	0.0	72.2	6.9	54.4	54.8	82.7	0.822	0.611	0.056	74.7	9.5	62.8	63.5	81.3	9.1	75	1.0	0.733	0.0	79.6	7.9	62.1	62.7	82.7
613	R68Y_087_075dd	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.637	0.125	72.0	9.2	46.7	47.6	78.8	0.84	0.599	0.13	73.9	9.7	51.0	51.9	79.1	4.7	71	1.0	0.683	0.0	76.9	12.2	62.2	63.4	78.8
614	R61Y_087_062dd	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.635	0.25	72.0	11.1	38.5	40.1	73.8	0.858	0.595	0.186	73.4	10.9	29.9	31.9	69.8	8.7	67	1.0	0.616	0.0	73.4	17.8	61.7	64.2	73.8
615	R50Y_087_050dd	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.625	0.375	72.6	12.1	28.9	31.4	67.1	0.875	0.606	0.258	73.3	12.6	20.8	24.3	58.7	8.1	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
616	R31Y_087_037dd	0.875	0.625	0.5	0.875	0.375	0.687	49	0.875	0.618	0.5	72.7	14.3	19.3	24.1	53.4	0.882	0.606	0.392	74.0	14.0	10.3	17.5	36.3	9.0	48	1.0	0.316	0.0	61.6	38.2	51.6	64.3	53.4
617	R00Y_087_025dd	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	72.9	15.4	7.3	17.0	25.4	0.864	0.606	0.527	73.6	16.9	−0.3	16.9	358.6	7.9	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
618	R00Y_087_025dd	0.875	0.625	0.75	0.875	0.25	0.75	360	0.875	0.625	0.75	72.5	16.1	1.3	16.1	4.7	0.85	0.607	0.587	74.2	21.3	−12.3	24.6	329.9	14.7	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
619	B50R_087_025dd	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.875	73.1	17.6	−4.3	18.2	346.2	0.855	0.615	0.653	76.4	25.7	−21.6	33.6	320.0	19.3	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
620	B34R_100_037dd	0.875	0.625	1.0	1.0	0.375	0.812	311	0.881	0.625	1.0	73.6	21.4	−10.1	23.7	334.6	0.876	0.612	0.725	76.9	30.0	−24.6	38.9	320.6	17.2	311	0.683	0.0	1.0	39.3	57.1	−27.0	63.2	334.6
621	R86Y_087_087dd	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.758	0.0	76.3	1.1	50.4	50.4	88.6	0.804	0.695	0.126	82.5	2.3	70.7	70.7	88.0	21.2	82	1.0	0.866	0.0	84.3	1.3	57.6	57.6	88.6
622	R85Y_087_075dd	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.762	0.125	77.1	1.5	43.7	43.7	87.9	0.812	0.708	0.178	80.5	1.8	56.9	56.9	88.1	13.6	81	1.0	0.85	0.0	83.8	2.0	58.3	58.3	87.9
623	R81Y_087_062dd	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.76	0.25	77.8	2.1	37.2	37.3	86.6	0.821	0.717	0.227	80.4	3.6	37.0	37.2	84.3	3.0	80	1.0	0.816	0.0	82.7	3.4	59.6	59.7	86.6
624	R76Y_087_050dd	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.758	0.375	78.4	2.8	30.7	30.8	84.6	0.827	0.728	0.292	80.2	5.1	26.7	27.2	79.0	4.9	77	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84.6
625	R68Y_087_037dd	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.756	0.5	78.5	4.6	23.3	23.8	78.8	0.835	0.727	0.382	80.6	6.9	15.0	16.5	65.2	8.8	71	1.0	0.683	0.0	76.9	12.2	62.2	63.4	78.8
626	R50Y_087_025dd	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.75	0.625	78.8	6.0	14.4	15.7	67.1	0.835	0.726	0.481	80.6	10.4	3.3	10.9	18.0	12.0	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
627	R00Y_087_012dd	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	78.9	7.7	3.6	8.5	25.4	0.819	0.73	0.583	81.4	12.7	−10.0	16.1	321.7	14.7	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
628	B50R_087_012dd	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.875	79.0	8.8	−2.1	9.1	346.2	0.813	0.733	0.636	83.6	16.7	−20.9	26.7	308.6	20.8	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
629	B25R_100_025dd	0.875	0.75	1.0	1.0	0.25	0.875	300	0.875	0.75	1.0	79.5	12.5	−8.1	14.9	326.8	0.848	0.727	0.715	84.3	19.6	−24.5	31.3	308.6	18.4	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
630	Y00G_087_087dd	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.875	0.0	80.8	−6.2	58.0	58.3	96.1	0.76	0.793	0.09	87.8	−5.5	75.2	75.4	94.2	18.5	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
631	Y00G_087_075dd	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.875	0.125	81.4	−5.3	49.7	50.0	96.1	0.779	0.808	0.162	86.6	−5.1	61.3	61.5	94.7	12.7	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
632	Y00G_087_062dd	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.875	0.25	82.0	−4.4	41.4	41.7	96.1	0.792	0.819	0.224	86.2	−3.3	44.2	44.3	94.3	5.2	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
633	Y00G_087_050dd	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.875	0.375	82.6	−3.5	33.1	33.3	96.1	0.802	0.833	0.309	85.6	−2.0	31.8	31.8	93.7	3.6	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
634	Y00G_087_037dd	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.875	0.5	83.2	−2.6	24.8	25.0	96.1	0.805	0.842	0.405	86.9	0.1	20.4	20.4	89.6	6.4	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
635	Y00G_087_025dd	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.875	0.625	83.7	−1.7	16.5	16.6	96.1	0.798	0.844	0.496	87.6	2.4	7.5	7.9	71.9	10.6	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
636	Y00G_087_012dd	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.875	0.75	84.3	−0.8	8.2	8.3	96.1	0.782	0.857	0.575	88.1	5.0	−5.2	7.3	313.8	15.2	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
637	NW_087dd	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	88.8	10.1	−18.2	20.9	299.1	21.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
638	B00R_100_012dd	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.875	1.0	86.5	3.2	−5.5	6.4	299.9	0.81	0.863	0.723	90.1	11.7	−23.4	26.1	296.6	20.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
639	Y11G_100_100dd	0.875	1.0	0.0	1.0	1.0	0.5	97	0.883	1.0	0.0	91.0	−10.1	75.2	75.9	97.6	0.874	0.996	0.007	91.1	−10.3	75.8	76.5	97.8	0.6	96	0.883	1.0	0.0	91.0	−10.1	75.2	75.9	97.6
640	Y13G_100_087dd	0.875	1.0	0.125	1.0	0.875	0.562	98	0.883	1.0	0.125	91.3	−9.3	66.2	66.9	98.0	0.875	1.0	0.125	89.9	−9.6	65.5	66.2	98.3	1.5	97	0.866	1.0	0.0	90.9	−10.7	75.7	76.5	98.0
641	Y15G_100_075dd	0.875	1.0	0.25	1.0	0.75	0.625	99	0.887	1.0	0.25	91.4	−8.4	56.5	57.2	98.5	1.0	1.0	0.125	88.8	−8.2	46.7	47.4	100.0	10.1	97	0.85	1.0	0.0	90.4	−11.3	75.4	76.3	98.5
642	Y18G_100_062dd	0.875	1.0	0.375	1.0	0.625	0.687	101	0.885	1.0	0.375	91.3	−7.8	46.8	47.4	99.4	0.875	1.0	0.25	89.4	−7.9	37.1	37.9	102.0	9.8	99	0.816	1.0	0.0	89.6	−12.4	74.8	75.9	99.4
643	Y23G_100_050dd	0.875	1.0	0.5	1.0	0.5	0.75	104	0.883	1.0	0.5	91.3	−7.1	36.9	37.6	100.8	0.95	1.0	0.376	90.1	−7.0	26.9	27.8	104.6	10.1	102	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100.8
644	Y31G_100_037dd	0.875	1.0	0.625	1.0	0.375	0.812	109	0.881	1.0	0.625	90.2	−7.7	25.0	26.2	107.0	0.866	1.0	0.527	90.8	−5.5	16.8	17.7	108.2	8.5	108	0.683	1.0	0.0	83.4	−20.5	66.8	69.9	107.0
645	Y50G_100_025dd	0.875	1.0	0.75	1.0	0.25	0.875	120	0.875	1.0	0.75	88.8	−8.2	12.9	15.3	122.3	0.821	1.0	0.623	91.3	−1.3	2.0	2.4	122.0	13.1	119	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
646	G00B_100_012dd	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.875	89.2	−7.4	3.0	8.0	157.6	0.789	1.0	0.734	91.7	3.9	−12.9	13.5	286.9	19.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
647	G50B_100_012dd	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	1.0	89.0	−2.8	−5.8	6.5	244.1	0.8	1.0	0.798	90.9	7.4	−23.8	24.9	287.2	20.7	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
																	Mean color difference of this page:						**delta**		**9.0**									

1−1032630−F0

RE670−7N, Page 27/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

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

1−1032630−F0

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 28/33

n	HIC*$_{\mathrm{Fdd}}$	$rgb_{\_\mathrm{Fdd}}$			$ict_{\_\mathrm{Fdd}}$			$h_{\mathrm{si\_F,dd}}$	$rgb*_{\mathrm{Fdd}}$			$LabCh*_{\mathrm{Fdd}}$					$rgb'*_{\mathrm{Fdd}}$			$LabCh'*_{\mathrm{Fdd}}$					$DE'*_{\mathrm{Fdd}}$	$h_{\mathrm{siM,dd}}$	$rgb*_{\mathrm{Mdd}}$			$LabCh*_{\mathrm{Mdd}}$				
648	R00Y_100_100$_{dd}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4	0.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
649	R38Y_100_100$_{dd}$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.116	46.0	60.9	24.4	65.6	21.8	1.0	0.0	0.118	46.0	60.8	24.1	65.4	21.6	0.3	383	1.0	0.0	0.116	46.0	60.9	24.4	65.6	21.8
650	R26Y_100_100$_{dd}$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.233	45.2	61.1	18.3	63.8	16.7	1.0	0.0	0.234	45.0	61.1	17.4	63.6	15.9	0.8	377	1.0	0.0	0.233	45.2	61.1	18.3	63.8	16.7
651	R13Y_100_100$_{dd}$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.366	44.8	62.0	11.5	63.1	10.5	0.999	0.0	0.368	44.8	62.0	11.0	63.0	10.1	0.4	368	1.0	0.0	0.366	44.8	62.0	11.5	63.1	10.5
652	R00Y_100_100$_{dd}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7	0.0	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
653	B68R_100_100$_{dd}$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.633	45.1	66.1	−2.1	66.1	358.1	0.981	0.028	0.623	45.1	65.9	−1.7	65.9	358.5	0.4	351	1.0	0.0	0.633	45.1	66.1	−2.1	66.1	358.1
654	B61R_100_100$_{dd}$	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.766	45.5	68.4	−9.1	69.0	352.4	1.0	0.0	0.765	45.3	68.1	−8.3	68.6	353.0	0.8	342	1.0	0.0	0.766	45.5	68.4	−9.1	69.0	352.4
655	B55R_100_100$_{dd}$	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.883	46.2	70.6	−14.6	72.1	348.3	0.999	0.001	0.881	46.1	70.6	−14.4	72.0	348.4	0.1	336	1.0	0.0	0.883	46.2	70.6	−14.6	72.1	348.3
656	B50R_100_100$_{dd}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2	0.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
657	R11Y_100_100$_{dd}$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.116	0.0	51.4	57.5	43.7	72.2	37.2	1.0	0.116	0.0	51.8	57.0	44.8	72.5	38.1	1.1	36	1.0	0.116	0.0	51.4	57.5	43.7	72.2	37.2
658	R00Y_100_087$_{dd}$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	51.9	54.0	25.6	59.8	25.4	0.959	0.16	0.247	51.1	58.9	37.2	69.7	32.2	12.6	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
659	R36Y_100_087$_{dd}$	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.241	51.9	53.3	20.7	57.1	21.2	0.95	0.172	0.312	50.1	62.0	26.3	67.4	23.0	10.5	382	1.0	0.0	0.133	45.9	60.9	23.7	65.3	21.2
660	R23Y_100_087$_{dd}$	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.358	51.1	53.6	14.5	55.6	15.1	0.936	0.171	0.388	49.3	64.8	17.2	67.1	14.9	11.6	375	1.0	0.0	0.266	45.0	61.3	16.6	63.5	15.1
661	R08Y_100_087$_{dd}$	1.0	0.125	0.5	1.0	0.875	0.562	365	1.0	0.125	0.489	50.8	55.0	8.0	55.6	8.3	0.929	0.172	0.486	48.9	67.3	10.2	68.1	8.6	12.6	365	1.0	0.0	0.416	44.6	62.9	9.2	63.6	8.3
662	B70R_100_087$_{dd}$	1.0	0.125	0.625	1.0	0.875	0.562	355	1.0	0.125	0.635	51.0	57.3	0.5	57.3	0.5	0.933	0.182	0.589	48.0	70.8	0.7	70.8	0.6	13.7	354	1.0	0.0	0.583	44.9	65.5	0.6	65.5	0.5
663	B63R_100_087$_{dd}$	1.0	0.125	0.75	1.0	0.875	0.562	346	1.0	0.125	0.766	51.4	59.3	−6.5	59.7	353.7	0.935	0.183	0.682	48.9	72.0	−7.9	72.4	353.7	12.9	344	1.0	0.0	0.733	45.3	67.8	−7.4	68.2	353.7
664	B56R_100_087$_{dd}$	1.0	0.125	0.875	1.0	0.875	0.562	338	1.0	0.125	0.883	52.1	61.6	−12.2	62.8	348.7	0.945	0.182	0.765	49.6	73.3	−15.3	74.9	348.2	12.3	337	1.0	0.0	0.866	46.1	70.4	−13.9	71.8	348.7
665	B50R_100_087$_{dd}$	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	1.0	52.7	61.9	−15.1	63.7	346.2	0.946	0.187	0.81	51.0	69.1	−18.2	71.5	345.2	8.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
666	R23Y_100_100$_{dd}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47.0	1.0	0.233	0.0	58.5	43.6	49.1	65.7	48.4	2.0	42	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47.0
667	R13Y_100_087$_{dd}$	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.241	0.125	57.5	49.1	39.5	63.0	38.8	1.0	0.242	0.172	58.0	45.2	42.0	61.8	42.9	4.6	37	1.0	0.133	0.0	52.2	56.1	45.1	72.1	38.8
668	R00Y_100_075$_{dd}$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	57.9	46.3	22.0	51.2	25.4	0.98	0.282	0.354	57.6	47.4	32.0	57.2	34.0	10.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
669	R35Y_100_075$_{dd}$	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.362	57.9	45.7	17.1	48.8	20.5	0.966	0.287	0.406	56.0	52.1	20.8	56.1	21.7	7.6	382	1.0	0.0	0.15	45.8	60.9	22.8	65.1	20.5
670	R18Y_100_075$_{dd}$	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.487	57.2	46.3	10.5	47.5	12.8	0.949	0.278	0.484	55.5	55.0	12.2	56.3	12.5	9.0	371	1.0	0.0	0.316	44.9	61.7	14.0	63.3	12.8
671	R00Y_100_075$_{dd}$	1.0	0.25	0.625	1.0	0.75	0.625	360	1.0	0.25	0.625	56.9	48.3	4.0	48.5	4.7	0.947	0.276	0.565	55.3	58.3	1.9	58.4	1.9	10.3	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
672	B65R_100_075$_{dd}$	1.0	0.25	0.75	1.0	0.75	0.625	349	1.0	0.25	0.762	57.5	50.2	−3.5	50.4	355.9	0.949	0.285	0.66	56.2	60.6	−9.2	61.3	351.3	11.8	348	1.0	0.0	0.683	45.2	67.0	−4.7	67.2	355.9
673	B57R_100_075$_{dd}$	1.0	0.25	0.875	1.0	0.75	0.625	339	1.0	0.25	0.887	58.0	52.6	−9.8	53.5	349.3	0.956	0.283	0.736	58.1	61.6	−19.1	64.5	342.7	12.9	337	1.0	0.0	0.85	46.0	70.1	−13.1	71.3	349.3
674	B50R_100_075$_{dd}$	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	1.0	58.6	53.0	−12.9	54.6	346.2	0.958	0.287	0.777	59.7	58.1	−21.3	61.9	339.8	9.8	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
675	R36Y_100_100$_{dd}$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.366	0.0	63.9	34.2	53.1	63.2	57.2	0.999	0.367	0.0	64.3	33.5	53.4	63.0	57.8	0.8	51	1.0	0.366	0.0	63.9	34.2	53.1	63.2	57.2
676	R26Y_100_087$_{dd}$	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.358	0.125	63.6	37.0	43.6	57.1	49.6	1.0	0.365	0.144	64.1	34.8	44.6	56.6	52.0	2.4	44	1.0	0.266	0.0	59.2	42.2	49.8	65.3	49.6
677	R15Y_100_075$_{dd}$	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.362	0.25	63.4	40.7	34.4	53.3	40.1	1.0	0.372	0.25	63.4	37.2	34.7	50.9	43.0	3.5	37	1.0	0.15	0.0	53.1	54.3	45.9	71.1	40.1
678	R00Y_100_062$_{dd}$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	64.0	38.6	18.3	42.7	25.4	0.99	0.394	0.428	63.3	39.8	22.5	45.7	29.5	4.4	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
679	R31Y_100_062$_{dd}$	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.489	63.8	38.1	13.1	40.3	18.9	0.973	0.395	0.483	63.0	42.8	13.0	44.7	16.8	4.7	380	1.0	0.0	0.183	45.5	61.1	21.0	64.6	18.9
680	R11Y_100_062$_{dd}$	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.614	63.3	38.9	6.6	39.4	9.7	0.957	0.39	0.552	62.6	46.3	2.7	46.4	3.3	8.4	367	1.0	0.0	0.383	44.7	62.2	10.7	63.1	9.7
681	B69R_100_062$_{dd}$	1.0	0.375	0.75	1.0	0.625	0.687	353	1.0	0.375	0.76	63.5	41.1	−0.7	41.1	358.9	0.959	0.393	0.643	64.3	47.3	−8.3	48.1	349.9	9.8	352	1.0	0.0	0.616	45.0	65.8	−1.2	65.8	358.9
682	B59R_100_062$_{dd}$	1.0	0.375	0.875	1.0	0.625	0.687	341	1.0	0.375	0.885	63.9	43.4	−7.2	44.0	350.5	0.964	0.388	0.716	65.6	49.8	−18.7	53.2	339.3	13.3	339	1.0	0.0	0.816	45.8	69.5	−11.5	70.4	350.5
683	B50R_100_062$_{dd}$	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	1.0	64.6	44.2	−10.8	45.5	346.2	0.967	0.391	0.76	67.3	49.0	−22.2	53.9	335.6	12.7	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
684	R50Y_100_100$_{dd}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1	0.0	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
685	R41Y_100_087$_{dd}$	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.489	0.125	69.5	26.7	48.1	55.1	60.9	1.0	0.49	0.148	69.8	24.3	49.9	55.5	64.0	3.0	54	1.0	0.416	0.0	66.0	30.5	55.0	62.9	60.9
686	R31Y_100_075$_{dd}$	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.487	0.25	69.7	28.7	38.7	48.2	53.4	1.0	0.492	0.239	69.8	26.5	35.7	44.5	53.3	3.7	48	1.0	0.316	0.0	61.6	38.2	51.6	64.3	53.4
687	R18Y_100_062$_{dd}$	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.489	0.375	69.6	31.7	29.5	43.3	42.9	1.0	0.492	0.349	69.5	29.1	25.0	38.4	40.7	5.1	39	1.0	0.183	0.0	54.9	50.7	47.2	69.3	42.9
688	R00Y_100_050$_{dd}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	70.0	30.8	14.6	34.1	25.4	0.998	0.499	0.506	70.2	30.6	15.2	34.2	26.5	0.6	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
689	R26Y_100_050$_{dd}$	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.616	69.7	30.5	9.1	31.9	16.7	0.976	0.498	0.551	70.6	33.6	3.6	33.8	6.2	6.3	377	1.0	0.0	0.233	45.2	61.1	18.3	63.8	16.7
690	R00Y_100_050$_{dd}$	1.0	0.5	0.75	1.0	0.5	0.75	360	1.0	0.5	0.75	69.3	32.2	2.6	32.3	4.7	0.968	0.491	0.617	70.9	37.6	−8.3	38.5	347.4	12.3	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
691	B61R_100_050$_{dd}$	1.0	0.5	0.875	1.0	0.5	0.75	344	1.0	0.5	0.883	69.8	34.2	−4.5	34.5	352.4	0.968	0.497	0.695	71.5	41.1	−18.8	45.2	335.4	15.9	342	1.0	0.0	0.766	45.5	68.4	−9.1	69.0	352.4
692	B50R_100_050$_{dd}$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	70.5	35.3	−8.6	36.4	346.2	0.973	0.506	0.741	72.3	41.0	−22.1	46.6	331.6	14.7	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
693	R63Y_100_100$_{dd}$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.633	0.0	74.2	16.6	62.0	64.2	74.9	0.999	0.632	0.0	73.7	17.3	61.9	64.3	74.3	0.8	68	1.0	0.633	0.0	74.2	16.6	62.0	64.2	74.9
694	R58Y_100_087$_{dd}$	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.635	0.125	75.1	17.3	53.1	55.8	71.9	1.0	0.615	0.123	75.2	15.7	52.8	55.1	73.3	1.5	65	1.0	0.583	0.0	72.3	19.7	60.7	63.8	71.9
695	R50Y_100_075$_{dd}$	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.625	0.25	75.7	18.2	43.4	47.1	67.1	1.0	0.623	0.231	75.3	17.5	39.9	43.6	66.2	3.5	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
696	R38Y_100_062$_{dd}$	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.614	0.375	75.7	20.5	33.5	39.4	58.5	1.0	0.623	0.334	75.2	19.9	27.7	34.2	54.2	5.8	52	1.0	0.383	0.0	64.6	32.9	53.7	63.0	58.5
697	R23Y_100_050$_{dd}$	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.616	0.5	75.9	22.7	24.3	33.3	47.0	1.0	0.618	0.434	76.1	21.0	16.9	27.0	38.8	7.6	42	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47.0
698	R00Y_100_037$_{dd}$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	76.1	23.1	11.0	25.6	25.4	1.0	0.615	0.559	76.9	24.0	4.5	24.4	10.7	6.5	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
699	R18Y_100_037$_{dd}$	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.743	75.7	23.1	5.2	23.7	12.8	0.978	0.613	0.606	77.8	27.5	−8.0	28.7	343.7	14.1	371	1.0	0.0	0.316	44.9	61.7	14.0	63.3	12.8
700	B65R_100_037$_{dd}$	1.0	0.625	0.875	1.0	0.375	0.812	349	1.0	0.625	0.881	75.8	25.1	−1.7	25.2	355.9	0.973	0.61	0.676	78.6	31.2	−19.0	36.6	328.6	18.5	348	1.0	0.0	0.683	45.2	67.0	−4.7	67.2	355.9
701	B50R_100_037$_{dd}$	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	1.0	76.4	26.5	−6.4	27.3	346.2	0.977	0.613	0.725	78.7	32.4	−22.2	39.3	325.5	17.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
702	R76Y_100_100$_{dd}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84.6	0.986	0.758	0.012	80.6	6.5	62.0	62.4	83.9	1.1	77	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84.6
703	R73Y_100_087$_{dd}$	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.766	0.125	81.5	6.9	54.4	54.8	82.7	1.0	0.771	0.061	80.7	7.9	48.9	49.5	80.8	5.6	75	1.0	0.733	0.0	79.6	7.9	62.1	62.7	82.7
704	R68Y_100_075$_{dd}$	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.762	0.25	81.2	9.2	46.7	47.6	78.8	1.0	0.75	0.125	80.8	9.0	39.3	40.3	77.0	7.4	71	1.0	0.683	0.0	76.9	12.2	62.2	63.4	78.8
705	R61Y_100_062$_{dd}$	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.76	0.375	81.2	11.1	38.5	40.1	73.8	1.0	0.749	0.28	80.8	11.0	31.5	33.3	70.6	7.0	67	1.0	0.616	0.0	73.4	17.8	61.7	64.2	73.8
706	R50Y_100_050$_{dd}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.75	0.5	81.9	12.1	28.9	31.4	67.1	1.0	0.761	0.431	81.7	11.9	22.3	25.3	61.9	6.6	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
707	R31Y_100_037$_{dd}$	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.743	0.625	82.0	14.3	19.3	24.1	53.4	1.0	0.743	0.541	82.3	14.8	9.1	17.4	31.5	10.2	48	1.0	0.316	0.0	61.6	38.2	51.6	64.3	53.4
708	R00Y_100_025$_{dd}$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	82.1	15.4	7.3	17.0	25.4	0.995	0.741	0.634	84.8	16.9	−5.4	17.7	342.2	13.1	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
709	R00Y_100_025$_{dd}$	1.0	0.75	0.875	1.0	0.25	0.875	360	1.0	0.75	0.875	81.8	16.1	1.3	16.1	4.7	0.97	0.728	0.674	84.4	22.5	−17.1	28.3	322.6	19.7	360	1.0	0.0	0.5	44.4	64.5	5.3	64.7	4.7
710	B50R_100_025$_{dd}$	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	1.0	82.4	17.6	−4.3	18.2	346.2	0.974	0.723	0.726	85.6	23.1	−22.0	31.9	316.3	18.7	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
711	R88Y_100_100$_{dd}$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.883	0.0	84.9	0.5	57.9	57.9	89.4	0.994	0.877	0.008	84.6	1.0	57.3	57.3	88.9	0.8	83	1.0	0.883	0.0	84.9	0.5	57.9	57.9	89.4
712	R86Y_100_087$_{dd}$	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.883	0.125	85.6	1.1	50.4	50.4	88.6	1.0	0.875	0.125	85.4	0.9	51.0	51.0	88.9	0.6	82	1.0	0.866	0.0	84.3	1.3	57.6	57.6	88.6
713	R85Y_100_075$_{dd}$	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.887	0.25	86.4	1.5	43.7	43.7	87.9	1.0	0.874	0.207	85.4	2.5	41.0	41.1	86.4	3.0	81	1.0	0.85	0.0	83.8	2.0	58.3	58.3	87.9
714	R81Y_100_062$_{dd}$	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.885	0.375	87.0	2.1	37.2	37.3	86.6	1.0	0.913	0.32	85.5	4.2	32.0	32.3	82.4	5.7	80	1.0	0.816	0.0	82.7	3.4	59.6	59.7	86.6
715	R76Y_100_050$_{dd}$	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.883	0.5	87.7	2.8	30.7	30.8	84.6	1.0	0.917	0.418	86.2	5.4	23.4	24.0	76.9	7.8	77	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84.6
716	R68Y_100_037$_{dd}$	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.881	0.625	87.7	4.6	23.3	23.8	78.8	1.0	0.909	0.522	86.9	7.3	13.2	15.1	61.1	10.4	71	1.0	0.683	0.0	76.9	12.2	62.2	63.4	78.8
717	R50Y_100_025$_{dd}$	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.875	0.75	88.0	6.0	14.4	15.7	67.1	1.0	0.903	0.623	90.2	7.2	0.2	7.2	2.2	14.3	59	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
718	R00Y_100_012$_{dd}$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	88.2	7.7	3.6	8.5	25.4	0.979	0.86	0.702	90.5	12.2	−12.2	17.3	315.0	16.6	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
719	B50R_100_012$_{dd}$	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	1.0	88.3	8.8	−2.1	9.1	346.2	0.968	0.845	0.746	91.5	15.0	−21.0	25.9	305.4	20.1	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
720	Y00G_100_100$_{dd}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1	0.0	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
721	Y00G_100_087$_{dd}$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	1.0	0.125	90.0	−6.2	58.0	58.3	96.1	1.0	1.0	0.125	89.8	−6.5	58.5	58.8	96.3	0.6	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
722	Y00G_100_075$_{dd}$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	1.0	0.25	90.6	−5.3	49.7	50.0	96.1	1.0	1.0	0.211	89.8	−4.4	45.5	45.7	95.6	4.3	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
723	Y00G_100_062$_{dd}$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	1.0	0.375	91.2	−4.4	41.4	41.7	96.1	1.0	1.0	0.313	91.0	−4.4	36.6	36.9	96.9	4.8	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
724	Y00G_100_050$_{dd}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	91.8	−3.5	33.1	33.3	96.1	1.0	1.0	0.424	91.5	−2.9	27.0	27.2	96.3	6.1	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
725	Y00G_100_037$_{dd}$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	1.0	0.625	92.4	−2.6	24.8	25.0	96.1	1.0	1.0	0.532	92.1	−1.0	16.8	16.8	93.4	8.2	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
726	Y00G_100_025$_{dd}$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	1.0	0.75	93.0	−1.7	16.5	16.6	96.1	1.0	1.0	0.625	93.6	0.8	6.3	6.4	82.6	10.5	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
727	Y00G_100_012$_{dd}$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	1.0	0.875	93.6	−0.8	8.2	8.3	96.1	0.98	1.0	0.73	93.8	5.0	−5.9	7.7	310.4	15.4	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
728	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta** **7.3**

1−1032730−F0

RE670−7N, Page 28/33−F

TUB-test chart RE67; 1080 standard colours, cf=1
colors and differences, $\Delta E'*$

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

1−1032730−F0

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 29/33

n	HIC*Fdd	*rgb*_Fdd			*ict*_Fdd			$h_{si\_F,dd}$	*rgb**Fdd			*LabCh**Fdd					*rgb'**Fdd			*LabCh'**Fdd					*DE'**Fdd	$h_{siM,dd}$	*rgb**Mdd			*LabCh**Mdd				
729	NW_100dd	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.4	0.1	−0.1	0.1	305.9	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
730	G50B_100_012dd	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	1.0	89.0	−2.8	−5.8	6.5	244.1	0.8	1.0	0.798	90.9	7.3	−24.1	25.2	286.9	20.9	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
731	G50B_100_025dd	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	1.0	83.7	−5.7	−11.7	13.0	244.1	0.657	0.969	0.746	85.2	2.7	−29.9	30.0	275.2	20.0	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
732	G50B_100_037dd	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	1.0	78.4	−8.5	−17.6	19.6	244.1	0.548	0.872	0.72	80.3	−1.0	−34.3	34.3	268.3	18.4	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
733	G50B_100_050dd	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	73.1	−11.4	−23.5	26.1	244.1	0.448	0.848	0.728	74.3	−5.4	−39.1	39.5	262.1	16.7	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
734	G50B_100_062dd	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	1.0	67.9	−14.2	−29.3	32.6	244.1	0.342	0.845	0.752	68.6	−9.7	−41.7	42.8	256.9	13.2	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
735	G50B_100_075dd	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	1.0	62.6	−17.1	−35.2	39.2	244.1	0.229	0.854	0.79	60.5	−16.9	−44.5	47.6	249.2	9.4	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
736	G50B_100_087dd	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	1.0	57.3	−19.9	−41.1	45.7	244.1	0.118	0.837	0.845	54.7	−21.4	−46.1	50.9	245.1	5.8	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
737	G50B_100_100dd	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1	0.0	1.0	1.0	51.2	−22.7	−48.3	53.4	244.8	1.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
738	R00Y_100_012dd	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	88.2	7.7	3.6	8.5	25.4	0.979	0.86	0.702	90.5	12.9	−13.4	18.6	313.9	18.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
739	NW_087dd	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	89.2	10.2	−18.5	21.1	299.0	21.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
740	G50B_087_012dd	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.875	79.7	−2.8	−5.8	6.5	244.1	0.643	0.814	0.619	87.0	4.9	−25.5	26.0	280.9	22.4	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
741	G50B_087_025dd	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.875	74.4	−5.7	−11.7	13.0	244.1	0.538	0.779	0.617	81.5	−0.1	−31.2	31.2	269.7	21.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
742	G50B_087_037dd	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.875	69.1	−8.5	−17.6	19.6	244.1	0.437	0.757	0.621	75.6	−5.2	−35.7	36.0	261.7	19.4	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
743	G50B_087_050dd	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.875	63.9	−11.4	−23.5	26.1	244.1	0.328	0.741	0.635	69.4	−9.5	−40.2	41.3	256.6	17.7	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
744	G50B_087_062dd	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.875	58.6	−14.2	−29.3	32.6	244.1	0.219	0.727	0.659	64.3	−13.9	−41.5	43.8	251.4	13.4	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
745	G50B_087_075dd	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.875	53.3	−17.1	−35.2	39.2	244.1	0.114	0.678	0.673	57.9	−20.9	−42.4	47.3	243.7	9.3	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
746	G50B_087_087dd	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.875	48.1	−19.9	−41.1	45.7	244.1	0.014	0.59	0.644	50.7	−24.6	−46.3	52.5	242.0	7.4	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
747	R00Y_100_025dd	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	82.1	15.4	7.3	17.0	25.4	0.995	0.741	0.634	85.4	17.4	−8.1	19.2	334.8	15.9	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
748	R00Y_087_012dd	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	78.9	7.7	3.6	8.5	25.4	0.819	0.73	0.583	82.0	13.6	−11.4	17.7	320.1	16.4	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
749	NW_075dd	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	79.9	8.7	−15.4	17.7	299.5	18.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
750	G50B_075_012dd	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.75	70.4	−2.8	−5.8	6.5	244.1	0.538	0.687	0.516	77.4	3.5	−22.7	22.9	278.9	19.3	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
751	G50B_075_025dd	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.75	65.1	−5.7	−11.7	13.0	244.1	0.438	0.657	0.523	72.4	−2.8	−28.2	28.3	264.1	18.2	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
752	G50B_075_037dd	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.75	59.9	−8.5	−17.6	19.6	244.1	0.343	0.636	0.536	66.3	−7.9	−32.8	33.7	256.4	16.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
753	G50B_075_050dd	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	54.6	−11.4	−23.5	26.1	244.1	0.247	0.623	0.545	60.0	−11.4	−35.4	37.2	252.0	13.1	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
754	G50B_075_062dd	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.75	49.3	−14.2	−29.3	32.6	244.1	0.121	0.582	0.545	55.8	−17.4	−39.0	42.7	245.8	12.0	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
755	G50B_075_075dd	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.75	44.0	−17.1	−35.2	39.2	244.1	0.011	0.509	0.515	50.7	−26.1	−44.5	51.6	239.5	14.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
756	R00Y_100_037dd	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	76.1	23.1	11.0	25.6	25.4	1.0	0.615	0.559	77.5	24.0	1.8	24.0	4.3	9.3	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
757	R00Y_087_025dd	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	72.9	15.4	7.3	17.0	25.4	0.864	0.606	0.527	75.2	17.3	−3.1	17.6	349.6	10.9	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
758	R00Y_075_012dd	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	69.6	7.7	3.6	8.5	25.4	0.706	0.598	0.48	73.5	12.1	−8.8	15.0	323.7	13.8	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
759	NW_062dd	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	69.5	7.2	−12.5	14.4	300.0	14.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
760	G50B_062_012dd	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.625	61.1	−2.8	−5.8	6.5	244.1	0.444	0.57	0.436	66.3	1.3	−21.2	21.3	273.5	16.7	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
761	G50B_062_025dd	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.625	55.8	−5.7	−11.7	13.0	244.1	0.351	0.542	0.442	61.8	−4.5	−25.4	25.8	259.7	14.9	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
762	G50B_062_037dd	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.625	50.6	−8.5	−17.6	19.6	244.1	0.265	0.525	0.451	55.5	−8.4	−29.6	30.8	254.1	12.9	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
763	G50B_062_050dd	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.625	45.3	−11.4	−23.5	26.1	244.1	0.14	0.493	0.44	51.8	−14.0	−34.3	37.1	247.7	12.9	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
764	G50B_062_062dd	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.625	40.0	−14.2	−29.3	32.6	244.1	0.011	0.4	0.418	48.4	−23.5	−42.6	48.7	241.0	18.2	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
765	R00Y_100_050dd	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	70.0	30.8	14.6	34.1	25.4	0.998	0.499	0.506	71.3	29.6	12.6	32.2	23.1	2.6	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
766	R00Y_087_037dd	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	66.8	23.1	11.0	25.6	25.4	0.88	0.484	0.454	69.1	21.9	5.2	22.5	13.4	6.3	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
767	R00Y_075_025dd	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	63.6	15.4	7.3	17.0	25.4	0.758	0.487	0.436	65.4	15.3	1.1	15.3	4.3	6.4	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
768	R00Y_062_012dd	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	60.3	7.7	3.6	8.5	25.4	0.599	0.476	0.381	61.3	10.5	−5.3	11.8	333.0	9.5	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
769	NW_050dd	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	58.5	5.6	−9.4	11.0	300.8	11.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
770	G50B_050_012dd	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.5	51.8	−2.8	−5.8	6.5	244.1	0.347	0.46	0.359	55.4	−0.7	−18.4	18.4	267.7	13.1	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
771	G50B_050_025dd	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.5	46.6	−5.7	−11.7	13.0	244.1	0.275	0.441	0.369	50.7	−6.6	−24.7	25.6	255.0	13.6	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
772	G50B_050_037dd	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.5	41.3	−8.5	−17.6	19.6	244.1	0.162	0.392	0.351	47.4	−9.6	−30.3	31.8	252.3	14.1	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
773	G50B_050_050dd	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	36.0	−11.4	−23.5	26.1	244.1	0.0	0.288	0.31	44.0	−16.6	−37.4	40.9	245.9	16.8	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
774	R00Y_100_062dd	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	64.0	38.6	18.3	42.7	25.4	0.99	0.394	0.428	63.6	39.4	22.9	45.6	30.2	4.7	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
775	R00Y_087_050dd	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.375	60.8	30.8	14.6	34.1	25.4	0.88	0.359	0.379	62.0	29.0	11.8	31.3	22.1	3.5	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
776	R00Y_075_037dd	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	57.5	23.1	11.0	25.6	25.4	0.771	0.364	0.354	57.8	21.5	7.3	22.7	18.7	4.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
777	R00Y_062_025dd	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	54.3	15.4	7.3	17.0	25.4	0.632	0.362	0.319	53.1	15.2	2.9	15.4	10.8	4.5	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
778	R00Y_050_012dd	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	51.1	7.7	3.6	8.5	25.4	0.496	0.363	0.307	49.7	10.0	−3.3	10.5	341.5	7.5	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
779	NW_037dd	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	49.4	4.3	−7.3	8.4	300.6	8.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
780	G50B_037_012dd	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.375	42.6	−2.8	−5.8	6.5	244.1	0.273	0.357	0.294	45.4	−3.5	−18.3	18.6	259.1	12.8	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
781	G50B_037_025dd	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.375	37.3	−5.7	−11.7	13.0	244.1	0.171	0.317	0.287	44.3	−7.2	−24.6	25.6	253.5	14.7	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
782	G50B_037_037dd	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.375	32.0	−8.5	−17.6	19.6	244.1	0.0	0.204	0.22	41.4	−13.8	−29.7	32.7	245.0	16.1	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
783	R00Y_100_075dd	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	57.9	46.3	22.0	51.2	25.4	0.98	0.282	0.354	58.5	46.4	30.9	55.8	33.7	8.9	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
784	R00Y_087_062dd	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	54.7	38.6	18.3	42.7	25.4	0.865	0.226	0.284	56.4	36.3	20.5	41.7	29.4	3.5	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
785	R00Y_075_050dd	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.5	30.8	14.6	34.1	25.4	0.768	0.23	0.268	51.0	28.2	14.6	31.7	27.4	2.7	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
786	R00Y_062_037dd	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	48.2	23.1	11.0	25.6	25.4	0.647	0.242	0.255	46.3	20.5	11.4	23.5	29.1	3.2	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
787	R00Y_050_025dd	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.249	45.0	15.4	7.3	17.0	25.4	0.525	0.246	0.244	42.8	14.2	5.9	15.4	22.8	2.9	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
788	R00Y_037_012dd	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.249	41.8	7.7	3.6	8.5	25.4	0.375	0.26	0.225	40.2	9.9	0.1	9.9	1.1	4.4	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
789	NW_025dd	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	38.3	2.7	−4.2	5.0	302.3	5.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
790	G50B_025_012dd	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.25	33.3	−2.8	−5.8	6.5	244.1	0.155	0.227	0.195	37.7	−5.0	−16.7	17.4	253.1	11.9	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
791	G50B_025_025dd	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.25	28.0	−5.7	−11.7	13.0	244.1	0.0	0.116	0.125	37.7	−9.3	−21.5	23.4	246.5	14.2	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
792	R00Y_100_087dd	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	51.9	54.0	25.6	59.8	25.4	0.959	0.16	0.247	52.0	57.6	35.7	67.8	31.7	10.6	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
793	R00Y_087_075dd	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	48.7	46.3	22.0	51.2	25.4	0.845	0.127	0.201	50.5	46.4	29.3	54.8	32.2	7.5	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
794	R00Y_075_062dd	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	45.4	38.6	18.3	42.7	25.4	0.758	0.116	0.181	45.6	34.5	21.4	40.6	31.7	5.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
795	R00Y_062_050dd	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	42.2	30.8	14.6	34.1	25.4	0.628	0.122	0.178	41.0	28.3	20.0	34.6	35.2	6.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
796	R00Y_050_037dd	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.124	39.0	23.1	11.0	25.6	25.4	0.504	0.117	0.159	38.3	20.5	14.7	25.2	35.7	4.6	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
797	R00Y_037_025dd	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.124	35.7	15.4	7.3	17.0	25.4	0.367	0.109	0.143	35.6	13.0	9.5	16.1	36.0	3.2	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
798	R00Y_025_012dd	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.124	32.5	7.7	3.6	8.5	25.4	0.281	0.155	0.153	32.5	7.9	4.2	9.0	28.2	0.6	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
799	NW_012dd	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	26.1	0.9	−1.2	1.5	305.7	3.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
800	G50B_012_012dd	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.125	24.0	−2.8	−5.8	6.5	244.1	0.0	0.044	0.044	31.7	−6.2	−13.1	14.4	244.6	11.0	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
801	R00Y_100_100dd	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4	1.0	0.0	0.0	45.7	61.0	27.3	66.8	24.1	2.1	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
802	R00Y_087_087dd	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	42.6	54.0	25.6	59.8	25.4	0.865	0.015	0.011	40.5	52.7	22.2	57.2	22.8	4.1	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
803	R00Y_075_075dd	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	39.4	46.3	22.0	51.2	25.4	0.738	0.028	0.045	37.1	47.0	21.2	51.6	24.2	2.5	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
804	R00Y_062_062dd	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	36.2	38.6	18.3	42.7	25.4	0.601	0.024	0.071	33.3	41.4	20.9	46.4	26.7	4.8	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
805	R00Y_050_050dd	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.9	30.8	14.6	34.1	25.4	0.457	0.01	0.057	30.6	35.1	19.7	40.3	29.3	7.0	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
806	R00Y_037_037dd	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	29.7	23.1	11.0	25.6	25.4	0.347	0.0	0.041	29.0	25.1	15.7	29.6	32.0	5.2	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
807	R00Y_025_025dd	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	26.5	15.4	7.3	17.0	25.4	0.27	0.0	0.042	28.4	13.6	9.5	16.6	35.0	3.4	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
808	R00Y_012_012dd	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	23.2	7.7	3.6	8.5	25.4	0.142	0.0	0.022	25.6	7.0	5.1	8.7	35.7	2.8	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
809	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	356.7	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
																	Mean color difference of this page:							**delta**	**10.3**									

1−1032830−F0

RE670−7N, Page 29/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1032830−F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 30/33

n	HIC*$_{Fdd}$	*rgb*$_{\_Fdd}$			*ict*$_{\_Fdd}$			*h*$_{si\_F,dd}$	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*rgb'**$_{Fdd}$			*LabCh'**$_{Fdd}$					*DE'**$_{Fdd}$	*h*$_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
810	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.5	0.0	−0.3	0.3	281.9	0.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
811	B00R_100_012$_{dd}$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.875	1.0	86.5	3.2	−5.5	6.4	299.9	0.81	0.863	0.723	89.7	12.3	−23.8	26.8	297.3	20.6	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
812	B00R_100_025$_{dd}$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.75	1.0	78.7	6.4	−11.1	12.8	299.9	0.735	0.748	0.693	80.6	12.4	−29.7	32.2	292.6	19.6	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
813	B00R_100_037$_{dd}$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.625	1.0	71.0	9.6	−16.7	19.2	299.9	0.638	0.618	0.678	68.6	15.2	−34.8	38.0	293.6	19.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
814	B00R_100_050$_{dd}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	63.3	12.8	−22.2	25.7	299.9	0.562	0.52	0.701	56.6	17.6	−39.5	43.2	294.1	19.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
815	B00R_100_062$_{dd}$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.375	1.0	55.5	16.0	−27.8	32.1	299.9	0.475	0.415	0.751	47.9	21.0	−42.2	47.1	296.5	17.0	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
816	B00R_100_075$_{dd}$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.25	1.0	47.8	19.2	−33.4	38.5	299.9	0.362	0.299	0.765	39.0	24.6	−44.5	50.8	298.9	15.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
817	B00R_100_087$_{dd}$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.125	1.0	40.1	22.4	−38.9	44.9	299.9	0.215	0.174	0.783	35.9	24.5	−45.2	51.4	298.5	7.8	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
818	B00R_100_100$_{dd}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9	0.0	0.0	1.0	31.8	25.2	−46.3	52.7	298.5	1.8	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
819	Y00G_100_012$_{dd}$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	1.0	0.875	93.6	−0.8	8.2	8.3	96.1	0.98	1.0	0.73	94.2	5.7	−7.4	9.3	307.5	17.0	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
820	NW_087$_{dd}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	90.0	10.2	−18.6	21.2	298.8	21.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
821	B00R_087_012$_{dd}$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.75	0.875	77.2	3.2	−5.5	6.4	299.9	0.693	0.732	0.608	82.3	11.1	−24.3	26.8	294.5	21.0	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
822	B00R_087_025$_{dd}$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.625	0.875	69.5	6.4	−11.1	12.8	299.9	0.609	0.609	0.583	71.2	13.2	−30.3	33.0	293.6	20.4	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
823	B00R_087_037$_{dd}$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.5	0.875	61.7	9.6	−16.7	19.2	299.9	0.538	0.511	0.594	61.0	16.3	−36.7	40.2	293.9	21.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
824	B00R_087_050$_{dd}$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.375	0.875	54.0	12.8	−22.2	25.7	299.9	0.457	0.414	0.619	49.5	19.7	−41.7	46.1	295.3	21.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
825	B00R_087_062$_{dd}$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.25	0.875	46.3	16.0	−27.8	32.1	299.9	0.344	0.287	0.642	40.5	22.4	−44.0	49.4	297.0	18.3	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
826	B00R_087_075$_{dd}$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.125	0.875	38.5	19.2	−33.4	38.5	299.9	0.192	0.145	0.643	36.3	22.4	−45.1	50.3	296.4	12.3	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
827	B00R_087_087$_{dd}$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.0	0.875	30.8	22.4	−38.9	44.9	299.9	0.059	0.041	0.578	29.9	26.8	−45.8	53.1	300.3	8.2	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
828	Y00G_100_025$_{dd}$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	1.0	0.75	93.0	−1.7	16.5	16.6	96.1	1.0	1.0	0.625	93.7	2.2	2.3	3.2	46.0	14.8	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
829	Y00G_087_012$_{dd}$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.875	0.75	84.3	−0.8	8.2	8.3	96.1	0.782	0.857	0.575	89.6	6.2	−8.2	10.3	306.9	18.8	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
830	NW_075$_{dd}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	80.6	8.8	−15.7	18.0	299.4	18.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
831	B00R_075_012$_{dd}$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.625	0.75	67.9	3.2	−5.5	6.4	299.9	0.577	0.597	0.497	71.6	10.3	−22.3	24.6	294.8	18.6	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
832	B00R_075_025$_{dd}$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.5	0.75	60.2	6.4	−11.1	12.8	299.9	0.51	0.506	0.522	61.0	11.5	−26.2	28.6	293.6	15.9	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
833	B00R_075_037$_{dd}$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.375	0.75	52.4	9.6	−16.7	19.2	299.9	0.438	0.4	0.515	51.7	12.7	−31.1	33.6	292.3	14.7	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
834	B00R_075_050$_{dd}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	44.7	12.8	−22.2	25.7	299.9	0.342	0.292	0.53	45.4	16.6	−36.1	39.7	294.7	14.4	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
835	B00R_075_062$_{dd}$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.125	0.75	37.0	16.0	−27.8	32.1	299.9	0.208	0.155	0.545	39.3	18.5	−41.2	45.2	294.2	13.8	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
836	B00R_075_075$_{dd}$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.0	0.75	29.2	19.2	−33.4	38.5	299.9	0.055	0.009	0.467	28.7	26.5	−45.7	52.8	300.0	14.3	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
837	Y00G_100_037$_{dd}$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	1.0	0.625	92.4	−2.6	24.8	25.0	96.1	1.0	1.0	0.532	92.2	0.6	11.9	11.9	87.0	13.3	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
838	Y00G_087_025$_{dd}$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.875	0.625	83.7	−1.7	16.5	16.6	96.1	0.798	0.844	0.496	88.6	3.3	4.7	5.8	55.3	13.7	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
839	Y00G_075_012$_{dd}$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.75	0.625	75.1	−0.8	8.2	8.3	96.1	0.657	0.712	0.449	81.0	5.7	−6.4	8.6	311.3	17.2	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
840	NW_062$_{dd}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	70.8	7.3	−12.9	14.8	299.8	15.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
841	B00R_062_012$_{dd}$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.5	0.625	58.6	3.2	−5.5	6.4	299.9	0.481	0.494	0.43	60.6	8.9	−20.5	22.4	293.5	16.1	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
842	B00R_062_025$_{dd}$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.375	0.625	50.9	6.4	−11.1	12.8	299.9	0.401	0.385	0.428	50.3	10.0	−25.4	27.3	291.4	14.7	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
843	B00R_062_037$_{dd}$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.25	0.625	43.2	9.6	−16.7	19.2	299.9	0.327	0.287	0.433	44.0	12.2	−29.9	32.3	292.2	13.5	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
844	B00R_062_050$_{dd}$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.125	0.625	35.4	12.8	−22.2	25.7	299.9	0.223	0.164	0.452	38.6	16.4	−35.1	38.8	295.1	13.7	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
845	B00R_062_062$_{dd}$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.0	0.625	27.7	16.0	−27.8	32.1	299.9	0.041	0.0	0.388	28.1	25.9	−45.9	52.7	299.4	20.6	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
846	Y00G_100_050$_{dd}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	91.8	−3.5	33.1	33.3	96.1	1.0	1.0	0.424	91.7	−1.8	22.6	22.7	94.6	10.6	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
847	Y00G_087_037$_{dd}$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.875	0.5	83.2	−2.6	24.8	25.0	96.1	0.805	0.842	0.405	87.7	0.8	16.8	16.8	87.0	9.8	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
848	Y00G_075_025$_{dd}$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.75	0.5	74.5	−1.7	16.5	16.6	96.1	0.67	0.702	0.365	80.4	1.3	8.6	8.7	81.2	10.3	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
849	Y00G_062_012$_{dd}$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.625	0.5	65.8	−0.8	8.2	8.3	96.1	0.556	0.588	0.353	71.7	3.9	−4.5	6.0	311.2	14.9	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
850	NW_050$_{dd}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	59.7	5.7	−9.8	11.4	300.3	11.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
851	B00R_050_012$_{dd}$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.375	0.5	49.4	3.2	−5.5	6.4	299.9	0.363	0.367	0.346	48.8	7.3	−19.2	20.6	290.9	14.3	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
852	B00R_050_025$_{dd}$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.249	0.5	41.6	6.4	−11.1	12.8	299.9	0.313	0.286	0.352	41.9	9.0	−24.8	26.4	290.0	13.9	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
853	B00R_050_037$_{dd}$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.124	0.5	33.9	9.6	−16.7	19.2	299.9	0.22	0.163	0.359	36.5	11.8	−28.7	31.0	292.5	12.4	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
854	B00R_050_050$_{dd}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	26.2	12.8	−22.2	25.7	299.9	0.053	0.0	0.317	30.5	19.3	−39.0	43.5	296.3	18.4	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
855	Y00G_100_062$_{dd}$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	1.0	0.375	91.2	−4.4	41.4	41.7	96.1	1.0	1.0	0.313	90.9	−3.9	34.3	34.5	96.5	7.1	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
856	Y00G_087_050$_{dd}$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.875	0.375	82.6	−3.5	33.1	33.3	96.1	0.802	0.833	0.309	86.4	−1.7	29.5	29.5	93.4	5.6	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
857	Y00G_075_037$_{dd}$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.75	0.375	73.9	−2.6	24.8	25.0	96.1	0.677	0.693	0.283	79.3	−0.5	19.8	19.8	91.5	7.6	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
858	Y00G_062_025$_{dd}$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.625	0.375	65.2	−1.7	16.5	16.6	96.1	0.566	0.577	0.279	70.1	0.3	10.4	10.4	88.3	8.1	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
859	Y00G_050_012$_{dd}$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.5	0.375	56.5	−0.8	8.2	8.3	96.1	0.459	0.47	0.273	59.2	1.9	−0.3	1.9	349.6	9.4	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
860	NW_037$_{dd}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	48.8	4.2	−7.1	8.3	300.7	8.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
861	B00R_037_012$_{dd}$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.249	0.375	40.1	3.2	−5.5	6.4	299.9	0.295	0.291	0.292	38.8	6.5	−18.6	19.7	289.3	13.5	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
862	B00R_037_025$_{dd}$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.124	0.375	32.4	6.4	−11.1	12.8	299.9	0.198	0.162	0.267	32.8	7.9	−24.0	25.3	288.2	12.9	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
863	B00R_037_037$_{dd}$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.0	0.375	24.6	9.6	−16.7	19.2	299.9	0.06	0.0	0.25	29.4	11.6	−29.3	31.5	291.6	13.6	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
864	Y00G_100_075$_{dd}$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	1.0	0.25	90.6	−5.3	49.7	50.0	96.1	1.0	1.0	0.211	89.9	−4.2	43.8	44.0	95.6	6.0	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
865	Y00G_087_062$_{dd}$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.875	0.25	82.0	−4.4	41.4	41.7	96.1	0.792	0.819	0.224	86.8	−3.2	41.3	41.4	94.5	4.9	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
866	Y00G_075_050$_{dd}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	73.3	−3.5	33.1	33.3	96.1	0.677	0.685	0.21	78.7	−3.2	32.7	32.8	95.7	5.4	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
867	Y00G_062_037$_{dd}$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.625	0.25	64.6	−2.6	24.8	25.0	96.1	0.569	0.569	0.206	69.2	−2.6	23.6	23.7	96.5	4.7	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
868	Y00G_050_025$_{dd}$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.5	0.249	55.9	−1.7	16.5	16.6	96.1	0.462	0.455	0.197	59.3	−1.6	14.1	14.2	96.7	4.1	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
869	Y00G_037_012$_{dd}$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.375	0.249	47.2	−0.8	8.2	8.3	96.1	0.352	0.353	0.205	48.8	−0.5	4.7	4.7	96.7	3.9	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
870	NW_025$_{dd}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	37.2	2.6	−3.9	4.7	303.4	4.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
871	B00R_025_012$_{dd}$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.124	0.25	30.8	3.2	−5.5	6.4	299.9	0.184	0.168	0.2	30.5	5.3	−15.8	16.7	288.7	10.5	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
872	B00R_025_025$_{dd}$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.0	0.25	23.1	6.4	−11.1	12.8	299.9	0.0	0.0	0.125	25.1	6.7	−21.2	22.3	287.5	10.3	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
873	Y00G_100_087$_{dd}$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	1.0	0.125	90.0	−6.2	58.0	58.3	96.1	1.0	1.0	0.125	89.9	−6.4	57.7	58.1	96.3	0.3	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
874	Y00G_087_075$_{dd}$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.875	0.125	81.4	−5.3	49.7	50.0	96.1	0.779	0.808	0.162	87.0	−5.1	59.9	60.1	94.9	11.6	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
875	Y00G_075_062$_{dd}$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.75	0.125	72.7	−4.4	41.4	41.7	96.1	0.672	0.678	0.143	78.3	−5.0	50.3	50.5	95.7	10.4	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
876	Y00G_062_050$_{dd}$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.625	0.125	64.0	−3.5	33.1	33.3	96.1	0.568	0.562	0.133	68.7	−4.8	38.9	39.2	97.1	7.5	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
877	Y00G_050_037$_{dd}$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.5	0.124	55.3	−2.6	24.8	25.0	96.1	0.462	0.442	0.123	58.5	−4.1	28.5	28.8	98.2	5.1	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
878	Y00G_037_025$_{dd}$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.375	0.124	46.6	−1.7	16.5	16.6	96.1	0.354	0.335	0.127	49.8	−3.5	20.0	20.3	99.9	4.9	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
879	Y00G_025_012$_{dd}$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.25	0.124	38.0	−0.8	8.2	8.3	96.1	0.28	0.275	0.14	38.3	−1.6	9.2	9.3	100.0	1.2	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
880	NW_012$_{dd}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	25.3	0.8	−0.9	1.2	311.3	4.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
881	B00R_012_012$_{dd}$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.0	0.125	21.5	3.2	−5.5	6.4	299.9	0.0	0.0	0.061	26.1	5.9	−12.4	13.7	295.7	8.6	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
882	Y00G_100_100$_{dd}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1	1.0	1.0	0.0	89.5	−7.1	66.6	66.9	96.1	0.2	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
883	Y00G_087_087$_{dd}$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.875	0.0	80.8	−6.2	58.0	58.3	96.1	0.76	0.793	0.09	88.3	−6.1	72.5	72.7	94.8	16.3	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
884	Y00G_075_075$_{dd}$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.75	0.0	72.1	−5.3	49.7	50.0	96.1	0.668	0.68	0.077	79.0	−6.6	65.9	66.3	95.7	17.7	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
885	Y00G_062_062$_{dd}$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.625	0.0	63.4	−4.4	41.4	41.7	96.1	0.577	0.574	0.075	65.2	−6.3	53.2	53.5	96.7	12.0	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
886	Y00G_050_050$_{dd}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	54.7	−3.5	33.1	33.3	96.1	0.477	0.46	0.066	54.8	−5.7	44.0	44.4	97.4	11.1	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
887	Y00G_037_037$_{dd}$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.375	0.0	46.0	−2.6	24.8	25.0	96.1	0.36	0.33	0.053	47.8	−5.8	32.5	33.0	100.1	8.4	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
888	Y00G_025_025$_{dd}$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.25	0.0	37.4	−1.7	16.5	16.6	96.1	0.282	0.258	0.054	39.9	−4.3	21.6	22.0	101.3	6.2	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
889	Y00G_012_012$_{dd}$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.125	0.0	28.7	−0.8	8.2	8.3	96.1	0.146	0.129	0.011	31.4	−1.9	9.6	9.8	101.5	3.1	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
890	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.0	0.0	55.6	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta** **11.7**

1−1032930−F0

RE670−7N, Page 30/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

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

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta

application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 31/33

n	HIC^*_{Fdd}	$rgb_{\_Fdd}$			$ict_{\_Fdd}$			$h_{si\_F,dd}$	rgb^*_{Fdd}			$LabCh^*_{Fdd}$					rgb'^*_{Fdd}			$LabCh'^*_{Fdd}$					DE'^*_{Fdd}	$h_{siM,dd}$	rgb^*_{Mdd}			$LabCh^*_{Mdd}$				
891	NW_100dd	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.5	0.0	−0.1	0.1	266.1	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
892	B50R_100_012dd	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	1.0	88.3	8.8	−2.1	9.1	346.2	0.968	0.845	0.746	91.1	16.2	−21.3	26.7	307.3	20.6	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
893	B50R_100_025dd	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	1.0	82.4	17.6	−4.3	18.2	346.2	0.974	0.723	0.726	85.5	23.6	−22.0	32.2	316.9	18.9	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
894	B50R_100_037dd	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	1.0	76.4	26.5	−6.4	27.3	346.2	0.977	0.613	0.725	78.5	33.1	−22.4	40.0	325.8	17.4	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
895	B50R_100_050dd	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	70.5	35.3	−8.6	36.4	346.2	0.973	0.506	0.741	72.0	41.7	−22.2	47.3	332.0	15.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
896	B50R_100_062dd	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	1.0	64.6	44.2	−10.8	45.5	346.2	0.967	0.391	0.76	65.7	51.4	−21.9	55.9	336.8	13.3	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
897	B50R_100_075dd	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	1.0	58.6	53.0	−12.9	54.6	346.2	0.958	0.287	0.777	58.2	60.2	−20.8	63.7	340.9	10.6	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
898	B50R_100_087dd	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	1.0	52.7	61.9	−15.1	63.7	346.2	0.946	0.187	0.81	50.4	69.9	−17.7	72.1	345.7	8.7	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
899	B50R_100_100dd	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2	1.0	0.0	1.0	46.2	71.1	−16.4	73.0	346.9	1.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
900	G00B_100_012dd	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.875	89.2	−7.4	3.0	8.0	157.6	0.789	1.0	0.734	91.5	4.6	−14.3	15.0	288.0	21.3	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
901	NW_087dd	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	89.7	10.2	−18.7	21.3	298.7	21.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
902	B50R_087_012dd	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.875	79.0	8.8	−2.1	9.1	346.2	0.813	0.733	0.636	84.1	17.4	−21.2	27.4	309.4	21.5	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
903	B50R_087_025dd	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.875	73.1	17.6	−4.3	18.2	346.2	0.855	0.615	0.653	77.1	25.8	−21.9	33.8	319.6	19.8	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
904	B50R_087_037dd	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.875	67.2	26.5	−6.4	27.3	346.2	0.857	0.49	0.662	69.6	34.2	−22.7	41.1	326.3	18.2	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
905	B50R_087_050dd	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.875	61.2	35.3	−8.6	36.4	346.2	0.86	0.371	0.677	62.7	42.7	−23.1	48.6	331.5	16.3	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
906	B50R_087_062dd	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.875	55.3	44.2	−10.8	45.5	346.2	0.854	0.253	0.69	56.1	50.7	−22.2	55.4	336.2	13.2	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
907	B50R_087_075dd	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.875	49.4	53.0	−12.9	54.6	346.2	0.839	0.164	0.71	48.3	62.0	−22.0	65.8	340.4	12.8	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
908	B50R_087_087dd	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.875	43.4	61.9	−15.1	63.7	346.2	0.869	0.044	0.745	42.8	63.4	−18.5	66.1	343.7	3.7	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
909	G00B_100_025dd	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.75	84.2	−14.8	6.1	16.0	157.6	0.682	1.0	0.618	87.6	−3.4	−7.6	8.3	245.7	18.2	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
910	G00B_087_012dd	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.75	79.9	−7.4	3.0	8.0	157.6	0.635	0.848	0.539	87.0	1.2	−11.2	11.2	276.3	18.1	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
911	NW_075dd	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	79.9	8.6	−15.4	17.7	299.3	18.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
912	B50R_075_012dd	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.75	69.7	8.8	−2.1	9.1	346.2	0.696	0.598	0.537	73.5	16.4	−18.6	24.9	311.3	18.5	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
913	B50R_075_025dd	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.75	63.8	17.6	−4.3	18.2	346.2	0.739	0.489	0.566	65.6	24.8	−19.2	31.3	322.2	16.5	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
914	B50R_075_037dd	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.75	57.9	26.5	−6.4	27.3	346.2	0.755	0.366	0.58	58.2	32.2	−19.0	37.4	329.4	13.8	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
915	B50R_075_050dd	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	51.9	35.3	−8.6	36.4	346.2	0.753	0.255	0.599	51.4	41.2	−19.3	45.5	334.9	12.1	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
916	B50R_075_062dd	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.75	46.0	44.2	−10.8	45.5	346.2	0.743	0.15	0.622	45.0	50.4	−18.0	53.5	340.3	9.5	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
917	B50R_075_075dd	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.75	40.1	53.0	−12.9	54.6	346.2	0.753	0.044	0.643	37.8	57.4	−17.4	60.0	343.0	6.6	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
918	G00B_100_037dd	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.625	79.2	−22.3	9.1	24.1	157.6	0.58	1.0	0.5	81.5	−12.2	−1.9	12.3	188.9	15.1	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
919	G00B_087_025dd	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.625	74.9	−14.8	6.1	16.0	157.6	0.536	0.835	0.446	80.9	−7.4	−4.6	8.7	211.8	14.3	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
920	G00B_075_012dd	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.625	70.6	−7.4	3.0	8.0	157.6	0.527	0.715	0.431	75.9	−0.6	−9.1	9.1	266.0	14.9	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
921	NW_062dd	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	68.7	7.1	−12.4	14.4	299.8	14.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
922	B50R_062_012dd	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.625	60.5	8.8	−2.1	9.1	346.2	0.586	0.479	0.443	63.1	14.9	−16.0	21.9	312.9	15.4	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
923	B50R_062_025dd	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.625	54.5	17.6	−4.3	18.2	346.2	0.61	0.36	0.45	54.7	23.0	−16.3	28.2	324.5	13.1	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
924	B50R_062_037dd	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.625	48.6	26.5	−6.4	27.3	346.2	0.61	0.247	0.456	48.0	32.3	−17.1	36.6	331.9	12.1	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
925	B50R_062_050dd	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.625	42.7	35.3	−8.6	36.4	346.2	0.596	0.143	0.476	41.1	40.9	−16.0	43.9	338.5	9.3	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
926	B50R_062_062dd	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.625	36.7	44.2	−10.8	45.5	346.2	0.578	0.031	0.497	34.2	49.5	−14.9	51.7	343.1	7.1	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
927	G00B_100_050dd	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	74.2	−29.7	12.2	32.1	157.6	0.475	1.0	0.376	75.1	−21.6	2.7	21.7	172.8	12.5	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
928	G00B_087_037dd	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.5	69.9	−22.3	9.1	24.1	157.6	0.43	0.823	0.353	74.3	−19.5	0.7	19.5	177.8	9.9	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
929	G00B_075_025dd	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.5	65.6	−14.8	6.1	16.0	157.6	0.428	0.711	0.347	69.7	−8.8	−3.7	9.5	203.2	12.2	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
930	G00B_062_012dd	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.5	61.4	−7.4	3.0	8.0	157.6	0.433	0.596	0.345	65.5	−2.0	−7.6	7.9	255.1	12.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
931	NW_050dd	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	57.9	5.4	−9.3	10.8	300.1	10.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
932	B50R_050_012dd	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.5	51.2	8.8	−2.1	9.1	346.2	0.486	0.367	0.36	50.2	14.0	−13.3	19.4	316.4	12.4	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
933	B50R_050_025dd	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.5	45.2	17.6	−4.3	18.2	346.2	0.494	0.25	0.363	43.8	23.6	−14.2	27.5	328.8	11.6	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
934	B50R_050_037dd	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.5	39.3	26.5	−6.4	27.3	346.2	0.477	0.134	0.359	37.5	31.9	−13.7	34.7	336.6	9.2	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
935	B50R_050_050dd	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	33.4	35.3	−8.6	36.4	346.2	0.426	0.012	0.351	31.2	40.6	−12.1	42.4	343.3	6.6	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
936	G00B_100_062dd	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.375	69.1	−37.2	15.2	40.2	157.6	0.334	0.874	0.25	68.1	−32.4	9.2	33.7	164.0	7.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
937	G00B_087_050dd	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.375	64.9	−29.7	12.2	32.1	157.6	0.33	0.822	0.273	69.3	−29.8	7.1	30.6	166.4	6.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
938	G00B_075_037dd	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.375	60.6	−22.3	9.1	24.1	157.6	0.332	0.721	0.274	63.3	−20.0	2.6	20.2	172.3	7.3	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
939	G00B_062_025dd	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.375	56.4	−14.8	6.1	16.0	157.6	0.341	0.601	0.273	58.1	−13.1	−1.2	13.1	185.3	7.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
940	G00B_050_012dd	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.375	52.1	−7.4	3.0	8.0	157.6	0.342	0.487	0.272	53.0	−4.2	−4.1	5.8	224.3	7.9	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
941	NW_037dd	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	47.1	3.9	−6.6	7.7	301.0	7.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
942	B50R_037_012dd	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.375	41.9	8.8	−2.1	9.1	346.2	0.364	0.265	0.281	39.8	13.9	−10.6	17.4	322.6	10.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
943	B50R_037_025dd	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.375	36.0	17.6	−4.3	18.2	346.2	0.354	0.138	0.271	34.7	23.3	−11.2	25.9	334.2	9.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
944	B50R_037_037dd	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.375	30.0	26.5	−6.4	27.3	346.2	0.325	0.002	0.254	29.6	31.4	−10.5	33.1	341.4	6.3	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
945	G00B_100_075dd	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.25	64.1	−44.6	18.3	48.2	157.6	0.246	0.874	0.212	62.5	−41.8	13.8	44.0	161.6	5.5	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
946	G00B_087_062dd	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.25	59.9	−37.2	15.2	40.2	157.6	0.236	0.819	0.201	64.8	−38.4	12.4	40.3	162.0	5.8	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
947	G00B_075_050dd	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	55.6	−29.7	12.2	32.1	157.6	0.227	0.736	0.189	57.8	−27.4	7.5	28.4	164.6	5.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
948	G00B_062_037dd	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.25	51.3	−22.3	9.1	24.1	157.6	0.255	0.616	0.203	52.3	−21.7	4.6	22.2	168.0	4.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
949	G00B_050_025dd	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.249	47.1	−14.8	6.1	16.0	157.6	0.259	0.503	0.204	46.8	−14.3	1.4	14.4	174.3	4.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
950	G00B_037_012dd	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.249	42.8	−7.4	3.0	8.0	157.6	0.257	0.389	0.209	42.7	−6.4	−1.4	6.6	192.5	4.5	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
951	NW_025dd	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	34.8	2.2	−3.3	3.9	303.8	5.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
952	B50R_025_012dd	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.25	32.6	8.8	−2.1	9.1	346.2	0.262	0.155	0.205	30.7	12.5	−7.5	14.6	328.7	6.8	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
953	B50R_025_025dd	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.25	26.7	17.6	−4.3	18.2	346.2	0.25	0.0	0.184	27.2	20.4	−8.5	22.1	337.3	5.0	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
954	G00B_100_087dd	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.125	59.1	−52.0	21.4	56.3	157.6	0.135	0.874	0.115	57.4	−52.0	19.0	55.4	159.8	2.8	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
955	G00B_087_075dd	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.125	54.8	−44.6	18.3	48.2	157.6	0.127	0.793	0.099	59.3	−48.3	17.8	51.5	159.6	5.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
956	G00B_075_062dd	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.125	50.6	−37.2	15.2	40.2	157.6	0.136	0.683	0.099	54.0	−35.8	12.2	37.8	161.0	4.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
957	G00B_062_050dd	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.125	46.3	−29.7	12.2	32.1	157.6	0.146	0.575	0.104	48.8	−30.5	9.5	31.9	162.5	3.7	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
958	G00B_050_037dd	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.124	42.1	−22.3	9.1	24.1	157.6	0.15	0.472	0.105	42.8	−23.3	5.9	24.1	165.6	3.4	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
959	G00B_037_025dd	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.124	37.8	−14.8	6.1	16.0	157.6	0.151	0.357	0.105	37.9	−17.7	2.9	17.9	170.6	4.2	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
960	G00B_025_012dd	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.124	33.5	−7.4	3.0	8.0	157.6	0.11	0.238	0.087	35.4	−7.5	1.4	7.6	168.9	2.4	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
961	NW_012dd	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	23.2	0.5	−0.4	0.7	316.5	6.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
962	B50R_012_012dd	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.125	23.3	8.8	−2.1	9.1	346.2	0.1	0.0	0.068	25.2	10.3	−4.4	11.2	336.6	3.2	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
963	G00B_100_100dd	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6	0.0	1.0	0.0	54.8	−57.4	23.3	61.9	157.9	2.4	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
964	G00B_087_087dd	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	49.8	−52.0	21.4	56.3	157.6	0.084	0.695	0.036	52.4	−62.8	22.7	66.8	160.1	11.1	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
965	G00B_075_075dd	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	45.6	−44.6	18.3	48.2	157.6	0.09	0.581	0.042	50.2	−64.1	21.2	67.5	161.6	20.2	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
966	G00B_062_062dd	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	41.3	−37.2	15.2	40.2	157.6	0.082	0.479	0.035	46.3	−59.4	19.1	62.4	162.1	23.1	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
967	G00B_050_050dd	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	37.0	−29.7	12.2	32.1	157.6	0.0	0.375	0.0	41.5	−53.4	16.3	55.9	162.9	24.4	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
968	G00B_037_037dd	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	32.8	−22.3	9.1	24.1	157.6	0.0	0.25	0.0	37.3	−30.3	8.2	31.4	164.7	9.2	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
969	G00B_025_025dd	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	28.5	−14.8	6.1	16.0	157.6	0.0	0.25	0.0	32.9	−17.7	3.2	18.0	169.6	6.0	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
970	G00B_012_012dd	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	24.3	−7.4	3.0	8.0	157.6	0.0	0.069	0.0	29.6	−5.7	2.3	6.2	157.6	5.6	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
971	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5	0.1	−0.1	0.1	316.8	0.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
																	Mean color difference of this page:							**delta**	**10.6**									

1−1033030−F0

RE670−7N, Page 31/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1033030−F0

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 32/33

n	HIC*Fdd	rgb_Fdd			ict_Fdd			hsi_F,dd	rgb*Fdd			LabCh*Fdd					rgb'*Fdd			LabCh'*Fdd					DE'*Fdd	hsiM,dd	rgb*Mdd			LabCh*Mdd				
972	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	0.0	0.0	0.0	293.6	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
973	NW_012dd	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	24.9	0.7	−0.8	1.1	310.5	4.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
974	NW_025dd	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	36.1	2.4	−3.6	4.3	303.7	4.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
975	NW_037dd	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	48.0	4.1	−6.4	7.6	302.4	7.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
976	NW_050dd	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	58.3	5.6	−9.2	10.8	301.2	10.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
977	NW_062dd	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	69.6	7.2	−12.3	14.3	300.3	14.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
978	NW_075dd	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	80.4	8.9	−15.8	18.1	299.3	18.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
979	NW_087dd	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	89.9	10.2	−18.4	21.1	298.9	21.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
980	NW_100dd	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.3	0.0	0.0	0.0	285.3	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
981	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	11.0	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
982	NW_012dd	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	25.2	0.8	−1.0	1.3	307.3	4.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
983	NW_025dd	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	36.5	2.5	−3.6	4.4	304.4	4.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
984	NW_037dd	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	47.9	4.1	−6.6	7.8	302.0	7.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
985	NW_050dd	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	58.2	5.6	−9.4	10.9	301.0	11.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
986	NW_062dd	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	70.0	7.3	−12.8	14.8	299.7	15.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
987	NW_075dd	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	80.5	8.9	−15.9	18.2	299.3	18.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
988	NW_087dd	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	90.1	10.3	−18.8	21.4	298.8	22.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
989	NW_100dd	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.4	0.0	−0.1	0.1	289.1	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
990	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	0.0	0.1	0.2	111.4	0.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
991	NW_012dd	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	23.2	0.5	−0.5	0.7	316.5	6.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
992	NW_025dd	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	36.0	2.4	−3.5	4.2	304.3	4.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
993	NW_037dd	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	47.2	4.0	−6.6	7.7	301.7	7.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
994	NW_050dd	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	58.4	5.6	−9.4	10.9	300.9	11.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
995	NW_062dd	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	69.9	7.3	−12.7	14.6	299.9	15.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
996	NW_075dd	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	80.9	8.9	−15.8	18.2	299.3	18.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
997	NW_087dd	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	90.0	10.3	−18.7	21.4	298.8	22.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
998	NW_100dd	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.4	0.0	0.0	0.0	290.1	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
999	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	96.0	0.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1000	NW_012dd	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	22.0	0.3	−0.2	0.4	318.6	7.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1001	NW_025dd	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	34.7	2.2	−3.2	3.9	304.2	5.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1002	NW_037dd	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	47.6	3.9	−6.5	7.6	301.2	7.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1003	NW_050dd	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	58.8	5.5	−9.5	11.0	300.4	11.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1004	NW_062dd	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	70.3	7.2	−12.6	14.5	299.9	15.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1005	NW_075dd	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	80.8	8.8	−15.7	18.0	299.2	18.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1006	NW_087dd	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	90.1	10.2	−18.4	21.1	298.9	21.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1007	NW_100dd	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.5	0.0	0.1	0.1	92.5	0.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1008	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	0.0	−0.1	0.1	234.8	0.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1009	NW_006dd	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	24.9	0.0	0.0	0.0	0.0	0.043	0.054	0.03	21.5	0.3	−0.3	0.4	307.8	3.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1010	NW_013dd	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	29.9	0.0	0.0	0.0	0.0	0.167	0.177	0.141	25.7	0.9	−1.1	1.4	309.1	4.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1011	NW_020dd	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	34.8	0.0	0.0	0.0	0.0	0.235	0.249	0.198	32.5	1.9	−2.7	3.3	305.4	4.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1012	NW_026dd	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	39.7	0.0	0.0	0.0	0.0	0.283	0.304	0.238	39.9	3.0	−4.4	5.3	304.0	5.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1013	NW_033dd	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	44.7	0.0	0.0	0.0	0.0	0.324	0.344	0.263	44.7	3.6	−5.7	6.8	302.7	6.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1014	NW_040dd	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	49.7	0.0	0.0	0.0	0.0	0.361	0.384	0.292	50.8	4.5	−7.2	8.5	301.9	8.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1015	NW_046dd	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	54.6	0.0	0.0	0.0	0.0	0.417	0.453	0.331	55.5	5.1	−8.4	9.9	301.4	9.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1016	NW_053dd	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.6	0.0	0.0	0.0	0.0	0.476	0.515	0.367	61.6	6.1	−10.1	11.8	301.0	12.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1017	NW_060dd	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.5	0.0	0.0	0.0	0.0	0.524	0.578	0.414	68.0	6.9	−12.0	13.9	300.1	14.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1018	NW_066dd	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.4	0.0	0.0	0.0	0.0	0.574	0.63	0.452	73.4	7.8	−13.6	15.7	299.7	16.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1019	NW_073dd	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.5	0.0	0.0	0.0	0.0	0.625	0.704	0.51	78.9	8.6	−15.2	17.4	299.6	18.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1020	NW_080dd	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.4	0.0	0.0	0.0	0.0	0.699	0.78	0.578	83.9	9.3	−16.6	19.0	299.2	19.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1021	NW_086dd	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	84.3	0.0	0.0	0.0	0.0	0.754	0.859	0.645	88.3	9.9	−18.0	20.6	298.9	21.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1022	NW_093dd	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.2	0.0	0.0	0.0	0.0	0.848	0.948	0.73	92.2	10.5	−19.3	22.0	298.6	22.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1023	NW_100dd	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.3	0.0	0.0	0.0	140.0	0.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1024	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	0.0	−0.2	0.2	281.0	0.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1025	NW_006dd	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	24.9	0.0	0.0	0.0	0.0	0.043	0.054	0.03	21.5	0.3	−0.3	0.5	308.1	3.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1026	NW_013dd	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	29.9	0.0	0.0	0.0	0.0	0.167	0.177	0.141	26.0	0.9	−1.2	1.6	307.5	4.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1027	NW_020dd	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	34.8	0.0	0.0	0.0	0.0	0.235	0.249	0.198	32.1	1.8	−2.6	3.2	305.9	4.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1028	NW_026dd	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	39.7	0.0	0.0	0.0	0.0	0.283	0.304	0.238	39.6	2.9	−4.4	5.3	303.4	5.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1029	NW_033dd	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	44.7	0.0	0.0	0.0	0.0	0.324	0.344	0.263	44.8	3.7	−5.7	6.8	302.7	6.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1030	NW_040dd	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	49.7	0.0	0.0	0.0	0.0	0.361	0.384	0.292	50.2	4.4	−7.1	8.4	302.0	8.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1031	NW_046dd	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	54.6	0.0	0.0	0.0	0.0	0.417	0.453	0.331	56.2	5.3	−8.8	10.3	301.2	10.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1032	NW_053dd	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.6	0.0	0.0	0.0	0.0	0.476	0.515	0.367	62.2	6.1	−10.4	12.1	300.5	12.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1033	NW_060dd	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.5	0.0	0.0	0.0	0.0	0.524	0.578	0.414	67.9	7.0	−12.1	14.0	300.1	14.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1034	NW_066dd	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.4	0.0	0.0	0.0	0.0	0.574	0.63	0.452	73.0	7.8	−13.6	15.7	299.7	16.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1035	NW_073dd	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.5	0.0	0.0	0.0	0.0	0.625	0.704	0.51	78.8	8.6	−15.3	17.6	299.4	18.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1036	NW_080dd	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.4	0.0	0.0	0.0	0.0	0.699	0.78	0.578	83.6	9.3	−16.7	19.1	299.3	19.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1037	NW_086dd	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	84.3	0.0	0.0	0.0	0.0	0.754	0.859	0.645	88.1	10.0	−18.0	20.6	299.0	20.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1038	NW_093dd	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.2	0.0	0.0	0.0	0.0	0.848	0.948	0.73	92.1	10.6	−19.4	22.2	298.6	22.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1039	NW_100dd	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.3	0.0	−0.2	0.2	272.0	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1040	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	0.0	0.0	0.1	241.0	0.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1041	NW_006dd	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	24.9	0.0	0.0	0.0	0.0	0.043	0.054	0.03	21.4	0.2	−0.3	0.3	308.9	3.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1042	NW_013dd	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	29.9	0.0	0.0	0.0	0.0	0.167	0.177	0.141	25.6	0.9	−1.1	1.5	309.6	4.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1043	NW_020dd	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	34.8	0.0	0.0	0.0	0.0	0.235	0.249	0.198	32.6	1.9	−2.7	3.3	305.5	4.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1044	NW_026dd	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	39.7	0.0	0.0	0.0	0.0	0.283	0.304	0.238	39.5	2.9	−4.5	5.4	302.8	5.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1045	NW_033dd	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	44.7	0.0	0.0	0.0	0.0	0.324	0.344	0.263	44.5	3.6	−5.7	6.7	302.4	6.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1046	NW_040dd	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	49.7	0.0	0.0	0.0	0.0	0.361	0.384	0.292	51.4	4.6	−7.6	8.9	301.5	9.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1047	NW_046dd	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	54.6	0.0	0.0	0.0	0.0	0.417	0.453	0.331	56.0	5.2	−8.7	10.2	301.2	10.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1048	NW_053dd	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.6	0.0	0.0	0.0	0.0	0.476	0.515	0.367	61.7	6.1	−10.3	12.0	300.6	12.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1049	NW_060dd	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.5	0.0	0.0	0.0	0.0	0.524	0.578	0.414	67.6	6.9	−11.9	13.7	300.2	14.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1050	NW_066dd	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.4	0.0	0.0	0.0	0.0	0.574	0.63	0.452	73.2	7.8	−13.6	15.6	299.9	16.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1051	NW_073dd	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.5	0.0	0.0	0.0	0.0	0.625	0.704	0.51	78.9	8.5	−15.0	17.3	299.6	17.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1052	NW_080dd	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.4	0.0	0.0	0.0	0.0	0.699	0.78	0.578	83.7	9.4	−16.7	19.2	299.2	19.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
																	Mean color difference of this page:							**delta**	**9.8**									

1-1033130-F0 RE670−7N, Page 32/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^*$

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1-1033130-F0

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 33/33

n	HIC*$_{\mathrm{Fdd}}$	*rgb*_$_{\mathrm{Fdd}}$			*ict*_$_{\mathrm{Fdd}}$			*h*$_{\mathrm{si\_F,dd}}$	*rgb**$_{\mathrm{Fdd}}$			*LabCh**$_{\mathrm{Fdd}}$					*rgb'**$_{\mathrm{Fdd}}$			*LabCh'**$_{\mathrm{Fdd}}$					*DE'**$_{\mathrm{Fdd}}$	*h*$_{\mathrm{siM,dd}}$	*rgb**$_{\mathrm{Mdd}}$			*LabCh**$_{\mathrm{Mdd}}$				
1053	NW_086$_{\mathrm{dd}}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	84.3	0.0	0.0	0.0	0.0	0.754	0.859	0.645	88.1	9.9	−17.7	20.3	299.1	20.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1054	NW_093$_{\mathrm{dd}}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.2	0.0	0.0	0.0	0.0	0.848	0.948	0.73	92.3	10.6	−19.5	22.2	298.6	22.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1055	NW_100$_{\mathrm{dd}}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.3	0.0	0.1	0.1	111.8	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1056	NW_000$_{\mathrm{dd}}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	−0.1	−0.1	0.1	221.8	0.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1057	NW_006$_{\mathrm{dd}}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	24.9	0.0	0.0	0.0	0.0	0.043	0.054	0.03	21.4	0.2	−0.3	0.4	307.3	3.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1058	NW_013$_{\mathrm{dd}}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	29.9	0.0	0.0	0.0	0.0	0.167	0.177	0.141	25.7	0.9	−1.3	1.5	304.7	4.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1059	NW_020$_{\mathrm{dd}}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	34.8	0.0	0.0	0.0	0.0	0.235	0.249	0.198	32.9	1.9	−2.9	3.5	303.8	4.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1060	NW_026$_{\mathrm{dd}}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	39.7	0.0	0.0	0.0	0.0	0.283	0.304	0.238	39.9	2.9	−4.6	5.4	302.8	5.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1061	NW_033$_{\mathrm{dd}}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	44.7	0.0	0.0	0.0	0.0	0.324	0.344	0.263	44.0	3.5	−5.7	6.7	301.7	6.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1062	NW_040$_{\mathrm{dd}}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	49.7	0.0	0.0	0.0	0.0	0.361	0.384	0.292	51.1	4.5	−7.4	8.7	301.2	8.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1063	NW_046$_{\mathrm{dd}}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	54.6	0.0	0.0	0.0	0.0	0.417	0.453	0.331	56.3	5.3	−8.8	10.2	301.0	10.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1064	NW_053$_{\mathrm{dd}}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.6	0.0	0.0	0.0	0.0	0.476	0.515	0.367	62.2	6.1	−10.3	12.0	300.5	12.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1065	NW_060$_{\mathrm{dd}}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.5	0.0	0.0	0.0	0.0	0.524	0.578	0.414	68.0	6.9	−12.1	13.9	299.9	14.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1066	NW_066$_{\mathrm{dd}}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.4	0.0	0.0	0.0	0.0	0.574	0.63	0.452	73.8	7.8	−13.7	15.7	299.6	16.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1067	NW_073$_{\mathrm{dd}}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.5	0.0	0.0	0.0	0.0	0.625	0.704	0.51	79.3	8.6	−15.3	17.5	299.5	18.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1068	NW_080$_{\mathrm{dd}}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.4	0.0	0.0	0.0	0.0	0.699	0.78	0.578	83.8	9.3	−16.4	18.9	299.4	19.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1069	NW_086$_{\mathrm{dd}}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	84.3	0.0	0.0	0.0	0.0	0.754	0.859	0.645	88.3	9.9	−17.9	20.5	299.0	20.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1070	NW_093$_{\mathrm{dd}}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.2	0.0	0.0	0.0	0.0	0.848	0.948	0.73	92.1	10.5	−19.1	21.8	298.8	22.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1071	NW_100$_{\mathrm{dd}}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.3	0.0	0.0	0.0	93.7	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1072	NW_000$_{\mathrm{dd}}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9	0.0	0.0	0.0	64.5	0.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1073	NW_100$_{\mathrm{dd}}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.4	0.0	0.0	0.0	81.8	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1074	R00Y_100_100$_{\mathrm{dd}}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4	1.0	0.0	0.0	45.2	60.6	27.0	66.4	24.0	2.5	389	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
1075	G50B_100_100$_{\mathrm{dd}}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1	0.0	1.0	1.0	51.7	−24.1	−46.7	52.5	242.7	1.3	210	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
1076	Y00G_100_100$_{\mathrm{dd}}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1	1.0	1.0	0.0	89.7	−7.3	68.1	68.5	96.1	1.8	89	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
1077	B00R_100_100$_{\mathrm{dd}}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9	0.0	0.0	1.0	32.0	24.9	−46.4	52.7	298.2	2.0	270	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
1078	G00B_100_100$_{\mathrm{dd}}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6	0.0	1.0	0.0	53.6	−58.4	21.7	62.3	159.5	2.9	149	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
1079	B50R_100_100$_{\mathrm{dd}}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2	1.0	0.0	1.0	46.5	70.8	−16.5	72.7	346.8	0.7	330	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
																	Mean color difference of this page:							**delta**	**8.2**									

1-1033230-F0

RE670-7N, Page 33/33-F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

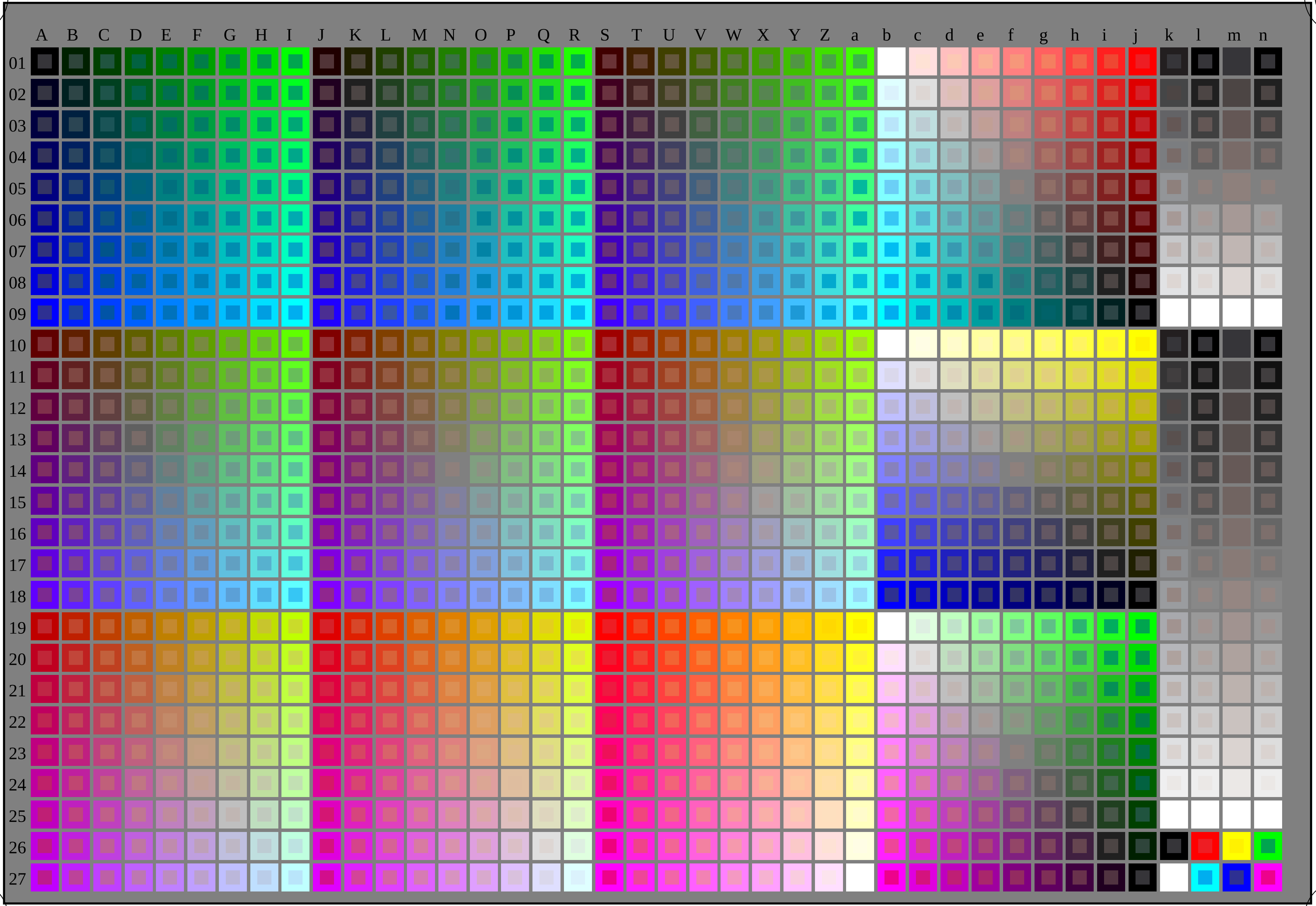
input: *rgb/cmyk* −> *rgb*$_{\mathrm{dd}}$
output: 3D-linearization to *cmyk**$_{\mathrm{dd}}$

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1-1033230-F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; start output
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 1/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output

TUB material: code=rha4ta

RE670−7N_RGB 1−113030−L0

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

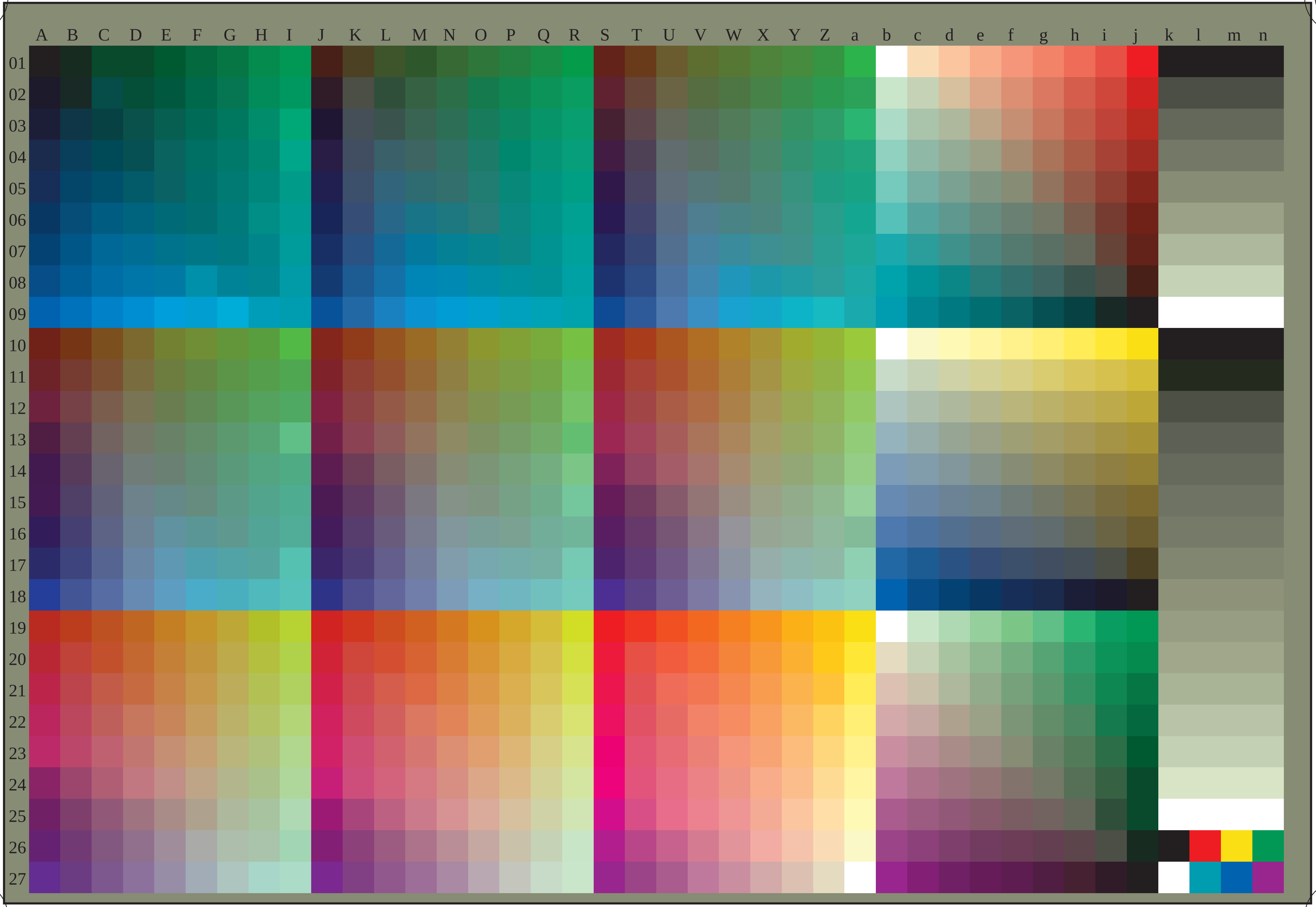
TUB-test chart RE67; 1080 standard colours, *cf*=1
Test chart according to DIN 33872

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

RE6711P

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 2/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

RE670−73 1−113130−L0

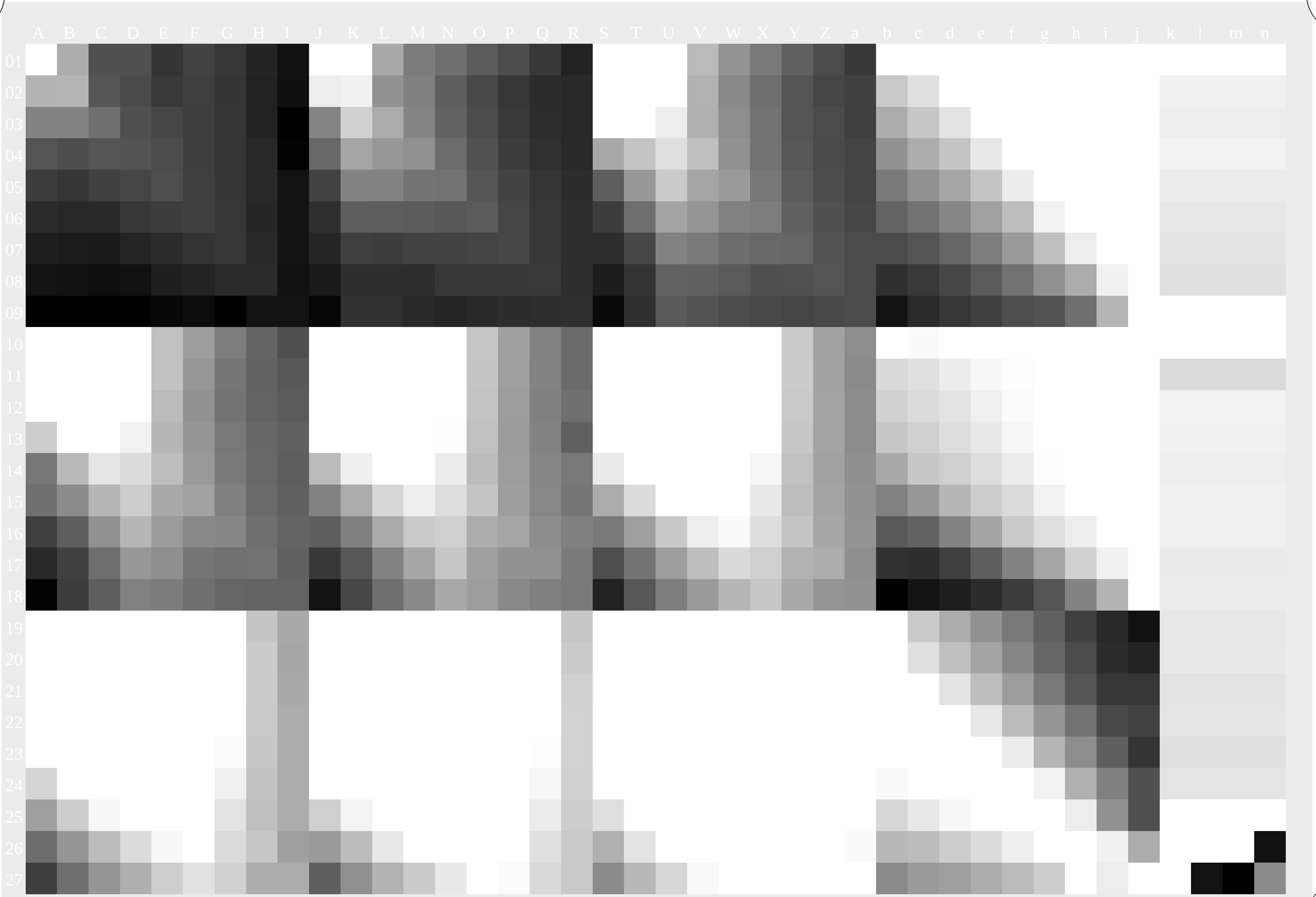
TUB-test chart RE67; 1080 standard colours, *cf*=1
Test chart according to DIN 33872, 3D=1, de=1, *cmyk**

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

1−113130−F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 3/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

RE670−73 1−113230−L0

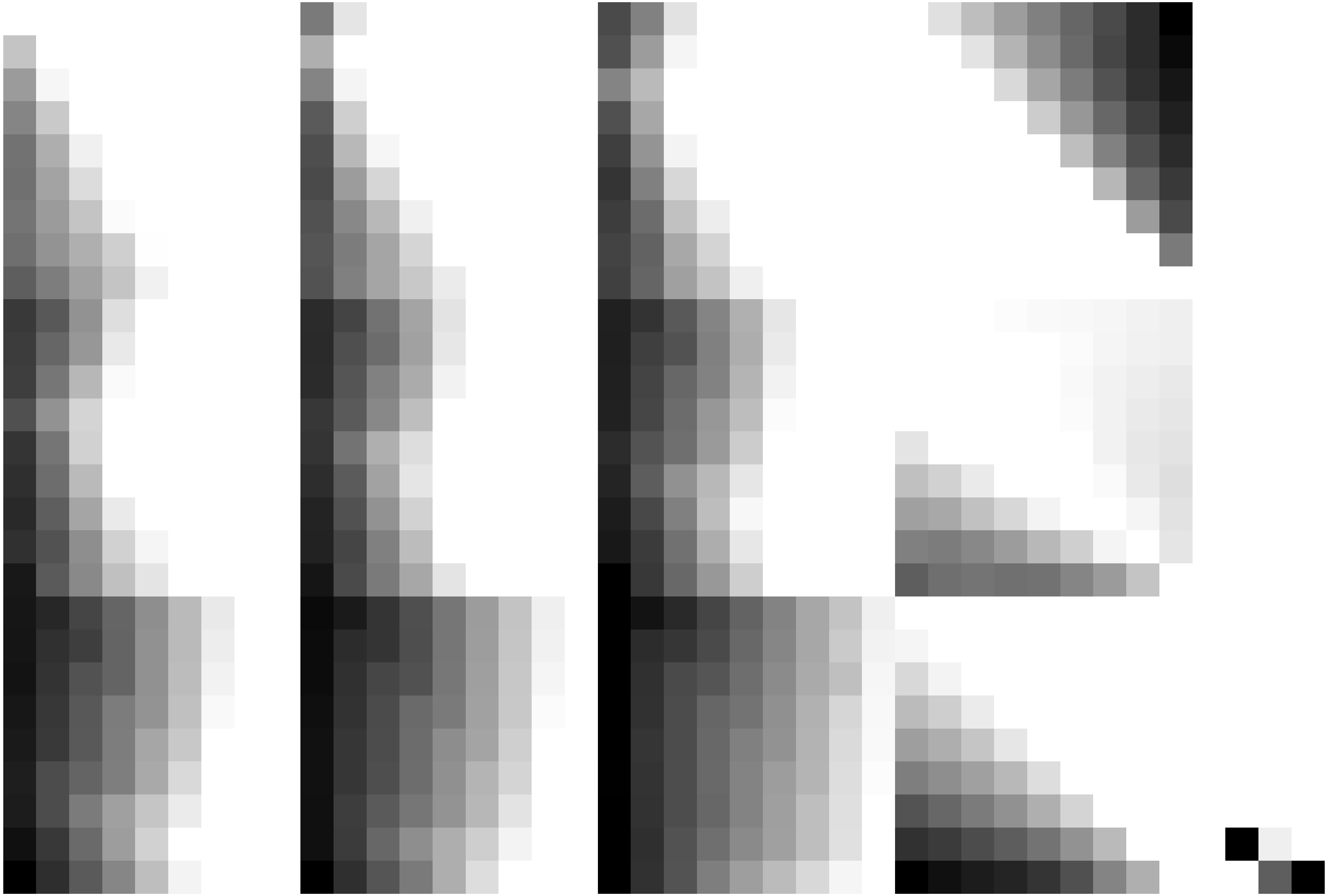
TUB-test chart RE67; 1080 standard colours, *cf*=1
Test chart according to DIN 33872

input: *rgb/cmyk* −> *rgb*$_{\mathrm{de}}$
output: 3D-linearization to *cmyk**$_{\mathrm{de}}$

1−113230−F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 4/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

RE670−73 1−113330−L0

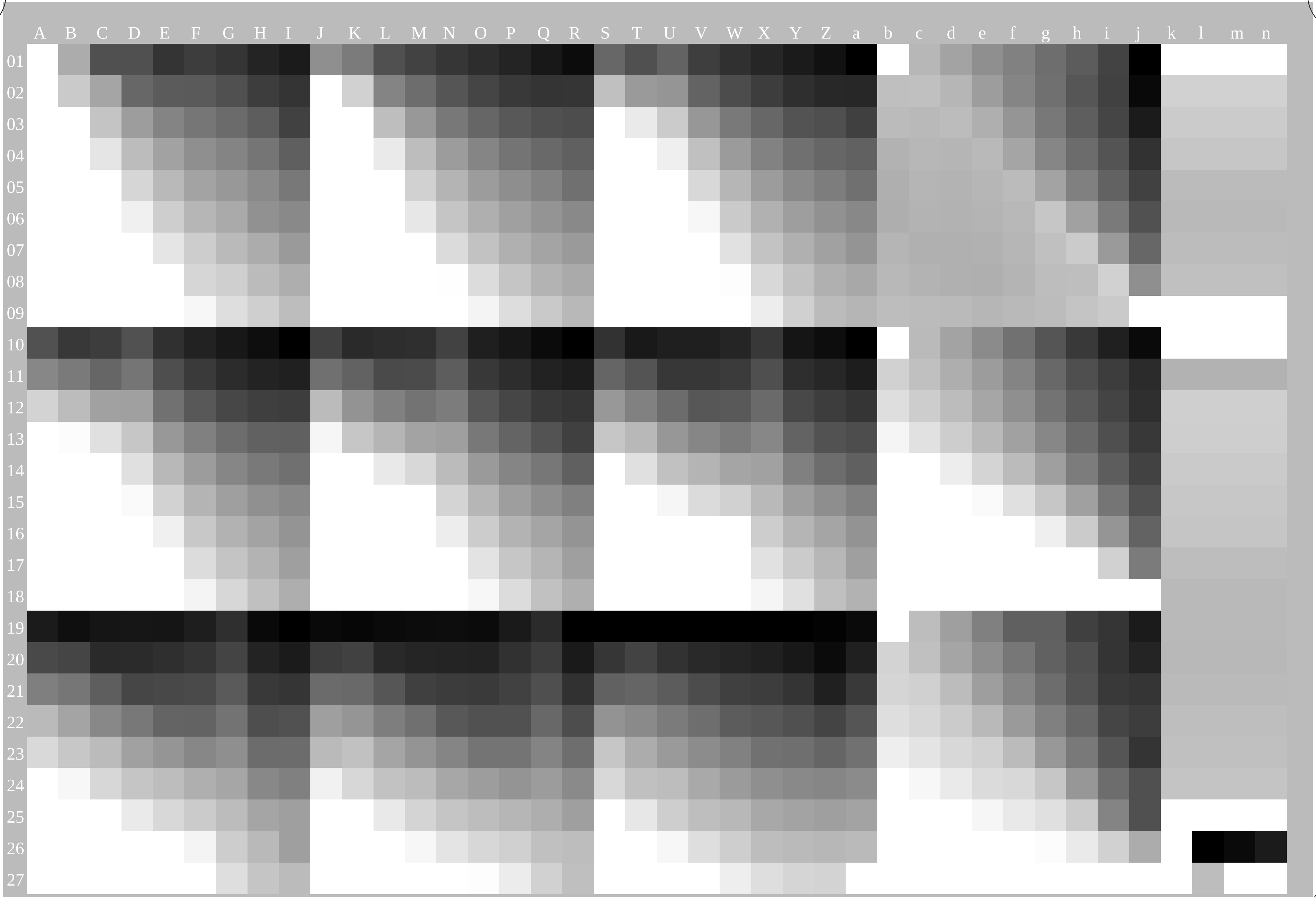
TUB-test chart RE67; 1080 standard colours, *cf*=1
Test chart according to DIN 33872

input: *rgb/cmyk* −> *rgb*$_{\mathrm{de}}$
output: 3D-linearization to *cmyk**$_{\mathrm{de}}$

1−113330−F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 5/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

RE670−73 1−113430−L0

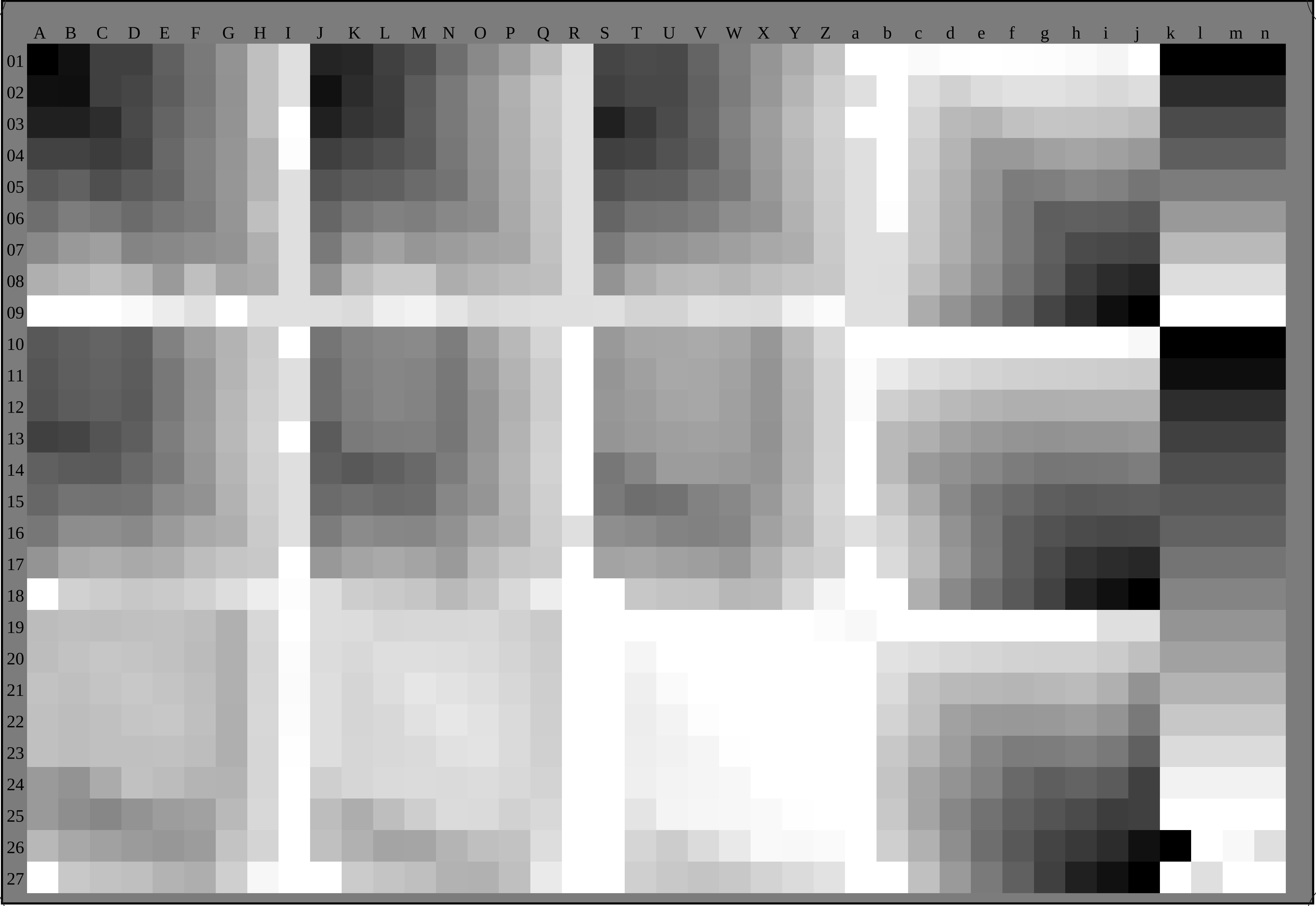
TUB-test chart RE67; 1080 standard colours, *cf*=1
Test chart according to DIN 33872

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

1−113430−F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 6/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

RE670−73 1−113530−L0

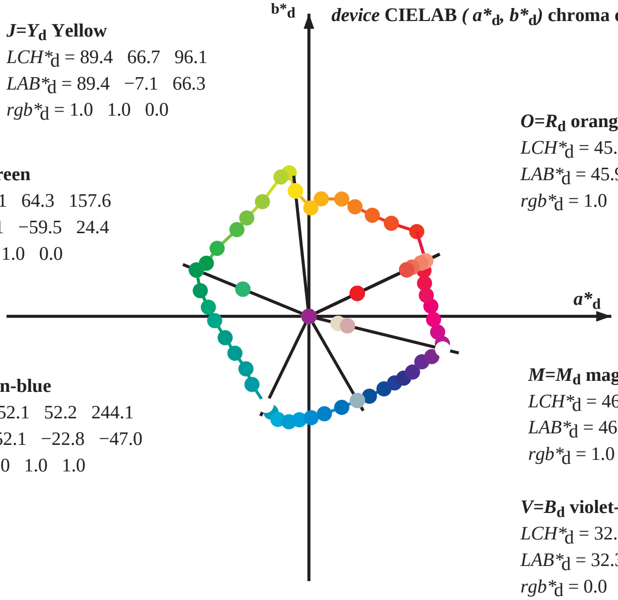
Test chart G with 40x27=1080 colours; equidistant 9 or 16 step colour scales; Colour data in column (A−n):, **3D = 1**

TUB-test chart RE67; 1080 standard colours, *cf*=1
Test chart according to DIN 33872

input: *rgb/cmyk* −> *rgb*$_{\mathrm{de}}$
output: 3D-linearization to *cmyk**$_{\mathrm{de}}$

1−113530−F0

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6



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

***J=Y*$_d$ Yellow**
LCH^*_d = 89.4   66.7   96.1
LAB^*_d = 89.4   −7.1   66.3
rgb^*_d = 1.0   1.0   0.0

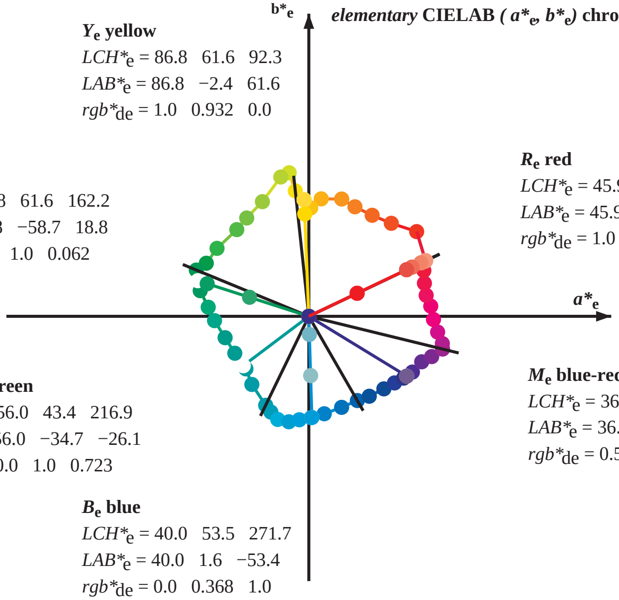
***O=R*$_d$ orange-red**
LCH^*_d = 45.9   68.3   25.4
LAB^*_d = 45.9   61.7   29.3
rgb^*_d = 1.0   0.0   0.0

***L=G*$_d$ leaf-green**
LCH^*_d = 54.1   64.3   157.6
LAB^*_d = 54.1   −59.5   24.4
rgb^*_d = 0.0   1.0   0.0

***C=C*$_d$ cyan-blue**
LCH^*_d = 52.1   52.2   244.1
LAB^*_d = 52.1   −22.8   −47.0
rgb^*_d = 0.0   1.0   1.0

***M=M*$_d$ magenta-red**
LCH^*_d = 46.8   72.8   346.2
LAB^*_d = 46.8   70.7   −17.3
rgb^*_d = 1.0   0.0   1.0

***V=B*$_d$ violet-blue**
LCH^*_d = 32.3   51.4   299.9
LAB^*_d = 32.3   25.6   −44.5
rgb^*_d = 0.0   0.0   1.0



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

***Y*$_e$ yellow**
LCH^*_e = 86.8   61.6   92.3
LAB^*_e = 86.8   −2.4   61.6
rgb^*_{de} = 1.0   0.932   0.0

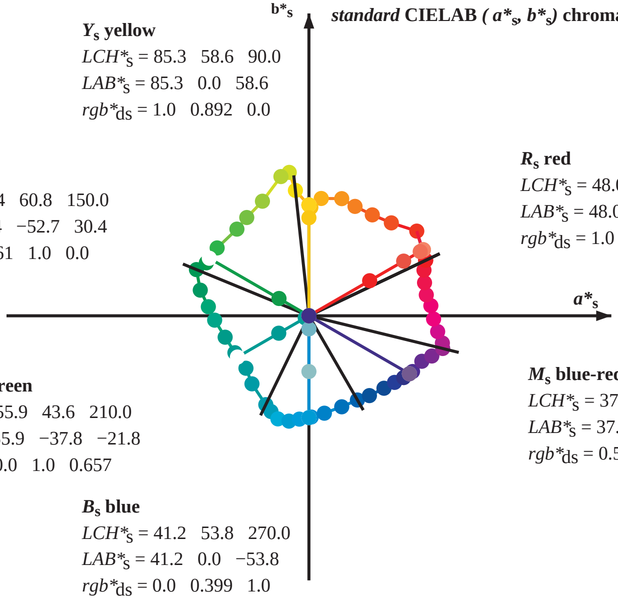
***R*$_e$ red**
LCH^*_e = 45.9   68.4   25.4
LAB^*_e = 45.9   61.7   29.4
rgb^*_{de} = 1.0   0.0   0.0

***G*$_e$ green**
LCH^*_e = 53.8   61.6   162.2
LAB^*_e = 53.8   −58.7   18.8
rgb^*_{de} = 0.0   1.0   0.062

***C*$_e$ blue-green**
LCH^*_e = 56.0   43.4   216.9
LAB^*_e = 56.0   −34.7   −26.1
rgb^*_{de} = 0.0   1.0   0.723

***M*$_e$ blue-red**
LCH^*_e = 36.4   60.6   328.6
LAB^*_e = 36.4   51.8   −31.6
rgb^*_{de} = 0.544   0.0   1.0

***B*$_e$ blue**
LCH^*_e = 40.0   53.5   271.7
LAB^*_e = 40.0   1.6   −53.4
rgb^*_{de} = 0.0   0.368   1.0



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

***Y*$_s$ yellow**
LCH^*_s = 85.3   58.6   90.0
LAB^*_s = 85.3   0.0   58.6
rgb^*_{ds} = 1.0   0.892   0.0

***G*$_s$ green**
LCH^*_s = 58.4   60.8   150.0
LAB^*_s = 58.4   −52.7   30.4
rgb^*_{ds} = 0.161   1.0   0.0

***R*$_s$ red**
LCH^*_s = 48.0   69.8   30.0
LAB^*_s = 48.0   60.5   34.9
rgb^*_{ds} = 1.0   0.045   0.0

***C*$_s$ blue-green**
LCH^*_s = 55.9   43.6   210.0
LAB^*_s = 55.9   −37.8   −21.8
rgb^*_{ds} = 0.0   1.0   0.657

***M*$_s$ blue-red**
LCH^*_s = 37.2   61.3   330.0
LAB^*_s = 37.2   53.1   −30.6
rgb^*_{ds} = 0.58   0.0   1.0

***B*$_s$ blue**
LCH^*_s = 41.2   53.8   270.0
LAB^*_s = 41.2   0.0   −53.8
rgb^*_{ds} = 0.0   0.399   1.0

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

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

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 8/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb*dd64M			LAB*ddx64M (x=LabCh)					rgb*ddx361M			LAB*ddx361M (x=LabCh)					rgb*dsx361M			LAB*dsx361M (x=LabCh)					rgb*dex361M			LAB*dex361M					rgb*$_{dd}$	rgb*$_{ds}$	rgb*$_{de}$
25.4	30.0	25.4	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4	1.0	0.0	0.0	45.9	61.8	29.3	68.4	25	1.0	0.045	0.0	48.1	60.5	34.9	69.9	30	1.0	0.001	0.0	45.9	61.8	29.4	68.4	25	■	■	■
38.1	37.5	33.8	1.0	0.125	0.0	51.8	57.0	44.8	72.5	38.1	1.0	0.117	0.0	51.5	57.5	43.8	72.3	37	1.0	0.114	0.0	51.3	57.7	43.4	72.2	37	1.0	0.077	0.0	49.6	59.3	38.9	71.0	33	■	■	■
48.4	45.0	42.1	1.0	0.25	0.0	58.5	43.6	49.1	65.7	48.4	1.0	0.25	0.0	58.5	43.6	49.2	65.7	48	1.0	0.208	0.0	56.3	48.1	48.1	68.0	45	1.0	0.174	0.0	54.5	51.8	46.9	69.9	42	■	■	■
57.8	52.5	50.5	1.0	0.375	0.0	64.3	33.5	53.4	63.0	57.8	1.0	0.367	0.0	63.9	34.2	53.2	63.2	57	1.0	0.297	0.0	60.7	39.8	51.0	64.7	52	1.0	0.271	0.0	59.5	42.0	50.0	65.3	49	■	■	■
67.1	60.0	58.8	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1	1.0	0.5	0.0	69.6	24.4	57.9	62.8	67	1.0	0.404	0.0	65.5	31.5	54.6	63.0	60	1.0	0.389	0.0	64.9	32.6	54.0	63.0	58	■	■	■
74.3	67.5	67.2	1.0	0.625	0.0	73.7	17.3	61.9	64.3	74.3	1.0	0.617	0.0	73.5	17.9	61.7	64.3	73	1.0	0.498	0.0	69.5	24.5	57.8	62.8	67	1.0	0.494	0.0	69.3	24.9	57.7	62.8	66	■	■	■
83.9	75.0	75.6	1.0	0.75	0.0	80.6	6.5	62.0	62.4	83.9	1.0	0.75	0.0	80.6	6.5	62.1	62.4	83	1.0	0.633	0.0	74.2	16.6	62.1	64.2	75	1.0	0.641	0.0	74.7	15.9	62.1	64.1	75	■	■	■
88.9	82.5	83.9	1.0	0.875	0.0	84.6	1.0	57.3	57.3	88.9	1.0	0.867	0.0	84.4	1.4	57.7	57.7	88	1.0	0.724	0.0	79.2	8.7	62.2	62.8	82	1.0	0.742	0.0	80.2	7.2	62.1	62.6	83	■	■	■
96.1	90.0	92.3	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1	1.0	1.0	0.0	89.5	−7.1	66.4	66.7	96	1.0	0.893	0.0	85.3	0.0	58.7	58.7	90	1.0	0.933	0.0	86.9	−2.4	61.6	61.7	92	■	■	■
97.8	97.5	101.0	0.875	1.0	0.0	91.1	−10.3	75.8	76.5	97.8	0.883	1.0	0.0	91.0	−10.1	75.3	75.9	97	0.936	1.0	0.0	90.3	−8.6	71.3	71.8	97	0.782	1.0	0.0	88.7	−13.6	74.3	75.5	100	■	■	■
101.3	105.0	109.7	0.75	1.0	0.0	87.9	−14.8	73.6	75.1	101.3	0.75	1.0	0.0	87.9	−14.7	73.7	75.1	101	0.708	1.0	0.0	85.1	−18.5	69.4	71.8	105	0.652	1.0	0.0	81.3	−22.8	63.5	67.5	109	■	■	■
112.0	112.5	118.5	0.625	1.0	0.0	79.4	−24.5	60.6	65.4	112.0	0.633	1.0	0.0	80.0	−24.0	61.5	66.1	111	0.626	1.0	0.0	79.5	−24.4	60.7	65.5	112	0.553	1.0	0.0	75.6	−29.5	55.8	63.2	117	■	■	■
122.3	120.0	127.2	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3	0.5	1.0	0.0	72.6	−32.8	52.0	61.5	122	0.528	1.0	0.0	74.2	−31.1	54.0	62.4	120	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127	■	■	■
129.7	127.5	136.0	0.375	1.0	0.0	68.1	−38.1	45.8	59.6	129.7	0.383	1.0	0.0	68.4	−37.7	46.3	59.7	129	0.421	1.0	0.0	69.8	−36.2	48.2	60.3	127	0.323	1.0	0.0	65.4	−42.6	42.1	59.9	135	■	■	■
143.4	135.0	144.7	0.25	1.0	0.0	61.4	−48.5	35.9	60.3	143.4	0.25	1.0	0.0	61.5	−48.4	35.9	60.4	143	0.327	1.0	0.0	65.6	−42.3	42.4	59.9	135	0.233	1.0	0.0	60.9	−49.3	34.9	60.5	144	■	■	■
152.6	142.5	153.4	0.125	1.0	0.0	57.2	−54.2	28.0	61.0	152.6	0.133	1.0	0.0	57.5	−53.8	28.6	61.0	152	0.264	1.0	0.0	62.2	−47.4	37.1	60.3	142	0.119	1.0	0.0	57.1	−54.4	27.9	61.2	152	■	■	■
157.6	150.0	162.2	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6	0.0	1.0	0.0	54.1	−59.4	24.5	64.4	157	0.161	1.0	0.0	58.5	−52.6	30.4	60.9	150	0.0	1.0	0.063	53.9	−58.6	18.8	61.7	162	■	■	■
166.7	157.5	169.0	0.0	1.0	0.125	53.6	−57.4	13.5	59.0	166.7	0.0	1.0	0.117	53.7	−57.6	14.2	59.4	166	0.016	1.0	0.0	54.6	−58.7	25.0	63.9	157	0.0	1.0	0.154	53.6	−56.5	11.4	57.7	168	■	■	□
174.8	165.0	175.9	0.0	1.0	0.25	53.7	−53.2	4.8	53.4	174.8	0.0	1.0	0.25	53.8	−53.1	4.8	53.4	174	0.0	1.0	0.101	53.7	−57.9	15.5	60.1	165	0.0	1.0	0.267	53.9	−52.7	3.8	53.0	175	■	■	■
182.6	172.5	182.7	0.0	1.0	0.375	54.4	−49.8	−2.2	49.9	182.6	0.0	1.0	0.367	54.4	−50.0	−1.7	50.2	182	0.0	1.0	0.206	53.7	−54.8	7.7	55.4	172	0.0	1.0	0.37	54.4	−49.9	−1.9	50.1	182	■	■	□
194.3	180.0	189.6	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3	0.0	1.0	0.5	55.5	−44.2	−11.2	45.7	194	0.0	1.0	0.333	54.2	−51.0	0.0	51.1	180	0.0	1.0	0.45	55.0	−46.7	−7.8	47.4	189	■	■	■
206.4	187.5	196.4	0.0	1.0	0.625	55.9	−39.1	−19.5	43.7	206.4	0.0	1.0	0.617	55.9	−39.5	−18.9	43.9	205	0.0	1.0	0.422	54.8	−47.9	−5.8	48.4	187	0.0	1.0	0.517	55.5	−43.6	−12.4	45.5	195	■	■	□
219.8	195.0	203.2	0.0	1.0	0.75	56.0	−33.2	−27.7	43.3	219.8	0.0	1.0	0.75	56.0	−33.2	−27.7	43.4	219	0.0	1.0	0.507	55.5	−44.0	−11.7	45.6	195	0.0	1.0	0.592	55.8	−40.6	−17.4	44.3	203	■	■	■
230.0	202.5	210.1	0.0	1.0	0.875	54.4	−30.1	−36.0	46.9	230.0	0.0	1.0	0.867	54.5	−30.3	−35.4	46.7	229	0.0	1.0	0.579	55.8	−41.1	−16.6	44.5	202	0.0	1.0	0.655	56.0	−37.8	−21.5	43.7	209	■	■	□
244.1	210.0	216.9	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1	0.0	1.0	1.0	52.1	−22.7	−46.9	52.3	244	0.0	1.0	0.658	56.0	−37.7	−21.7	43.7	210	0.0	1.0	0.723	56.0	−34.6	−26.0	43.4	216	■	■	■
248.3	217.5	223.8	0.0	0.875	1.0	51.4	−20.0	−50.6	54.4	248.3	0.0	0.883	1.0	51.5	−20.2	−50.3	54.3	248	0.0	1.0	0.724	56.0	−34.6	−26.0	43.4	217	0.0	1.0	0.793	55.5	−32.3	−30.5	44.6	223	■	■	□
253.2	225.0	230.6	0.0	0.75	1.0	51.5	−16.4	−54.5	56.9	253.2	0.0	0.75	1.0	51.6	−16.3	−54.4	57.0	253	0.0	1.0	0.813	55.2	−31.8	−31.8	45.2	225	0.0	1.0	0.88	54.3	−29.8	−36.4	47.2	230	■	■	■
259.2	232.5	237.5	0.0	0.625	1.0	49.3	−10.5	−55.7	56.7	259.2	0.0	0.633	1.0	49.5	−10.9	−55.6	56.8	258	0.0	1.0	0.892	54.1	−29.3	−37.5	47.7	232	0.0	1.0	0.937	53.3	−26.9	−41.5	49.6	237	■	■	□
264.7	240.0	244.3	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7	0.0	0.5	1.0	45.4	−5.0	−54.6	54.9	264	0.0	1.0	0.963	52.8	−25.3	−43.8	50.7	240	0.0	0.993	1.0	52.1	−22.6	−47.2	52.4	244	■	■	■
271.3	247.5	251.2	0.0	0.375	1.0	40.2	1.2	−53.5	53.5	271.3	0.0	0.383	1.0	40.6	0.8	−53.6	53.7	270	0.0	0.915	1.0	51.6	−20.9	−49.4	53.8	247	0.0	0.814	1.0	51.5	−18.3	−52.5	55.7	250	■	■	□
278.9	255.0	258.0	0.0	0.25	1.0	35.8	8.1	−51.5	52.1	278.9	0.0	0.25	1.0	35.8	8.2	−51.4	52.2	278	0.0	0.713	1.0	50.9	−14.6	−54.9	56.9	255	0.0	0.65	1.0	49.8	−11.7	−55.5	56.8	258	■	■	■
289.8	262.5	264.8	0.0	0.125	1.0	34.5	17.3	−48.1	51.1	289.8	0.0	0.133	1.0	34.7	16.8	−48.3	51.2	289	0.0	0.562	1.0	47.4	−7.7	−55.2	55.8	262	0.0	0.506	1.0	45.6	−5.2	−54.6	55.0	264	■	■	□
299.9	270.0	271.7	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9	0.0	0.0	1.0	32.4	25.7	−44.5	51.4	299	0.0	0.4	1.0	41.3	0.0	−53.8	53.9	270	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271	■	■	■
307.1	277.5	278.8	0.125	0.0	1.0	31.4	32.0	−42.2	53.0	307.1	0.117	0.0	1.0	31.5	31.6	−42.3	52.9	306	0.0	0.282	1.0	37.0	6.4	−52.1	52.5	277	0.0	0.26	1.0	36.2	7.6	−51.6	52.3	278	■	■	□
315.9	285.0	285.9	0.25	0.0	1.0	30.9	39.6	−38.3	55.1	315.9	0.25	0.0	1.0	30.9	39.7	−38.3	55.2	315	0.0	0.181	1.0	35.1	13.4	−49.8	51.6	285	0.0	0.17	1.0	35.0	14.2	−49.4	51.5	285	■	■	■
322.1	292.5	293.0	0.375	0.0	1.0	33.0	45.3	−35.2	57.3	322.1	0.367	0.0	1.0	32.9	44.9	−35.4	57.3	321	0.0	0.098	1.0	34.1	19.2	−47.4	51.2	292	0.0	0.091	1.0	34.0	19.7	−47.2	51.2	292	■	■	□
326.8	300.0	300.1	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326	0.001	0.0	1.0	32.4	25.7	−44.4	51.4	300	0.004	0.0	1.0	32.3	25.9	−44.4	51.5	300	■	■	■
331.7	307.5	307.2	0.625	0.0	1.0	38.2	54.8	−29.4	62.2	331.7	0.617	0.0	1.0	38.1	54.5	−29.6	62.1	331	0.122	0.0	1.0	31.4	31.9	−42.2	53.0	307	0.119	0.0	1.0	31.5	31.7	−42.3	52.9	306	■	■	□
338.0	315.0	314.3	0.75	0.0	1.0	40.5	59.7	−24.0	64.3	338.0	0.75	0.0	1.0	40.6	59.7	−24.0	64.4	338	0.236	0.0	1.0	31.0	38.9	−38.8	55.0	315	0.227	0.0	1.0	31.0	38.3	−39.1	54.8	314	■	■	■
341.8	322.5	321.4	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8	0.867	0.0	1.0	42.9	64.7	−21.4	68.1	341	0.372	0.0	1.0	33.0	45.2	−35.2	57.3	322	0.352	0.0	1.0	32.7	44.3	−35.8	57.0	321	■	■	□
346.2	330.0	328.6	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2	1.0	0.0	1.0	46.8	70.8	−17.2	72.9	346	0.58	0.0	1.0	37.3	53.2	−30.6	61.4	330	0.545	0.0	1.0	36.4	51.8	−31.5	60.7	328	■	■	■
348.4	337.5	335.7	1.0	0.0	0.875	46.1	70.6	−14.4	72.0	348.4	1.0	0.0	0.883	46.2	70.6	−14.5	72.1	348	0.729	0.0	1.0	40.2	58.9	−24.9	64.0	337	0.694	0.0	1.0	39.5	57.6	−26.5	63.4	335	■	■	□
353.0	345.0	342.8	1.0	0.0	0.75	45.3	68.1	−8.3	68.6	353.0	1.0	0.0	0.75	45.4	68.1	−8.2	68.6	353	0.964	0.0	1.0	45.8	69.1	−18.4	71.6	345	0.902	0.0	1.0	43.9	66.3	−20.4	69.4	342	■	■	■
358.5	352.5	349.9	1.0	0.0	0.625	45.1	65.9	−1.7	65.9	358.5	1.0	0.0	0.633	45.1	66.1	−2.0	66.2	358	1.0	0.0	0.778	45.6	68.7	−9.6	69.4	352	1.0	0.0	0.848	46.0	70.1	−12.9	71.3	349	■	■	□
364.7	360.0	357.0	1.0	0.0	0.5	44.4	64.5	5.3	64.7	364.7	1.0	0.0	0.5	44.5	64.5	5.4	64.7	364	1.0	0.0	0.595	45.0	65.7	0.0	65.7	360	1.0	0.0	0.776	45.6	68.7	−9.5	69.4	352	■	■	■
370.1	367.5	364.1	1.0	0.0	0.375	44.8	62.0	11.0	63.0	370.1	1.0	0.0	0.383	44.8	62.3	10.7	63.2	369	1.0	0.0	0.448	44.6	63.6	7.8	64.0	367	1.0	0.0	0.598	45.0	65.7	−0.1	65.7	359	■	■	□
375.9	375.0	371.2	1.0	0.0	0.25	45.0	61.1	17.4	63.6	375.9	1.0	0.0	0.25	45.1	61.2	17.5	63.6	375	1.0	0.0	0.271	45.0	61.4	16.4	63.5	375	1.0	0.0	0.407	44.7	62.8	9.7	63.5	368	■	■	■
381.6	382.5	378.3	1.0	0.0	0.125	46.0	60.8	24.1	65.4	381.6	1.0	0.0	0.133	46.0	60.9	23.7	65.4	381	1.0	0.0	0.113	46.0	61.0	24.6	65.8	382	1.0	0.0	0.237	45.2	61.2	18.2	63.8	376	■	■	□
385.4	390.0	385.4	1.0	0.0	0.0	45.9	61.7	29.3	68.3	385.4	1.0	0.0	0.0	45.9	61.8	29.3	68.4	385	1.0	0.045	0.0	48.1	60.5	34.9	69.9	390	1.0	0.001	0.0	45.9	61.8	29.4	68.4	385	■	■	■

RE670−73 1−113730−L0 LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted Output: Offset standard print; separation cmyn6*, D65, page 8/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

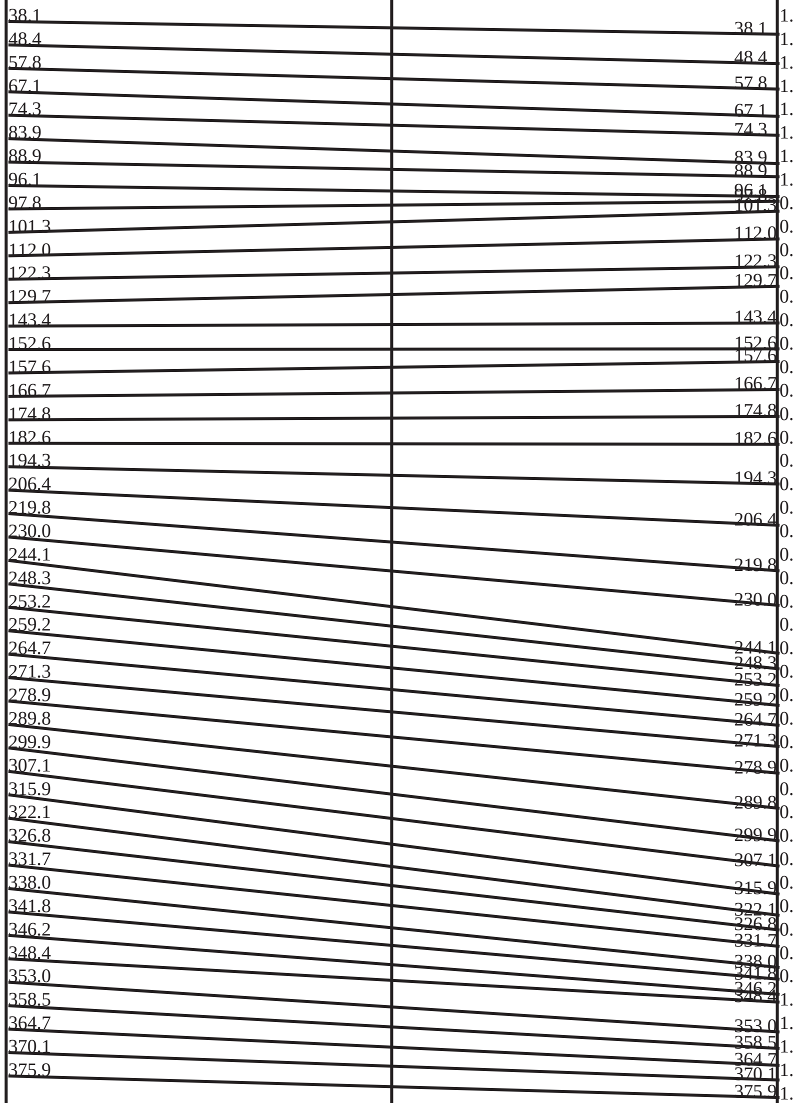
input: *rgb/cmyk* −> *rgb*$_{de}$
output: 3D-linearization to *cmyk**$_{de}$

1−113730−F0

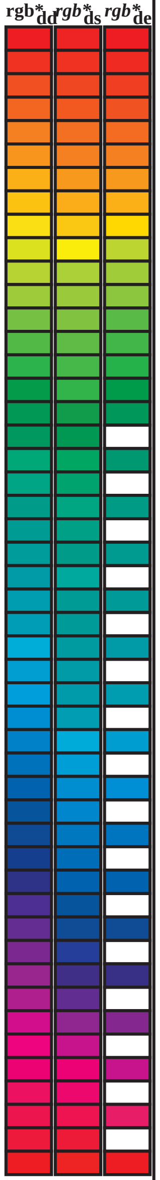
see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	*rgb**dd64M			*LAB**ddx64M (x=LabCh)				
25.4	30.0	25.4	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4
38.1	37.5	33.8	1.0	0.125	0.0	51.8	57.0	44.8	72.5	38.1
48.4	45.0	42.1	1.0	0.25	0.0	58.5	43.6	49.1	65.7	48.4
57.8	52.5	50.5	1.0	0.375	0.0	64.3	33.5	53.4	63.0	57.8
67.1	60.0	58.8	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67.1
74.3	67.5	67.2	1.0	0.625	0.0	73.7	17.3	61.9	64.3	74.3
83.9	75.0	75.6	1.0	0.75	0.0	80.6	6.5	62.0	62.4	83.9
88.9	82.5	83.9	1.0	0.875	0.0	84.6	1.0	57.3	57.3	88.9
96.1	90.0	92.3	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96.1
97.8	97.5	101.0	0.875	1.0	0.0	91.1	−10.3	75.8	76.5	97.8
101.3	105.0	109.7	0.75	1.0	0.0	87.9	−14.8	73.6	75.1	101.3
112.0	112.5	118.5	0.625	1.0	0.0	79.4	−24.5	60.6	65.4	112.0
122.3	120.0	127.2	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122.3
129.7	127.5	136.0	0.375	1.0	0.0	68.1	−38.1	45.8	59.6	129.7
143.4	135.0	144.7	0.25	1.0	0.0	61.4	−48.5	35.9	60.3	143.4
152.6	142.5	153.4	0.125	1.0	0.0	57.2	−54.2	28.0	61.0	152.6
157.6	150.0	162.2	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157.6
166.7	157.5	169.0	0.0	1.0	0.125	53.6	−57.4	13.5	59.0	166.7
174.8	165.0	175.9	0.0	1.0	0.25	53.7	−53.2	4.8	53.4	174.8
182.6	172.5	182.7	0.0	1.0	0.375	54.4	−49.8	−2.2	49.9	182.6
194.3	180.0	189.6	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194.3
206.4	187.5	196.4	0.0	1.0	0.625	55.9	−39.1	−19.5	43.7	206.4
219.8	195.0	203.2	0.0	1.0	0.75	56.0	−33.2	−27.7	43.3	219.8
230.0	202.5	210.1	0.0	1.0	0.875	54.4	−30.1	−36.0	46.9	230.0
244.1	210.0	216.9	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244.1
248.3	217.5	223.8	0.0	0.875	1.0	51.4	−20.0	−50.6	54.4	248.3
253.2	225.0	230.6	0.0	0.75	1.0	51.5	−16.4	−54.5	56.9	253.2
259.2	232.5	237.5	0.0	0.625	1.0	49.3	−10.5	−55.7	56.7	259.2
264.7	240.0	244.3	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264.7
271.3	247.5	251.2	0.0	0.375	1.0	40.2	1.2	−53.5	53.5	271.3
278.9	255.0	258.0	0.0	0.25	1.0	35.8	8.1	−51.5	52.1	278.9
289.8	262.5	264.8	0.0	0.125	1.0	34.5	17.3	−48.1	51.1	289.8
299.9	270.0	271.7	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299.9
307.1	277.5	278.8	0.125	0.0	1.0	31.4	32.0	−42.2	53.0	307.1
315.9	285.0	285.9	0.25	0.0	1.0	30.9	39.6	−38.3	55.1	315.9
322.1	292.5	293.0	0.375	0.0	1.0	33.0	45.3	−35.2	57.3	322.1
326.8	300.0	300.1	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326.8
331.7	307.5	307.2	0.625	0.0	1.0	38.2	54.8	−29.4	62.2	331.7
338.0	315.0	314.3	0.75	0.0	1.0	40.5	59.7	−24.0	64.3	338.0
341.8	322.5	321.4	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8
346.2	330.0	328.6	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346.2
348.4	337.5	335.7	1.0	0.0	0.875	46.1	70.6	−14.4	72.0	348.4
353.0	345.0	342.8	1.0	0.0	0.75	45.3	68.1	−8.3	68.6	353.0
358.5	352.5	349.9	1.0	0.0	0.625	45.1	65.9	−1.7	65.9	358.5
364.7	360.0	357.0	1.0	0.0	0.5	44.4	64.5	5.3	64.7	364.7
370.1	367.5	364.1	1.0	0.0	0.375	44.8	62.0	11.0	63.0	370.1
375.9	375.0	371.2	1.0	0.0	0.25	45.0	61.1	17.4	63.6	375.9
381.6	382.5	378.3	1.0	0.0	0.125	46.0	60.8	24.1	65.4	381.6
385.4	390.0	385.4	1.0	0.0	0.0	45.9	61.7	29.3	68.3	385.4



*rgb**dex361M			*LAB**dex361M				
1.0	0.001	0.0	45.9	61.8	29.4	68.4	25
1.0	0.077	0.0	49.6	59.3	38.9	71.0	33
1.0	0.174	0.0	54.5	51.8	46.9	69.9	42
1.0	0.271	0.0	59.5	42.0	50.0	65.3	49
1.0	0.389	0.0	64.9	32.6	54.0	63.0	58
1.0	0.494	0.0	69.3	24.9	57.7	62.8	66
1.0	0.641	0.0	74.7	15.9	62.1	64.1	75
1.0	0.742	0.0	80.2	7.2	62.1	62.6	83
1.0	0.933	0.0	86.9	−2.4	61.6	61.7	92
0.782	1.0	0.0	88.7	−13.6	74.3	75.5	100
0.652	1.0	0.0	81.3	−22.8	63.5	67.5	109
0.553	1.0	0.0	75.6	−29.5	55.8	63.2	117
0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127
0.323	1.0	0.0	65.4	−42.6	42.1	59.9	135
0.233	1.0	0.0	60.9	−49.3	34.9	60.5	144
0.119	1.0	0.0	57.1	−54.4	27.9	61.2	152
0.0	1.0	0.063	53.9	−58.6	18.8	61.7	162
0.0	1.0	0.154	53.6	−56.5	11.4	57.7	168
0.0	1.0	0.267	53.9	−52.7	3.8	53.0	175
0.0	1.0	0.37	54.4	−49.9	−1.9	50.1	182
0.0	1.0	0.45	55.0	−46.7	−7.8	47.4	189
0.0	1.0	0.517	55.5	−43.6	−12.4	45.5	195
0.0	1.0	0.592	55.8	−40.6	−17.4	44.3	203
0.0	1.0	0.655	56.0	−37.8	−21.5	43.7	209
0.0	1.0	0.723	56.0	−34.6	−26.0	43.4	216
0.0	1.0	0.793	55.5	−32.3	−30.5	44.6	223
0.0	1.0	0.88	54.3	−29.8	−36.4	47.2	230
0.0	1.0	0.937	53.3	−26.9	−41.5	49.6	237
0.0	0.993	1.0	52.1	−22.6	−47.2	52.4	244
0.0	0.814	1.0	51.5	−18.3	−52.5	55.7	250
0.0	0.65	1.0	49.8	−11.7	−55.5	56.8	258
0.0	0.506	1.0	45.6	−5.2	−54.6	55.0	264
0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271
0.0	0.26	1.0	36.2	7.6	−51.6	52.3	278
0.0	0.17	1.0	35.0	14.2	−49.4	51.5	285
0.0	0.091	1.0	34.0	19.7	−47.2	51.2	292
0.004	0.0	1.0	32.3	25.9	−44.4	51.5	300
0.119	0.0	1.0	31.5	31.7	−42.3	52.9	306
0.227	0.0	1.0	31.0	38.3	−39.1	54.8	314
0.352	0.0	1.0	32.7	44.3	−35.8	57.0	321
0.545	0.0	1.0	36.4	51.8	−31.5	60.7	328
0.694	0.0	1.0	39.5	57.6	−26.5	63.4	335
0.902	0.0	1.0	43.9	66.3	−20.4	69.4	342
1.0	0.0	0.848	46.0	70.1	−12.9	71.3	349
1.0	0.0	0.776	45.6	68.7	−9.5	69.4	352
1.0	0.0	0.598	45.0	65.7	−0.1	65.7	359
1.0	0.0	0.407	44.7	62.8	9.7	63.5	368
1.0	0.0	0.237	45.2	61.2	18.2	63.8	376
1.0	0.001	0.0	45.9	61.8	29.4	68.4	385



TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

RE670−73 1−113830−L0 LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyn6*, D65, page 9/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 10/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	*rgb**dd361M			*LAB**ddx361Mi (x=LabCh)						*rgb**ds361Mi			*LAB**dsx361Mi (x=LabCh)						*rgb**dd361Mi			*rgb**de361Mi			*LAB**dex361Mi (x=LabCh)						*rgb**dd361Mi			*rgb**dd	*rgb**ds	*rgb**de
25	30	25	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25	R_d	1.0	0.045	0.0	48.1	60.5	34.9	69.9	30	R_s	1.0	0.0	0.0	1.0	0.001	0.0	45.9	61.8	29.4	68.4	25	R_e	1.0	0.0	0.0	🟥	🟥	🟥
27	31	26	1.0	0.016	0.0	46.7	61.3	31.4	68.9	27		1.0	0.055	0.0	48.5	60.2	36.2	70.2	31		1.0	0.017	0.0	1.0	0.012	0.0	46.5	61.5	30.8	68.8	26		1.0	0.017	0.0	🟥	🟥	🟥
28	32	27	1.0	0.033	0.0	47.4	60.8	33.4	69.4	28		1.0	0.065	0.0	49.0	59.8	37.4	70.5	32		1.0	0.033	0.0	1.0	0.023	0.0	47.0	61.2	32.1	69.1	27		1.0	0.033	0.0	🟥	🟥	🟥
30	33	28	1.0	0.05	0.0	48.2	60.3	35.5	70.0	30		1.0	0.075	0.0	49.5	59.4	38.6	70.9	33		1.0	0.05	0.0	1.0	0.033	0.0	47.5	60.9	33.5	69.5	28		1.0	0.05	0.0	🟥	🟥	🟥
32	34	29	1.0	0.066	0.0	49.0	59.7	37.6	70.6	32		1.0	0.084	0.0	49.9	59.0	39.8	71.2	34		1.0	0.067	0.0	1.0	0.044	0.0	48.0	60.5	34.9	69.9	29		1.0	0.067	0.0	🟥	🟥	🟥
33	35	31	1.0	0.083	0.0	49.8	59.0	39.6	71.1	33		1.0	0.094	0.0	50.4	58.6	41.0	71.5	35		1.0	0.083	0.0	1.0	0.055	0.0	48.5	60.2	36.2	70.2	31		1.0	0.083	0.0	🟥	🟥	🟥
35	36	32	1.0	0.1	0.0	50.6	58.3	41.7	71.7	35		1.0	0.104	0.0	50.9	58.1	42.2	71.9	36		1.0	0.1	0.0	1.0	0.066	0.0	49.1	59.8	37.6	70.6	32		1.0	0.1	0.0	🟥	🟥	🟥
37	37	33	1.0	0.116	0.0	51.4	57.5	43.7	72.2	37		1.0	0.114	0.0	51.3	57.7	43.4	72.2	37		1.0	0.117	0.0	1.0	0.077	0.0	49.6	59.3	38.9	71.0	33		1.0	0.117	0.0	🟥	🟥	🟥
38	38	34	1.0	0.133	0.0	52.2	56.1	45.1	72.1	38		1.0	0.124	0.0	51.8	57.1	44.6	72.5	38		1.0	0.133	0.0	1.0	0.088	0.0	50.1	58.9	40.3	71.3	34		1.0	0.133	0.0	🟥	🟥	🟥
40	39	35	1.0	0.15	0.0	53.1	54.3	45.9	71.1	40		1.0	0.136	0.0	52.4	55.9	45.3	72.0	39		1.0	0.15	0.0	1.0	0.099	0.0	50.6	58.4	41.6	71.7	35		1.0	0.15	0.0	🟥	🟥	🟥
41	40	36	1.0	0.166	0.0	54.0	52.5	46.6	70.2	41		1.0	0.148	0.0	53.1	54.6	45.8	71.3	40		1.0	0.167	0.0	1.0	0.11	0.0	51.1	57.8	43.0	72.1	36		1.0	0.167	0.0	🟥	🟥	🟥
42	41	37	1.0	0.183	0.0	54.9	50.7	47.2	69.3	42		1.0	0.16	0.0	53.7	53.3	46.4	70.7	41		1.0	0.183	0.0	1.0	0.121	0.0	51.7	57.3	44.3	72.4	37		1.0	0.183	0.0	🟥	🟥	🟥
44	42	38	1.0	0.2	0.0	55.8	48.9	47.8	68.4	44		1.0	0.172	0.0	54.3	52.0	46.8	70.0	42		1.0	0.2	0.0	1.0	0.134	0.0	52.3	56.1	45.2	72.1	38		1.0	0.2	0.0	🟥	🟥	🟥
45	43	39	1.0	0.216	0.0	56.7	47.1	48.3	67.5	45		1.0	0.184	0.0	55.0	50.7	47.3	69.3	43		1.0	0.217	0.0	1.0	0.147	0.0	53.0	54.7	45.8	71.3	39		1.0	0.217	0.0	🟧	🟧	🟧
47	44	41	1.0	0.233	0.0	57.6	45.4	48.7	66.6	47		1.0	0.196	0.0	55.6	49.4	47.7	68.7	44		1.0	0.233	0.0	1.0	0.161	0.0	53.7	53.2	46.4	70.6	41		1.0	0.233	0.0	🟧	🟧	🟧
48	45	42	1.0	0.25	0.0	58.5	43.6	49.1	65.7	48		1.0	0.208	0.0	56.3	48.1	48.1	68.0	45		1.0	0.25	0.0	1.0	0.174	0.0	54.5	51.8	46.9	69.9	42		1.0	0.25	0.0	🟧	🟧	🟧
49	46	43	1.0	0.266	0.0	59.2	42.2	49.8	65.3	49		1.0	0.221	0.0	56.9	46.8	48.4	67.3	46		1.0	0.267	0.0	1.0	0.188	0.0	55.2	50.3	47.4	69.1	43		1.0	0.267	0.0	🟧	🟧	🟧
50	47	44	1.0	0.283	0.0	60.0	40.9	50.4	65.0	50		1.0	0.233	0.0	57.6	45.5	48.8	66.7	47		1.0	0.283	0.0	1.0	0.201	0.0	55.9	48.8	47.9	68.4	44		1.0	0.283	0.0	🟧	🟧	🟧
52	48	45	1.0	0.3	0.0	60.8	39.6	51.0	64.6	52		1.0	0.245	0.0	58.2	44.2	49.1	66.0	48		1.0	0.3	0.0	1.0	0.215	0.0	56.6	47.4	48.3	67.6	45		1.0	0.3	0.0	🟧	🟧	🟧
53	49	46	1.0	0.316	0.0	61.6	38.2	51.6	64.3	53		1.0	0.258	0.0	58.9	43.0	49.5	65.6	49		1.0	0.317	0.0	1.0	0.228	0.0	57.4	45.9	48.6	66.9	46		1.0	0.317	0.0	🟧	🟧	🟧
54	50	47	1.0	0.333	0.0	62.3	36.9	52.2	63.9	54		1.0	0.271	0.0	59.5	42.0	50.0	65.3	50		1.0	0.333	0.0	1.0	0.242	0.0	58.1	44.5	49.0	66.2	47		1.0	0.333	0.0	🟧	🟧	🟧
55	51	48	1.0	0.35	0.0	63.1	35.5	52.7	63.5	55		1.0	0.284	0.0	60.1	40.9	50.5	65.0	51		1.0	0.35	0.0	1.0	0.256	0.0	58.8	43.2	49.4	65.6	48		1.0	0.35	0.0	🟧	🟧	🟧
57	52	49	1.0	0.366	0.0	63.9	34.2	53.1	63.2	57		1.0	0.297	0.0	60.7	39.8	51.0	64.7	52		1.0	0.367	0.0	1.0	0.271	0.0	59.5	42.0	50.0	65.3	49		1.0	0.367	0.0	🟧	🟧	🟧
58	53	51	1.0	0.383	0.0	64.6	32.9	53.7	63.0	58		1.0	0.31	0.0	61.3	38.8	51.5	64.4	53		1.0	0.383	0.0	1.0	0.285	0.0	60.2	40.8	50.6	65.0	51		1.0	0.383	0.0	🟧	🟧	🟧
59	54	52	1.0	0.4	0.0	65.3	31.7	54.4	63.0	59		1.0	0.324	0.0	61.9	37.7	51.9	64.2	54		1.0	0.4	0.0	1.0	0.3	0.0	60.8	39.6	51.1	64.7	52		1.0	0.4	0.0	🟧	🟧	🟧
60	55	53	1.0	0.416	0.0	66.0	30.5	55.0	62.9	60		1.0	0.337	0.0	62.6	36.6	52.3	63.9	55		1.0	0.417	0.0	1.0	0.315	0.0	61.5	38.4	51.6	64.3	53		1.0	0.417	0.0	🟧	🟧	🟧
62	56	54	1.0	0.433	0.0	66.7	29.3	55.6	62.9	62		1.0	0.35	0.0	63.2	35.6	52.7	63.6	56		1.0	0.433	0.0	1.0	0.329	0.0	62.2	37.2	52.1	64.0	54		1.0	0.433	0.0	🟧	🟧	🟧
63	57	55	1.0	0.45	0.0	67.4	28.1	56.2	62.9	63		1.0	0.363	0.0	63.8	34.5	53.1	63.3	57		1.0	0.45	0.0	1.0	0.344	0.0	62.9	36.0	52.5	63.7	55		1.0	0.45	0.0	🟧	🟧	🟧
64	58	56	1.0	0.466	0.0	68.1	26.8	56.8	62.8	64		1.0	0.377	0.0	64.4	33.4	53.5	63.1	58		1.0	0.467	0.0	1.0	0.359	0.0	63.6	34.8	53.0	63.4	56		1.0	0.467	0.0	🟧	🟧	🟧
65	59	57	1.0	0.483	0.0	68.8	25.6	57.3	62.8	65		1.0	0.39	0.0	65.0	32.5	54.0	63.0	59		1.0	0.483	0.0	1.0	0.374	0.0	64.3	33.6	53.4	63.1	57		1.0	0.483	0.0	🟧	🟧	🟧
67	60	58	1.0	0.5	0.0	69.5	24.3	57.8	62.8	67		1.0	0.404	0.0	65.5	31.5	54.6	63.0	60		1.0	0.5	0.0	1.0	0.389	0.0	64.9	32.6	54.0	63.0	58		1.0	0.5	0.0	🟧	🟧	🟧
68	61	60	1.0	0.516	0.0	70.1	23.5	58.4	63.0	68		1.0	0.417	0.0	66.1	30.5	55.1	63.0	61		1.0	0.517	0.0	1.0	0.404	0.0	65.5	31.5	54.6	63.0	60		1.0	0.517	0.0	🟧	🟧	🟧
69	62	61	1.0	0.533	0.0	70.6	22.5	59.0	63.2	69		1.0	0.431	0.0	66.7	29.6	55.6	63.0	62		1.0	0.533	0.0	1.0	0.419	0.0	66.2	30.4	55.1	63.0	61		1.0	0.533	0.0	🟧	🟧	🟧
70	63	62	1.0	0.55	0.0	71.2	21.6	59.6	63.4	70		1.0	0.444	0.0	67.2	28.6	56.1	62.9	63		1.0	0.55	0.0	1.0	0.434	0.0	66.8	29.3	55.7	62.9	62		1.0	0.55	0.0	🟧	🟧	🟧
70	64	63	1.0	0.566	0.0	71.8	20.7	60.1	63.6	70		1.0	0.458	0.0	67.8	27.6	56.5	62.9	64		1.0	0.567	0.0	1.0	0.449	0.0	67.4	28.2	56.2	62.9	63		1.0	0.567	0.0	🟧	🟧	🟧
71	65	64	1.0	0.583	0.0	72.3	19.7	60.7	63.8	71		1.0	0.471	0.0	68.3	26.6	57.0	62.9	65		1.0	0.583	0.0	1.0	0.464	0.0	68.0	27.1	56.7	62.9	64		1.0	0.583	0.0	🟧	🟧	🟧
72	66	65	1.0	0.6	0.0	72.9	18.8	61.2	64.0	72		1.0	0.485	0.0	68.9	25.6	57.4	62.8	66		1.0	0.6	0.0	1.0	0.479	0.0	68.7	26.0	57.2	62.9	65		1.0	0.6	0.0	🟧	🟧	🟧
73	67	66	1.0	0.616	0.0	73.4	17.8	61.7	64.2	73		1.0	0.498	0.0	69.5	24.5	57.8	62.8	67		1.0	0.617	0.0	1.0	0.494	0.0	69.3	24.9	57.7	62.8	66		1.0	0.617	0.0	🟧	🟧	🟧
74	68	67	1.0	0.633	0.0	74.2	16.6	62.0	64.2	74		1.0	0.515	0.0	70.1	23.6	58.4	63.0	68		1.0	0.633	0.0	1.0	0.511	0.0	69.9	23.8	58.3	63.0	67		1.0	0.633	0.0	🟧	🟧	🟧
76	69	68	1.0	0.65	0.0	75.1	15.1	62.1	63.9	76		1.0	0.532	0.0	70.6	22.7	59.0	63.2	69		1.0	0.65	0.0	1.0	0.531	0.0	70.6	22.7	59.0	63.2	68		1.0	0.65	0.0	🟧	🟧	🟧
77	70	70	1.0	0.666	0.0	76.0	13.7	62.2	63.7	77		1.0	0.55	0.0	71.2	21.7	59.6	63.4	70		1.0	0.667	0.0	1.0	0.55	0.0	71.2	21.7	59.6	63.4	70		1.0	0.667	0.0	🟧	🟧	🟧
78	71	71	1.0	0.683	0.0	76.9	12.2	62.2	63.4	78		1.0	0.567	0.0	71.8	20.7	60.2	63.7	71		1.0	0.683	0.0	1.0	0.569	0.0	71.9	20.6	60.3	63.7	71		1.0	0.683	0.0	🟧	🟧	🟧
80	72	72	1.0	0.7	0.0	77.8	10.8	62.2	63.2	80		1.0	0.584	0.0	72.4	19.7	60.7	63.9	72		1.0	0.7	0.0	1.0	0.589	0.0	72.6	19.5	60.9	63.9	72		1.0	0.7	0.0	🟧	🟧	🟧
81	73	73	1.0	0.716	0.0	78.7	9.3	62.2	62.9	81		1.0	0.602	0.0	73.0	18.7	61.3	64.1	73		1.0	0.717	0.0	1.0	0.608	0.0	73.2	18.4	61.5	64.2	73		1.0	0.717	0.0	🟧	🟧	🟧
82	74	74	1.0	0.733	0.0	79.6	7.9	62.1	62.7	82		1.0	0.619	0.0	73.6	17.7	61.8	64.3	74		1.0	0.733	0.0	1.0	0.627	0.0	73.9	17.2	62.0	64.4	74		1.0	0.733	0.0	🟧	🟧	🟧
83	75	75	1.0	0.75	0.0	80.6	6.5	62.0	62.4	83		1.0	0.633	0.0	74.2	16.6	62.1	64.2	75		1.0	0.75	0.0	1.0	0.641	0.0	74.7	15.9	62.1	64.1	75		1.0	0.75	0.0	🟧	🟧	🟧

RE670−73 1−113930−L0 LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted Output: Offset standard print; separation cmyn6*, D65, page 10/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

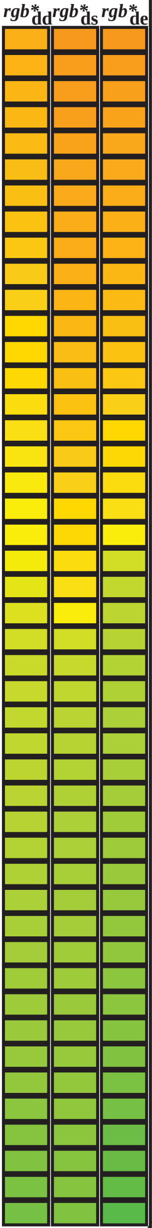
TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 11/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{ddx361Mi}$ (x=LabCh)						$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)						$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)						$rgb^*_{dd361Mi}$		
83	75	75	1.0	0.75	0.0	80.6	6.5	62.0	62.4	83		1.0	0.633	0.0	74.2	16.6	62.1	64.2	75		1.0	0.75	0.0	1.0	0.641	0.0	74.7	15.9	62.1	64.1	75		1.0	0.75	0.0
84	76	76	1.0	0.766	0.0	81.1	5.7	61.4	61.7	84		1.0	0.646	0.0	74.9	15.5	62.1	64.0	76		1.0	0.767	0.0	1.0	0.656	0.0	75.5	14.7	62.2	63.9	76		1.0	0.767	0.0
85	77	77	1.0	0.783	0.0	81.6	4.9	60.8	61.0	85		1.0	0.659	0.0	75.7	14.4	62.2	63.8	77		1.0	0.783	0.0	1.0	0.67	0.0	76.2	13.4	62.2	63.7	77		1.0	0.783	0.0
85	78	78	1.0	0.8	0.0	82.2	4.2	60.2	60.3	85		1.0	0.672	0.0	76.4	13.2	62.3	63.6	78		1.0	0.8	0.0	1.0	0.685	0.0	77.0	12.2	62.3	63.5	78		1.0	0.8	0.0
86	79	80	1.0	0.816	0.0	82.7	3.4	59.6	59.7	86		1.0	0.685	0.0	77.1	12.1	62.3	63.4	79		1.0	0.817	0.0	1.0	0.699	0.0	77.8	10.9	62.3	63.2	80		1.0	0.817	0.0
87	80	81	1.0	0.833	0.0	83.3	2.7	58.9	59.0	87		1.0	0.698	0.0	77.8	11.0	62.3	63.2	80		1.0	0.833	0.0	1.0	0.713	0.0	78.6	9.7	62.3	63.0	81		1.0	0.833	0.0
87	81	82	1.0	0.85	0.0	83.8	2.0	58.3	58.3	87		1.0	0.711	0.0	78.5	9.9	62.3	63.0	81		1.0	0.85	0.0	1.0	0.728	0.0	79.4	8.4	62.2	62.8	82		1.0	0.85	0.0
88	82	83	1.0	0.866	0.0	84.3	1.3	57.6	57.6	88		1.0	0.724	0.0	79.2	8.7	62.2	62.8	82		1.0	0.867	0.0	1.0	0.742	0.0	80.2	7.2	62.1	62.6	83		1.0	0.867	0.0
89	83	84	1.0	0.883	0.0	84.9	0.5	57.9	57.9	89		1.0	0.737	0.0	79.9	7.6	62.2	62.6	83		1.0	0.883	0.0	1.0	0.763	0.0	81.0	5.9	61.6	61.9	84		1.0	0.883	0.0
90	84	85	1.0	0.9	0.0	85.6	−0.4	59.2	59.2	90		1.0	0.75	0.0	80.6	6.5	62.1	62.4	84		1.0	0.9	0.0	1.0	0.791	0.0	81.9	4.6	60.6	60.8	85		1.0	0.9	0.0
91	85	86	1.0	0.916	0.0	86.2	−1.4	60.4	60.4	91		1.0	0.775	0.0	81.4	5.4	61.2	61.4	85		1.0	0.917	0.0	1.0	0.819	0.0	82.8	3.4	59.5	59.6	86		1.0	0.917	0.0
92	86	87	1.0	0.933	0.0	86.9	−2.5	61.6	61.7	92		1.0	0.8	0.0	82.2	4.2	60.2	60.4	86		1.0	0.933	0.0	1.0	0.847	0.0	83.7	2.2	58.4	58.5	87		1.0	0.933	0.0
93	87	88	1.0	0.95	0.0	87.5	−3.6	62.8	62.9	93		1.0	0.825	0.0	83.0	3.1	59.3	59.4	87		1.0	0.95	0.0	1.0	0.875	0.0	84.6	1.0	57.3	57.4	88		1.0	0.95	0.0
94	88	90	1.0	0.966	0.0	88.2	−4.7	64.0	64.2	94		1.0	0.85	0.0	83.9	2.0	58.3	58.3	88		1.0	0.967	0.0	1.0	0.894	0.0	85.4	0.0	58.8	58.8	90		1.0	0.967	0.0
95	89	91	1.0	0.983	0.0	88.8	−5.9	65.2	65.4	95		1.0	0.875	0.0	84.7	1.0	57.3	57.4	89		1.0	0.983	0.0	1.0	0.914	0.0	86.1	−1.2	60.2	60.2	91		1.0	0.983	0.0
96	90	92	1.0	1.0	0.0	89.4	−7.1	66.3	66.7	96	Y_d	1.0	0.893	0.0	85.3	0.0	58.7	58.7	90	Y_s	1.0	1.0	0.0	1.0	0.933	0.0	86.9	−2.4	61.6	61.7	92	Y_e	1.0	1.0	0.0
96	91	93	0.983	1.0	0.0	89.7	−7.5	67.6	68.0	96		1.0	0.91	0.0	86.0	−0.9	60.0	60.0	91		0.983	1.0	0.0	1.0	0.953	0.0	87.7	−3.7	63.1	63.2	93		0.983	1.0	0.0
96	92	94	0.966	1.0	0.0	89.9	−7.9	68.9	69.3	96		1.0	0.928	0.0	86.7	−2.0	61.2	61.3	92		0.967	1.0	0.0	1.0	0.974	0.0	88.5	−5.1	64.5	64.8	94		0.967	1.0	0.0
96	93	95	0.95	1.0	0.0	90.1	−8.3	70.1	70.6	96		1.0	0.945	0.0	87.4	−3.2	62.5	62.6	93		0.95	1.0	0.0	1.0	0.994	0.0	89.3	−6.6	65.9	66.3	95		0.95	1.0	0.0
97	94	96	0.933	1.0	0.0	90.3	−8.8	71.4	71.9	97		1.0	0.962	0.0	88.0	−4.4	63.8	63.9	94		0.933	1.0	0.0	0.938	1.0	0.0	90.3	−8.6	71.1	71.6	96		0.933	1.0	0.0
97	95	98	0.916	1.0	0.0	90.5	−9.2	72.7	73.3	97		1.0	0.98	0.0	88.7	−5.6	65.0	65.2	95		0.917	1.0	0.0	0.863	1.0	0.0	90.8	−10.7	75.7	76.5	98		0.917	1.0	0.0
97	96	99	0.9	1.0	0.0	90.7	−9.7	73.9	74.6	97		1.0	0.997	0.0	89.4	−6.9	66.2	66.5	96		0.9	1.0	0.0	0.822	1.0	0.0	89.8	−12.2	75.0	76.0	99		0.9	1.0	0.0
97	97	100	0.883	1.0	0.0	91.0	−10.1	75.2	75.9	97		0.936	1.0	0.0	90.3	−8.6	71.3	71.8	97		0.883	1.0	0.0	0.782	1.0	0.0	88.7	−13.6	74.3	75.5	100		0.883	1.0	0.0
98	98	101	0.866	1.0	0.0	90.9	−10.7	75.7	76.5	98		0.868	1.0	0.0	91.0	−10.5	75.8	76.5	98		0.867	1.0	0.0	0.747	1.0	0.0	87.7	−15.0	73.4	74.9	101		0.867	1.0	0.0
98	99	102	0.85	1.0	0.0	90.4	−11.3	75.4	76.3	98		0.833	1.0	0.0	90.1	−11.8	75.2	76.1	99		0.85	1.0	0.0	0.733	1.0	0.0	86.8	−16.3	72.0	73.8	102		0.85	1.0	0.0
98	100	103	0.833	1.0	0.0	90.0	−11.8	75.1	76.1	98		0.798	1.0	0.0	89.2	−13.0	74.6	75.7	100		0.833	1.0	0.0	0.72	1.0	0.0	85.9	−17.5	70.6	72.8	103		0.833	1.0	0.0
99	101	105	0.816	1.0	0.0	89.6	−12.4	74.8	75.9	99		0.763	1.0	0.0	88.3	−14.3	73.9	75.3	101		0.817	1.0	0.0	0.706	1.0	0.0	85.0	−18.6	69.2	71.7	105		0.817	1.0	0.0
99	102	106	0.8	1.0	0.0	89.2	−13.0	74.5	75.7	99		0.743	1.0	0.0	87.4	−15.4	72.9	74.6	102		0.8	1.0	0.0	0.692	1.0	0.0	84.0	−19.7	67.8	70.7	106		0.8	1.0	0.0
100	103	107	0.783	1.0	0.0	88.7	−13.6	74.2	75.5	100		0.731	1.0	0.0	86.7	−16.5	71.8	73.7	103		0.783	1.0	0.0	0.679	1.0	0.0	83.1	−20.8	66.4	69.6	107		0.783	1.0	0.0
100	104	108	0.766	1.0	0.0	88.3	−14.2	73.9	75.3	100		0.719	1.0	0.0	85.9	−17.5	70.6	72.8	104		0.767	1.0	0.0	0.665	1.0	0.0	82.2	−21.8	65.0	68.6	108		0.767	1.0	0.0
101	105	109	0.75	1.0	0.0	87.9	−14.8	73.6	75.1	101		0.708	1.0	0.0	85.1	−18.5	69.4	71.8	105		0.75	1.0	0.0	0.652	1.0	0.0	81.3	−22.8	63.5	67.5	109		0.75	1.0	0.0
102	106	110	0.733	1.0	0.0	86.8	−16.3	72.0	73.8	102		0.696	1.0	0.0	84.3	−19.5	68.2	70.9	106		0.733	1.0	0.0	0.638	1.0	0.0	80.3	−23.7	62.0	66.4	110		0.733	1.0	0.0
104	107	112	0.716	1.0	0.0	85.6	−17.8	70.3	72.5	104		0.684	1.0	0.0	83.5	−20.4	67.0	70.0	107		0.717	1.0	0.0	0.624	1.0	0.0	79.4	−24.5	60.6	65.4	112		0.717	1.0	0.0
105	108	113	0.7	1.0	0.0	84.5	−19.2	68.6	71.2	105		0.673	1.0	0.0	82.7	−21.3	65.7	69.1	108		0.7	1.0	0.0	0.61	1.0	0.0	78.7	−25.6	59.7	65.0	113		0.7	1.0	0.0
107	109	114	0.683	1.0	0.0	83.4	−20.5	66.8	69.9	107		0.661	1.0	0.0	81.9	−22.1	64.5	68.2	109		0.683	1.0	0.0	0.596	1.0	0.0	77.9	−26.6	58.7	64.5	114		0.683	1.0	0.0
108	110	115	0.666	1.0	0.0	82.2	−21.7	65.1	68.6	108		0.649	1.0	0.0	81.1	−22.9	63.2	67.3	110		0.667	1.0	0.0	0.582	1.0	0.0	77.1	−27.6	57.8	64.1	115		0.667	1.0	0.0
109	111	116	0.65	1.0	0.0	81.1	−22.9	63.3	67.3	109		0.637	1.0	0.0	80.3	−23.7	62.0	66.4	111		0.65	1.0	0.0	0.567	1.0	0.0	76.3	−28.6	56.8	63.6	116		0.65	1.0	0.0
111	112	117	0.633	1.0	0.0	80.0	−24.0	61.5	66.0	111		0.626	1.0	0.0	79.5	−24.4	60.7	65.5	112		0.633	1.0	0.0	0.553	1.0	0.0	75.6	−29.5	55.8	63.2	117		0.633	1.0	0.0
112	113	119	0.616	1.0	0.0	79.0	−25.2	60.0	65.1	112		0.614	1.0	0.0	78.8	−25.3	59.9	65.1	113		0.617	1.0	0.0	0.539	1.0	0.0	74.8	−30.4	54.8	62.7	119		0.617	1.0	0.0
114	114	120	0.6	1.0	0.0	78.0	−26.4	58.9	64.6	114		0.601	1.0	0.0	78.2	−26.2	59.1	64.7	114		0.6	1.0	0.0	0.525	1.0	0.0	74.0	−31.3	53.8	62.3	120		0.6	1.0	0.0
115	115	121	0.583	1.0	0.0	77.1	−27.5	57.8	64.1	115		0.589	1.0	0.0	77.5	−27.1	58.3	64.3	115		0.583	1.0	0.0	0.511	1.0	0.0	73.2	−32.2	52.8	61.8	121		0.583	1.0	0.0
116	116	122	0.566	1.0	0.0	76.2	−28.7	56.7	63.5	116		0.577	1.0	0.0	76.8	−27.9	57.5	63.9	116		0.567	1.0	0.0	0.495	1.0	0.0	72.5	−33.0	51.8	61.4	122		0.567	1.0	0.0
118	117	123	0.55	1.0	0.0	75.3	−29.8	55.5	63.0	118		0.565	1.0	0.0	76.2	−28.7	56.6	63.5	117		0.55	1.0	0.0	0.475	1.0	0.0	71.8	−33.9	50.8	61.1	123		0.55	1.0	0.0
119	118	124	0.533	1.0	0.0	74.4	−30.8	54.4	62.5	119		0.553	1.0	0.0	75.5	−29.6	55.8	63.2	118		0.533	1.0	0.0	0.456	1.0	0.0	71.1	−34.7	49.9	60.8	124		0.533	1.0	0.0
120	119	126	0.516	1.0	0.0	73.5	−31.8	53.2	62.0	120		0.54	1.0	0.0	74.9	−30.3	54.9	62.8	119		0.517	1.0	0.0	0.436	1.0	0.0	70.3	−35.6	48.9	60.5	126		0.517	1.0	0.0
122	120	127	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122		0.528	1.0	0.0	74.2	−31.1	54.0	62.4	120		0.5	1.0	0.0	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127		0.5	1.0	0.0



see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

RE670−73 1−1131030−L0

LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyn6*, D65, page 11/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 12/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*dd361M			LAB^*ddx361Mi (x=LabCh)					rgb^*ds361Mi			LAB^*dsx361Mi (x=LabCh)					rgb^*dd361Mi			rgb^*de361Mi			LAB^*dex361Mi (x=LabCh)					rgb^*dd361Mi			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
122	120	127	0.5	1.0	0.0	72.6	−32.8	51.9	61.5	122	0.528	1.0	0.0	74.2	−31.1	54.0	62.4	120	0.5	1.0	0.0	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127	0.5	1.0	0.0	🟩	🟩	🟩
123	121	128	0.483	1.0	0.0	72.0	−33.6	51.2	61.2	123	0.516	1.0	0.0	73.5	−31.8	53.2	62.0	121	0.483	1.0	0.0	0.397	1.0	0.0	68.9	−37.2	47.0	59.9	128	0.483	1.0	0.0	🟩	🟩	🟩
124	122	129	0.466	1.0	0.0	71.4	−34.3	50.4	61.0	124	0.504	1.0	0.0	72.9	−32.6	52.3	61.6	122	0.467	1.0	0.0	0.377	1.0	0.0	68.2	−37.9	46.0	59.7	129	0.467	1.0	0.0	🟩	🟩	🟩
125	123	130	0.45	1.0	0.0	70.8	−35.0	49.5	60.7	125	0.488	1.0	0.0	72.2	−33.3	51.4	61.3	123	0.45	1.0	0.0	0.366	1.0	0.0	67.6	−38.9	45.2	59.7	130	0.45	1.0	0.0	🟩	🟩	🟩
126	124	131	0.433	1.0	0.0	70.2	−35.7	48.7	60.5	126	0.471	1.0	0.0	71.6	−34.1	50.6	61.1	124	0.433	1.0	0.0	0.355	1.0	0.0	67.1	−39.8	44.4	59.7	131	0.433	1.0	0.0	🟩	🟩	🟩
127	125	133	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127	0.455	1.0	0.0	71.0	−34.8	49.8	60.8	125	0.417	1.0	0.0	0.344	1.0	0.0	66.5	−40.8	43.7	59.8	133	0.417	1.0	0.0	🟩	🟩	🟩
128	126	134	0.4	1.0	0.0	69.0	−37.1	47.1	59.9	128	0.438	1.0	0.0	70.4	−35.5	49.0	60.6	126	0.4	1.0	0.0	0.334	1.0	0.0	65.9	−41.7	42.9	59.9	134	0.4	1.0	0.0	🟩	🟩	🟩
129	127	135	0.383	1.0	0.0	68.4	−37.7	46.2	59.7	129	0.421	1.0	0.0	69.8	−36.2	48.2	60.3	127	0.383	1.0	0.0	0.323	1.0	0.0	65.4	−42.6	42.1	59.9	135	0.383	1.0	0.0	🟩	🟩	🟩
130	128	136	0.366	1.0	0.0	67.6	−38.8	45.2	59.6	130	0.404	1.0	0.0	69.2	−36.9	47.3	60.1	128	0.367	1.0	0.0	0.313	1.0	0.0	64.8	−43.5	41.2	60.0	136	0.367	1.0	0.0	🟩	🟩	🟩
132	129	137	0.35	1.0	0.0	66.8	−40.3	44.0	59.7	132	0.387	1.0	0.0	68.6	−37.5	46.5	59.8	129	0.35	1.0	0.0	0.302	1.0	0.0	64.3	−44.4	40.4	60.1	137	0.35	1.0	0.0	🟩	🟩	🟩
134	130	138	0.333	1.0	0.0	65.9	−41.8	42.8	59.8	134	0.372	1.0	0.0	68.0	−38.2	45.7	59.6	130	0.333	1.0	0.0	0.292	1.0	0.0	63.7	−45.2	39.5	60.1	138	0.333	1.0	0.0	🟩	🟩	🟩
136	131	140	0.316	1.0	0.0	65.0	−43.2	41.5	59.9	136	0.363	1.0	0.0	67.5	−39.1	45.0	59.7	131	0.317	1.0	0.0	0.281	1.0	0.0	63.1	−46.1	38.6	60.2	140	0.317	1.0	0.0	🟩	🟩	🟩
137	132	141	0.3	1.0	0.0	64.1	−44.6	40.2	60.0	137	0.354	1.0	0.0	67.0	−39.9	44.4	59.7	132	0.3	1.0	0.0	0.27	1.0	0.0	62.6	−46.9	37.7	60.3	141	0.3	1.0	0.0	🟩	🟩	🟩
139	133	142	0.283	1.0	0.0	63.2	−45.9	38.8	60.1	139	0.345	1.0	0.0	66.6	−40.7	43.7	59.8	133	0.283	1.0	0.0	0.26	1.0	0.0	62.0	−47.7	36.8	60.3	142	0.283	1.0	0.0	🟩	🟩	🟩
141	134	143	0.266	1.0	0.0	62.3	−47.2	37.3	60.2	141	0.336	1.0	0.0	66.1	−41.5	43.1	59.9	134	0.267	1.0	0.0	0.249	1.0	0.0	61.4	−48.5	35.9	60.4	143	0.267	1.0	0.0	🟩	🟩	🟩
143	135	144	0.25	1.0	0.0	61.4	−48.5	35.9	60.3	143	0.327	1.0	0.0	65.6	−42.3	42.4	59.9	135	0.25	1.0	0.0	0.233	1.0	0.0	60.9	−49.3	34.9	60.5	144	0.25	1.0	0.0	🟩	🟩	🟩
144	136	145	0.233	1.0	0.0	60.9	−49.3	34.9	60.4	144	0.318	1.0	0.0	65.1	−43.0	41.7	60.0	136	0.233	1.0	0.0	0.217	1.0	0.0	60.4	−50.1	33.9	60.6	145	0.233	1.0	0.0	🟩	🟩	🟩
145	137	147	0.216	1.0	0.0	60.3	−50.1	33.9	60.5	145	0.309	1.0	0.0	64.6	−43.8	40.9	60.0	137	0.217	1.0	0.0	0.201	1.0	0.0	59.8	−50.8	33.0	60.7	147	0.217	1.0	0.0	🟩	🟩	🟩
147	138	148	0.2	1.0	0.0	59.7	−50.9	32.8	60.6	147	0.3	1.0	0.0	64.1	−44.6	40.2	60.1	138	0.2	1.0	0.0	0.185	1.0	0.0	59.3	−51.6	32.0	60.7	148	0.2	1.0	0.0	🟩	🟩	🟩
148	139	149	0.183	1.0	0.0	59.2	−51.7	31.8	60.7	148	0.291	1.0	0.0	63.6	−45.3	39.5	60.1	139	0.183	1.0	0.0	0.169	1.0	0.0	58.7	−52.3	31.0	60.8	149	0.183	1.0	0.0	🟩	🟩	🟩
149	140	150	0.166	1.0	0.0	58.6	−52.4	30.7	60.8	149	0.282	1.0	0.0	63.2	−46.0	38.7	60.2	140	0.167	1.0	0.0	0.154	1.0	0.0	58.2	−53.0	29.9	60.9	150	0.167	1.0	0.0	🟩	🟩	🟩
150	141	151	0.15	1.0	0.0	58.0	−53.2	29.7	60.9	150	0.273	1.0	0.0	62.7	−46.7	37.9	60.3	141	0.15	1.0	0.0	0.138	1.0	0.0	57.7	−53.6	28.9	61.0	151	0.15	1.0	0.0	🟩	🟩	🟩
152	142	152	0.133	1.0	0.0	57.5	−53.9	28.6	61.0	152	0.264	1.0	0.0	62.2	−47.4	37.1	60.3	142	0.133	1.0	0.0	0.119	1.0	0.0	57.1	−54.4	27.9	61.2	152	0.133	1.0	0.0	🟩	🟩	🟩
152	143	154	0.116	1.0	0.0	57.0	−54.6	27.8	61.2	152	0.255	1.0	0.0	61.7	−48.1	36.3	60.4	143	0.117	1.0	0.0	0.09	1.0	0.0	56.4	−55.7	27.1	62.0	154	0.117	1.0	0.0	🟩	🟩	🟩
153	144	155	0.1	1.0	0.0	56.6	−55.3	27.3	61.7	153	0.243	1.0	0.0	61.2	−48.8	35.5	60.4	144	0.1	1.0	0.0	0.061	1.0	0.0	55.6	−56.9	26.3	62.8	155	0.1	1.0	0.0	🟩	🟩	🟩
154	145	156	0.083	1.0	0.0	56.2	−56.0	26.9	62.1	154	0.23	1.0	0.0	60.8	−49.5	34.7	60.5	145	0.083	1.0	0.0	0.032	1.0	0.0	54.9	−58.1	25.4	63.5	156	0.083	1.0	0.0	🟩	🟩	🟩
154	146	157	0.066	1.0	0.0	55.7	−56.7	26.4	62.6	154	0.216	1.0	0.0	60.3	−50.1	33.9	60.6	146	0.067	1.0	0.0	0.002	1.0	0.0	54.2	−59.3	24.5	64.3	157	0.067	1.0	0.0	🟩	🟩	🟩
155	147	158	0.049	1.0	0.0	55.3	−57.4	25.9	63.0	155	0.202	1.0	0.0	59.8	−50.8	33.0	60.7	147	0.05	1.0	0.0	0.0	1.0	0.015	54.1	−59.3	23.1	63.7	158	0.05	1.0	0.0	🟩	🟩	🟩
156	148	159	0.033	1.0	0.0	54.9	−58.1	25.4	63.4	156	0.189	1.0	0.0	59.4	−51.4	32.2	60.7	148	0.033	1.0	0.0	0.0	1.0	0.031	54.0	−59.1	21.7	63.0	159	0.033	1.0	0.0	🟩	🟩	🟩
156	149	161	0.016	1.0	0.0	54.5	−58.8	24.9	63.9	156	0.175	1.0	0.0	58.9	−52.0	31.3	60.8	149	0.017	1.0	0.0	0.0	1.0	0.047	53.9	−58.9	20.2	62.4	161	0.017	1.0	0.0	🟩	🟩	🟩
157	150	162	0.0	1.0	0.0	54.1	−59.5	24.4	64.3	157 G_d	0.161	1.0	0.0	58.5	−52.6	30.4	60.9	150 G_s	0.0	1.0	0.0	0.0	1.0	0.063	53.9	−58.6	18.8	61.7	162 G_e	0.0	1.0	0.0	🟩	🟩	🟩
158	151	163	0.0	1.0	0.016	54.0	−59.3	22.9	63.6	158	0.148	1.0	0.0	58.0	−53.2	29.5	61.0	151	0.0	1.0	0.017	0.0	1.0	0.075	53.8	−58.4	17.7	61.1	163	0.0	1.0	0.017	🟩	🟩	🟩
160	152	164	0.0	1.0	0.033	54.0	−59.1	21.4	62.9	160	0.134	1.0	0.0	57.5	−53.8	28.6	61.0	152	0.0	1.0	0.033	0.0	1.0	0.088	53.8	−58.2	16.7	60.6	164	0.0	1.0	0.033	🟩	🟩	🟩
161	153	164	0.0	1.0	0.05	53.9	−58.9	19.9	62.2	161	0.117	1.0	0.0	57.0	−54.5	27.8	61.3	153	0.0	1.0	0.05	0.0	1.0	0.101	53.7	−57.9	15.6	60.1	164	0.0	1.0	0.05	🟩	🟩	🟩
162	154	165	0.0	1.0	0.066	53.8	−58.6	18.5	61.5	162	0.092	1.0	0.0	56.4	−55.6	27.2	62.0	154	0.0	1.0	0.067	0.0	1.0	0.113	53.7	−57.6	14.5	59.5	165	0.0	1.0	0.067	🟩	🟩	🟩
163	155	166	0.0	1.0	0.083	53.7	−58.3	17.0	60.8	163	0.067	1.0	0.0	55.8	−56.6	26.5	62.6	155	0.0	1.0	0.083	0.0	1.0	0.126	53.6	−57.3	13.5	59.0	166	0.0	1.0	0.083	🟩	🟩	🟩
164	156	167	0.0	1.0	0.1	53.7	−58.0	15.6	60.1	164	0.041	1.0	0.0	55.2	−57.7	25.7	63.3	156	0.0	1.0	0.1	0.0	1.0	0.14	53.6	−56.9	12.4	58.4	167	0.0	1.0	0.1	🟩	🟩	🟩
166	157	168	0.0	1.0	0.116	53.6	−57.6	14.2	59.3	166	0.016	1.0	0.0	54.6	−58.7	25.0	63.9	157	0.0	1.0	0.117	0.0	1.0	0.154	53.6	−56.5	11.4	57.7	168	0.0	1.0	0.117	🟩	🟩	🟩
167	158	169	0.0	1.0	0.133	53.6	−57.2	12.9	58.6	167	0.0	1.0	0.005	54.1	−59.4	24.0	64.2	158	0.0	1.0	0.133	0.0	1.0	0.168	53.7	−56.1	10.4	57.1	169	0.0	1.0	0.133	🟩	🟩	🟩
168	159	170	0.0	1.0	0.15	53.6	−56.7	11.6	57.9	168	0.0	1.0	0.018	54.1	−59.2	22.8	63.6	159	0.0	1.0	0.15	0.0	1.0	0.182	53.7	−55.6	9.4	56.5	170	0.0	1.0	0.15	🟩	🟩	🟩
169	160	171	0.0	1.0	0.166	53.6	−56.2	10.4	57.1	169	0.0	1.0	0.032	54.0	−59.1	21.5	63.0	160	0.0	1.0	0.167	0.0	1.0	0.196	53.7	−55.1	8.4	55.9	171	0.0	1.0	0.167	🟩	🟩	🟩
170	161	172	0.0	1.0	0.183	53.6	−55.6	9.2	56.4	170	0.0	1.0	0.046	53.9	−58.9	20.3	62.4	161	0.0	1.0	0.183	0.0	1.0	0.21	53.7	−54.6	7.4	55.2	172	0.0	1.0	0.183	🟩	🟩	🟩
171	162	173	0.0	1.0	0.2	53.7	−55.0	8.1	55.6	171	0.0	1.0	0.06	53.9	−58.7	19.1	61.8	162	0.0	1.0	0.2	0.0	1.0	0.224	53.7	−54.1	6.5	54.6	173	0.0	1.0	0.2	🟩	🟩	🟩
172	163	174	0.0	1.0	0.216	53.7	−54.4	7.0	54.9	172	0.0	1.0	0.074	53.8	−58.5	17.9	61.2	163	0.0	1.0	0.217	0.0	1.0	0.238	53.7	−53.6	5.6	54.0	174	0.0	1.0	0.217	🟩	🟩	🟩
173	164	175	0.0	1.0	0.233	53.7	−53.8	5.8	54.1	173	0.0	1.0	0.087	53.8	−58.2	16.7	60.6	164	0.0	1.0	0.233	0.0	1.0	0.253	53.8	−53.1	4.7	53.4	175	0.0	1.0	0.233	🟩	🟩	🟩
174	165	175	0.0	1.0	0.25	53.7	−53.2	4.8	53.4	174	0.0	1.0	0.101	53.7	−57.9	15.5	60.1	165	0.0	1.0	0.25	0.0	1.0	0.267	53.9	−52.7	3.8	53.0	175	0.0	1.0	0.25	🟩	🟩	🟩

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

RE670−73   1−1131130−L0   LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted   Output: Offset standard print; separation cmyn6*, D65, page 12/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*dd361M			LAB^*ddx361Mi (x=LabCh)						rgb^*ds361Mi			LAB^*dsx361Mi (x=LabCh)						rgb^*dd361Mi			rgb^*de361Mi			LAB^*dex361Mi (x=LabCh)						rgb^*dd361Mi			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
174	165	175	0.0	1.0	0.25	53.7	−53.2	4.8	53.4	174		0.0	1.0	0.101	53.7	−57.9	15.5	60.1	165		0.0	1.0	0.25	0.0	1.0	0.267	53.9	−52.7	3.8	53.0	175		0.0	1.0	0.25	🟩	🟩	🟩
175	166	176	0.0	1.0	0.266	53.8	−52.8	3.8	52.9	175		0.0	1.0	0.115	53.7	−57.6	14.4	59.5	166		0.0	1.0	0.267	0.0	1.0	0.282	53.9	−52.4	2.9	52.5	176		0.0	1.0	0.267	🟩	🟩	🟩
176	167	177	0.0	1.0	0.283	53.9	−52.4	2.8	52.5	176		0.0	1.0	0.129	53.6	−57.3	13.2	58.9	167		0.0	1.0	0.283	0.0	1.0	0.297	54.0	−52.0	2.1	52.1	177		0.0	1.0	0.283	🟩	🟩	🟩
177	168	178	0.0	1.0	0.3	54.0	−52.0	1.8	52.0	177		0.0	1.0	0.145	53.6	−56.8	12.1	58.2	168		0.0	1.0	0.3	0.0	1.0	0.311	54.1	−51.6	1.2	51.7	178		0.0	1.0	0.3	🟩	🟩	🟩
178	169	179	0.0	1.0	0.316	54.1	−51.5	0.9	51.5	178		0.0	1.0	0.16	53.7	−56.3	11.0	57.5	169		0.0	1.0	0.317	0.0	1.0	0.326	54.2	−51.2	0.4	51.3	179		0.0	1.0	0.317	🟩	🟩	🟩
180	170	180	0.0	1.0	0.333	54.2	−51.1	0.0	51.1	180		0.0	1.0	0.175	53.7	−55.8	9.9	56.8	170		0.0	1.0	0.333	0.0	1.0	0.34	54.2	−50.8	−0.3	50.9	180		0.0	1.0	0.333	🟩	🟩	🟩
181	171	181	0.0	1.0	0.35	54.3	−50.6	−0.9	50.6	181		0.0	1.0	0.191	53.7	−55.3	8.8	56.1	171		0.0	1.0	0.35	0.0	1.0	0.355	54.3	−50.4	−1.1	50.5	181		0.0	1.0	0.35	🟩	🟩	🟩
182	172	182	0.0	1.0	0.366	54.3	−50.1	−1.8	50.1	182		0.0	1.0	0.206	53.7	−54.8	7.7	55.4	172		0.0	1.0	0.367	0.0	1.0	0.37	54.4	−49.9	−1.9	50.1	182		0.0	1.0	0.367	🟩	🟩	🟩
183	173	183	0.0	1.0	0.383	54.5	−49.5	−2.9	49.6	183		0.0	1.0	0.222	53.7	−54.2	6.7	54.7	173		0.0	1.0	0.383	0.0	1.0	0.381	54.5	−49.6	−2.7	49.7	183		0.0	1.0	0.383	🟩	🟩	🟩
184	174	184	0.0	1.0	0.4	54.6	−48.9	−4.2	49.0	184		0.0	1.0	0.237	53.7	−53.6	5.6	54.0	174		0.0	1.0	0.4	0.0	1.0	0.391	54.6	−49.2	−3.5	49.4	184		0.0	1.0	0.4	🟩	🟩	🟩
186	175	185	0.0	1.0	0.416	54.7	−48.2	−5.5	48.5	186		0.0	1.0	0.253	53.8	−53.1	4.7	53.4	175		0.0	1.0	0.417	0.0	1.0	0.401	54.6	−48.8	−4.2	49.1	185		0.0	1.0	0.417	🟩	🟩	🟩
188	176	185	0.0	1.0	0.433	54.9	−47.4	−6.7	47.9	188		0.0	1.0	0.269	53.9	−52.7	3.7	52.9	176		0.0	1.0	0.433	0.0	1.0	0.411	54.7	−48.4	−5.0	48.7	185		0.0	1.0	0.433	🟩	🟩	🟩
189	177	186	0.0	1.0	0.45	55.0	−46.7	−7.9	47.4	189		0.0	1.0	0.285	53.9	−52.3	2.7	52.5	177		0.0	1.0	0.45	0.0	1.0	0.42	54.8	−48.0	−5.7	48.4	186		0.0	1.0	0.45	🟩	🟩	🟩
191	178	187	0.0	1.0	0.466	55.1	−45.9	−9.1	46.8	191		0.0	1.0	0.301	54.0	−51.9	1.8	52.0	178		0.0	1.0	0.467	0.0	1.0	0.43	54.9	−47.5	−6.4	48.1	187		0.0	1.0	0.467	🟩	🟩	🟩
192	179	188	0.0	1.0	0.483	55.3	−45.1	−10.2	46.2	192		0.0	1.0	0.317	54.1	−51.5	0.9	51.6	179		0.0	1.0	0.483	0.0	1.0	0.44	55.0	−47.1	−7.1	47.8	188		0.0	1.0	0.483	🟩	🟩	🟩
194	180	189	0.0	1.0	0.5	55.4	−44.3	−11.3	45.7	194		0.0	1.0	0.333	54.2	−51.0	0.0	51.1	180		0.0	1.0	0.5	0.0	1.0	0.45	55.0	−46.7	−7.8	47.4	189		0.0	1.0	0.5	🟩	🟩	🟩
195	181	190	0.0	1.0	0.516	55.5	−43.7	−12.4	45.4	195		0.0	1.0	0.349	54.3	−50.6	−0.8	50.7	181		0.0	1.0	0.517	0.0	1.0	0.459	55.1	−46.2	−8.5	47.1	190		0.0	1.0	0.517	🟩	🟩	🟩
197	182	191	0.0	1.0	0.533	55.5	−43.0	−13.6	45.1	197		0.0	1.0	0.365	54.4	−50.1	−1.7	50.2	182		0.0	1.0	0.533	0.0	1.0	0.469	55.2	−45.7	−9.2	46.8	191		0.0	1.0	0.533	🟩	🟩	🟩
199	183	192	0.0	1.0	0.55	55.6	−42.4	−14.7	44.9	199		0.0	1.0	0.379	54.5	−49.6	−2.5	49.8	183		0.0	1.0	0.55	0.0	1.0	0.479	55.3	−45.3	−9.8	46.4	192		0.0	1.0	0.55	🟩	🟩	🟩
200	184	193	0.0	1.0	0.566	55.7	−41.7	−15.8	44.6	200		0.0	1.0	0.39	54.6	−49.2	−3.3	49.4	184		0.0	1.0	0.567	0.0	1.0	0.489	55.4	−44.8	−10.5	46.1	193		0.0	1.0	0.567	🟩	🟩	🟩
202	185	194	0.0	1.0	0.583	55.7	−41.0	−16.9	44.4	202		0.0	1.0	0.4	54.6	−48.8	−4.2	49.1	185		0.0	1.0	0.583	0.0	1.0	0.498	55.4	−44.3	−11.1	45.8	194		0.0	1.0	0.583	🟩	🟩	🟩
204	186	195	0.0	1.0	0.6	55.8	−40.3	−17.9	44.1	204		0.0	1.0	0.411	54.7	−48.4	−5.0	48.7	186		0.0	1.0	0.6	0.0	1.0	0.508	55.5	−43.9	−11.8	45.6	195		0.0	1.0	0.6	🟩	🟩	🟩
205	187	195	0.0	1.0	0.616	55.9	−39.5	−19.0	43.8	205		0.0	1.0	0.422	54.8	−47.9	−5.8	48.4	187		0.0	1.0	0.617	0.0	1.0	0.517	55.5	−43.6	−12.4	45.5	195		0.0	1.0	0.617	🟩	🟩	🟩
207	188	196	0.0	1.0	0.633	55.9	−38.8	−20.1	43.7	207		0.0	1.0	0.432	54.9	−47.4	−6.6	48.0	188		0.0	1.0	0.633	0.0	1.0	0.527	55.6	−43.2	−13.1	45.3	196		0.0	1.0	0.633	🟩	🟩	🟩
209	189	197	0.0	1.0	0.65	55.9	−38.1	−21.2	43.6	209		0.0	1.0	0.443	55.0	−47.0	−7.4	47.6	189		0.0	1.0	0.65	0.0	1.0	0.536	55.6	−42.9	−13.7	45.2	197		0.0	1.0	0.65	🟩	🟩	🟩
210	190	198	0.0	1.0	0.666	55.9	−37.4	−22.4	43.6	210		0.0	1.0	0.454	55.1	−46.5	−8.1	47.3	190		0.0	1.0	0.667	0.0	1.0	0.545	55.6	−42.5	−14.4	45.0	198		0.0	1.0	0.667	🟩	🟩	🟩
212	191	199	0.0	1.0	0.683	55.9	−36.6	−23.5	43.5	212		0.0	1.0	0.464	55.2	−46.0	−8.9	46.9	191		0.0	1.0	0.683	0.0	1.0	0.555	55.7	−42.2	−15.0	44.9	199		0.0	1.0	0.683	🟩	🟩	🟩
214	192	200	0.0	1.0	0.7	55.9	−35.8	−24.6	43.5	214		0.0	1.0	0.475	55.2	−45.4	−9.6	46.6	192		0.0	1.0	0.7	0.0	1.0	0.564	55.7	−41.8	−15.6	44.7	200		0.0	1.0	0.7	🟩	🟩	🟩
216	193	201	0.0	1.0	0.716	56.0	−35.0	−25.7	43.4	216		0.0	1.0	0.486	55.3	−44.9	−10.3	46.2	193		0.0	1.0	0.717	0.0	1.0	0.573	55.8	−41.4	−16.2	44.6	201		0.0	1.0	0.717	🟩	🟩	🟩
218	194	202	0.0	1.0	0.733	56.0	−34.1	−26.7	43.4	218		0.0	1.0	0.497	55.4	−44.4	−11.0	45.8	194		0.0	1.0	0.733	0.0	1.0	0.583	55.8	−41.0	−16.8	44.4	202		0.0	1.0	0.733	🟩	🟩	🟩
219	195	203	0.0	1.0	0.75	56.0	−33.2	−27.7	43.3	219		0.0	1.0	0.507	55.5	−44.0	−11.7	45.6	195		0.0	1.0	0.75	0.0	1.0	0.592	55.8	−40.6	−17.4	44.3	203		0.0	1.0	0.75	🟩	🟩	🟩
221	196	204	0.0	1.0	0.766	55.8	−32.9	−28.8	43.8	221		0.0	1.0	0.517	55.5	−43.6	−12.4	45.5	196		0.0	1.0	0.767	0.0	1.0	0.602	55.9	−40.2	−18.0	44.1	204		0.0	1.0	0.767	🟩	🟩	🟩
222	197	205	0.0	1.0	0.783	55.5	−32.6	−29.9	44.3	222		0.0	1.0	0.528	55.6	−43.2	−13.1	45.3	197		0.0	1.0	0.783	0.0	1.0	0.611	55.9	−39.7	−18.6	44.0	205		0.0	1.0	0.783	🟩	🟩	🟩
223	198	206	0.0	1.0	0.8	55.3	−32.2	−31.0	44.7	223		0.0	1.0	0.538	55.6	−42.8	−13.8	45.1	198		0.0	1.0	0.8	0.0	1.0	0.62	55.9	−39.3	−19.1	43.8	206		0.0	1.0	0.8	🟩	🟩	🟩
225	199	206	0.0	1.0	0.816	55.1	−31.8	−32.1	45.2	225		0.0	1.0	0.548	55.6	−42.4	−14.5	45.0	199		0.0	1.0	0.817	0.0	1.0	0.629	56.0	−38.9	−19.7	43.8	206		0.0	1.0	0.817	🟩	🟩	🟩
226	200	207	0.0	1.0	0.833	54.9	−31.4	−33.2	45.7	226		0.0	1.0	0.558	55.7	−42.0	−15.2	44.8	200		0.0	1.0	0.833	0.0	1.0	0.638	56.0	−38.6	−20.3	43.7	207		0.0	1.0	0.833	🟩	🟩	🟩
228	201	208	0.0	1.0	0.85	54.7	−30.9	−34.3	46.2	228		0.0	1.0	0.569	55.7	−41.6	−15.9	44.6	201		0.0	1.0	0.85	0.0	1.0	0.646	56.0	−38.2	−20.9	43.7	208		0.0	1.0	0.85	🟩	🟩	🟩
229	202	209	0.0	1.0	0.866	54.5	−30.4	−35.4	46.7	229		0.0	1.0	0.579	55.8	−41.1	−16.6	44.5	202		0.0	1.0	0.867	0.0	1.0	0.655	56.0	−37.8	−21.5	43.7	209		0.0	1.0	0.867	🟩	🟩	🟩
231	203	210	0.0	1.0	0.883	54.2	−29.7	−36.7	47.3	231		0.0	1.0	0.589	55.8	−40.7	−17.2	44.3	203		0.0	1.0	0.883	0.0	1.0	0.663	56.0	−37.5	−22.1	43.6	210		0.0	1.0	0.883	🟩	🟩	🟩
232	204	211	0.0	1.0	0.9	53.9	−28.9	−38.3	48.0	232		0.0	1.0	0.599	55.9	−40.2	−17.9	44.2	204		0.0	1.0	0.9	0.0	1.0	0.672	56.0	−37.1	−22.7	43.6	211		0.0	1.0	0.9	🟩	🟩	🟩
234	205	212	0.0	1.0	0.916	53.6	−28.1	−39.8	48.7	234		0.0	1.0	0.61	55.9	−39.8	−18.5	44.0	205		0.0	1.0	0.917	0.0	1.0	0.681	56.0	−36.7	−23.3	43.6	212		0.0	1.0	0.917	🟩	🟩	🟩
236	206	213	0.0	1.0	0.933	53.3	−27.2	−41.2	49.4	236		0.0	1.0	0.62	55.9	−39.3	−19.1	43.8	206		0.0	1.0	0.933	0.0	1.0	0.689	56.0	−36.3	−23.8	43.6	213		0.0	1.0	0.933	🟩	🟩	🟩
238	207	214	0.0	1.0	0.95	53.0	−26.2	−42.7	50.1	238		0.0	1.0	0.63	56.0	−38.9	−19.8	43.8	207		0.0	1.0	0.95	0.0	1.0	0.698	56.0	−35.9	−24.4	43.5	214		0.0	1.0	0.95	🟩	🟩	🟩
240	208	215	0.0	1.0	0.966	52.7	−25.1	−44.2	50.8	240		0.0	1.0	0.639	56.0	−38.5	−20.4	43.7	208		0.0	1.0	0.967	0.0	1.0	0.706	56.0	−35.5	−24.9	43.5	215		0.0	1.0	0.967	🟩	🟩	🟩
242	209	216	0.0	1.0	0.983	52.4	−24.0	−45.6	51.5	242		0.0	1.0	0.649	56.0	−38.1	−21.1	43.7	209		0.0	1.0	0.983	0.0	1.0	0.715	56.0	−35.0	−25.5	43.5	216		0.0	1.0	0.983	🟩	🟩	🟩
244	210	216	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244	C_d	0.0	1.0	0.658	56.0	−37.7	−21.7	43.7	210	C_s	0.0	1.0	1.0	0.0	1.0	0.723	56.0	−34.6	−26.0	43.4	216	C_e	0.0	1.0	1.0	🟩	🟩	🟩

RE670−73 1−1131230−L0 LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted Output: Offset standard print; separation cmyn6*, D65, page 13/33

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	*rgb**dd361M			*LAB**ddx361Mi (x=LabCh)						*rgb**ds361Mi			*LAB**dsx361Mi (x=LabCh)						*rgb**dd361Mi			*rgb**de361Mi			*LAB**dex361Mi (x=LabCh)						*rgb**dd361Mi			*rgb**dd	*rgb**ds	*rgb**de
244	210	216	0.0	1.0	1.0	52.1	−22.8	−47.0	52.2	244	C_d	0.0	1.0	0.658	56.0	−37.7	−21.7	43.7	210	C_s	0.0	1.0	1.0	0.0	1.0	0.723	56.0	−34.6	−26.0	43.4	216	C_e	0.0	1.0	1.0	■	■	■
244	211	217	0.0	0.983	1.0	52.0	−22.4	−47.5	52.5	244		0.0	1.0	0.667	56.0	−37.3	−22.4	43.6	211		0.0	0.983	1.0	0.0	1.0	0.732	56.0	−34.2	−26.6	43.4	217		0.0	0.983	1.0	■	■	■
245	212	218	0.0	0.966	1.0	51.9	−22.1	−48.0	52.8	245		0.0	1.0	0.677	56.0	−36.9	−23.0	43.6	212		0.0	0.967	1.0	0.0	1.0	0.74	56.0	−33.7	−27.1	43.4	218		0.0	0.967	1.0	■	■	■
245	213	219	0.0	0.95	1.0	51.8	−21.7	−48.4	53.1	245		0.0	1.0	0.686	56.0	−36.4	−23.6	43.6	213		0.0	0.95	1.0	0.0	1.0	0.749	56.0	−33.2	−27.6	43.4	219		0.0	0.95	1.0	■	■	■
246	214	220	0.0	0.933	1.0	51.7	−21.4	−48.9	53.4	246		0.0	1.0	0.695	56.0	−36.0	−24.2	43.5	214		0.0	0.933	1.0	0.0	1.0	0.76	55.9	−33.0	−28.3	43.6	220		0.0	0.933	1.0	■	■	■
246	215	221	0.0	0.916	1.0	51.6	−21.0	−49.4	53.7	246		0.0	1.0	0.705	56.0	−35.5	−24.9	43.5	215		0.0	0.917	1.0	0.0	1.0	0.771	55.7	−32.8	−29.1	44.0	221		0.0	0.917	1.0	■	■	■
247	216	222	0.0	0.9	1.0	51.5	−20.6	−49.9	54.0	247		0.0	1.0	0.714	56.0	−35.1	−25.5	43.5	216		0.0	0.9	1.0	0.0	1.0	0.782	55.6	−32.6	−29.8	44.3	222		0.0	0.9	1.0	■	■	■
248	217	223	0.0	0.883	1.0	51.4	−20.2	−50.4	54.3	248		0.0	1.0	0.724	56.0	−34.6	−26.0	43.4	217		0.0	0.883	1.0	0.0	1.0	0.793	55.5	−32.3	−30.5	44.6	223		0.0	0.883	1.0	■	■	■
248	218	224	0.0	0.866	1.0	51.4	−19.8	−50.9	54.6	248		0.0	1.0	0.733	56.0	−34.1	−26.6	43.4	218		0.0	0.867	1.0	0.0	1.0	0.804	55.3	−32.1	−31.3	44.9	224		0.0	0.867	1.0	■	■	■
249	219	225	0.0	0.85	1.0	51.4	−19.3	−51.4	54.9	249		0.0	1.0	0.742	56.0	−33.6	−27.2	43.4	219		0.0	0.85	1.0	0.0	1.0	0.815	55.2	−31.8	−32.0	45.2	225		0.0	0.85	1.0	■	■	■
249	220	226	0.0	0.833	1.0	51.4	−18.9	−51.9	55.3	249		0.0	1.0	0.752	56.0	−33.2	−27.8	43.4	220		0.0	0.833	1.0	0.0	1.0	0.827	55.0	−31.5	−32.7	45.6	226		0.0	0.833	1.0	■	■	■
250	221	227	0.0	0.816	1.0	51.4	−18.4	−52.4	55.6	250		0.0	1.0	0.764	55.8	−32.9	−28.6	43.8	221		0.0	0.817	1.0	0.0	1.0	0.838	54.9	−31.2	−33.5	45.9	227		0.0	0.817	1.0	■	■	■
251	222	227	0.0	0.8	1.0	51.4	−17.9	−53.0	55.9	251		0.0	1.0	0.777	55.7	−32.7	−29.4	44.1	222		0.0	0.8	1.0	0.0	1.0	0.849	54.7	−30.9	−34.2	46.2	227		0.0	0.8	1.0	■	■	■
251	223	228	0.0	0.783	1.0	51.5	−17.4	−53.5	56.3	251		0.0	1.0	0.789	55.5	−32.4	−30.2	44.5	223		0.0	0.783	1.0	0.0	1.0	0.86	54.6	−30.5	−34.9	46.5	228		0.0	0.783	1.0	■	■	■
252	224	229	0.0	0.766	1.0	51.5	−16.9	−54.0	56.6	252		0.0	1.0	0.801	55.4	−32.1	−31.0	44.8	224		0.0	0.767	1.0	0.0	1.0	0.871	54.5	−30.2	−35.7	46.9	229		0.0	0.767	1.0	■	■	■
253	225	230	0.0	0.75	1.0	51.5	−16.4	−54.5	56.9	253		0.0	1.0	0.813	55.2	−31.8	−31.8	45.2	225		0.0	0.75	1.0	0.0	1.0	0.88	54.3	−29.8	−36.4	47.2	230		0.0	0.75	1.0	■	■	■
254	226	231	0.0	0.733	1.0	51.2	−15.6	−54.7	56.9	254		0.0	1.0	0.825	55.0	−31.5	−32.6	45.5	226		0.0	0.733	1.0	0.0	1.0	0.888	54.2	−29.4	−37.1	47.5	231		0.0	0.733	1.0	■	■	■
254	227	232	0.0	0.716	1.0	50.9	−14.8	−54.9	56.9	254		0.0	1.0	0.837	54.9	−31.2	−33.5	45.9	227		0.0	0.717	1.0	0.0	1.0	0.897	54.0	−29.1	−37.9	47.9	232		0.0	0.717	1.0	■	■	■
255	228	233	0.0	0.7	1.0	50.6	−14.1	−55.1	56.8	255		0.0	1.0	0.85	54.7	−30.8	−34.3	46.2	228		0.0	0.7	1.0	0.0	1.0	0.905	53.9	−28.6	−38.6	48.2	233		0.0	0.7	1.0	■	■	■
256	229	234	0.0	0.683	1.0	50.3	−13.3	−55.2	56.8	256		0.0	1.0	0.862	54.6	−30.5	−35.1	46.6	229		0.0	0.683	1.0	0.0	1.0	0.913	53.7	−28.2	−39.4	48.6	234		0.0	0.683	1.0	■	■	■
257	230	235	0.0	0.666	1.0	50.0	−12.5	−55.4	56.8	257		0.0	1.0	0.874	54.4	−30.1	−35.9	46.9	230		0.0	0.667	1.0	0.0	1.0	0.921	53.6	−27.8	−40.1	48.9	235		0.0	0.667	1.0	■	■	■
258	231	236	0.0	0.65	1.0	49.8	−11.7	−55.5	56.7	258		0.0	1.0	0.883	54.3	−29.7	−36.7	47.3	231		0.0	0.65	1.0	0.0	1.0	0.929	53.4	−27.3	−40.8	49.3	236		0.0	0.65	1.0	■	■	■
258	232	237	0.0	0.633	1.0	49.5	−10.9	−55.6	56.7	258		0.0	1.0	0.892	54.1	−29.3	−37.5	47.7	232		0.0	0.633	1.0	0.0	1.0	0.937	53.3	−26.9	−41.5	49.6	237		0.0	0.633	1.0	■	■	■
259	233	237	0.0	0.616	1.0	49.1	−10.2	−55.6	56.6	259		0.0	1.0	0.901	53.9	−28.8	−38.3	48.1	233		0.0	0.617	1.0	0.0	1.0	0.945	53.1	−26.4	−42.3	50.0	237		0.0	0.617	1.0	■	■	■
260	234	238	0.0	0.6	1.0	48.5	−9.4	−55.5	56.3	260		0.0	1.0	0.91	53.8	−28.4	−39.1	48.5	234		0.0	0.6	1.0	0.0	1.0	0.953	53.0	−25.9	−43.0	50.3	238		0.0	0.6	1.0	■	■	■
261	235	239	0.0	0.583	1.0	48.0	−8.7	−55.4	56.1	261		0.0	1.0	0.919	53.6	−27.9	−39.9	48.8	235		0.0	0.583	1.0	0.0	1.0	0.962	52.8	−25.4	−43.7	50.6	239		0.0	0.583	1.0	■	■	■
261	236	240	0.0	0.566	1.0	47.5	−7.9	−55.3	55.8	261		0.0	1.0	0.928	53.4	−27.4	−40.7	49.2	236		0.0	0.567	1.0	0.0	1.0	0.97	52.7	−24.8	−44.4	51.0	240		0.0	0.567	1.0	■	■	■
262	237	241	0.0	0.55	1.0	46.9	−7.2	−55.1	55.6	262		0.0	1.0	0.937	53.3	−26.9	−41.5	49.6	237		0.0	0.55	1.0	0.0	1.0	0.978	52.5	−24.3	−45.1	51.3	241		0.0	0.55	1.0	■	■	■
263	238	242	0.0	0.533	1.0	46.4	−6.5	−55.0	55.4	263		0.0	1.0	0.946	53.1	−26.4	−42.3	50.0	238		0.0	0.533	1.0	0.0	1.0	0.986	52.4	−23.7	−45.8	51.7	242		0.0	0.533	1.0	■	■	■
263	239	243	0.0	0.516	1.0	45.9	−5.7	−54.8	55.1	263		0.0	1.0	0.954	53.0	−25.8	−43.1	50.3	239		0.0	0.517	1.0	0.0	1.0	0.994	52.2	−23.2	−46.4	52.0	243		0.0	0.517	1.0	■	■	■
264	240	244	0.0	0.5	1.0	45.3	−5.0	−54.6	54.9	264		0.0	1.0	0.963	52.8	−25.3	−43.8	50.7	240		0.0	0.5	1.0	0.0	0.993	1.0	52.1	−22.6	−47.2	52.4	244		0.0	0.5	1.0	■	■	■
265	241	245	0.0	0.483	1.0	44.7	−4.2	−54.5	54.7	265		0.0	1.0	0.972	52.6	−24.7	−44.6	51.1	241		0.0	0.483	1.0	0.0	0.966	1.0	51.9	−22.0	−47.9	52.9	245		0.0	0.483	1.0	■	■	■
266	242	246	0.0	0.466	1.0	44.0	−3.3	−54.4	54.5	266		0.0	1.0	0.981	52.5	−24.1	−45.4	51.5	242		0.0	0.467	1.0	0.0	0.939	1.0	51.8	−21.4	−48.7	53.4	246		0.0	0.467	1.0	■	■	■
267	243	247	0.0	0.45	1.0	43.3	−2.5	−54.3	54.3	267		0.0	1.0	0.99	52.3	−23.4	−46.1	51.9	243		0.0	0.45	1.0	0.0	0.913	1.0	51.6	−20.8	−49.5	53.8	247		0.0	0.45	1.0	■	■	■
268	244	248	0.0	0.433	1.0	42.6	−1.6	−54.1	54.2	268		0.0	1.0	0.999	52.1	−22.8	−46.9	52.2	244		0.0	0.433	1.0	0.0	0.886	1.0	51.5	−20.2	−50.2	54.3	248		0.0	0.433	1.0	■	■	■
269	245	248	0.0	0.416	1.0	41.9	−0.8	−54.0	54.0	269		0.0	0.974	1.0	52.0	−22.2	−47.7	52.7	245		0.0	0.417	1.0	0.0	0.861	1.0	51.4	−19.6	−51.0	54.8	248		0.0	0.417	1.0	■	■	■
269	246	249	0.0	0.4	1.0	41.2	0.0	−53.8	53.8	269		0.0	0.945	1.0	51.8	−21.6	−48.6	53.3	246		0.0	0.4	1.0	0.0	0.838	1.0	51.5	−18.9	−51.7	55.2	249		0.0	0.4	1.0	■	■	■
270	247	250	0.0	0.383	1.0	40.5	0.8	−53.6	53.6	270		0.0	0.915	1.0	51.6	−20.9	−49.4	53.8	247		0.0	0.383	1.0	0.0	0.814	1.0	51.5	−18.3	−52.5	55.7	250		0.0	0.383	1.0	■	■	■
271	248	251	0.0	0.366	1.0	39.9	1.7	−53.4	53.5	271		0.0	0.886	1.0	51.5	−20.2	−50.2	54.3	248		0.0	0.367	1.0	0.0	0.791	1.0	51.5	−17.6	−53.2	56.2	251		0.0	0.367	1.0	■	■	■
272	249	252	0.0	0.35	1.0	39.3	2.6	−53.2	53.3	272		0.0	0.859	1.0	51.4	−19.5	−51.1	54.8	249		0.0	0.35	1.0	0.0	0.767	1.0	51.5	−16.9	−53.9	56.6	252		0.0	0.35	1.0	■	■	■
273	250	253	0.0	0.333	1.0	38.7	3.5	−53.0	53.1	273		0.0	0.833	1.0	51.5	−18.8	−51.9	55.3	250		0.0	0.333	1.0	0.0	0.745	1.0	51.5	−16.1	−54.5	57.0	253		0.0	0.333	1.0	■	■	■
274	251	254	0.0	0.316	1.0	38.1	4.5	−52.7	52.9	274		0.0	0.808	1.0	51.5	−18.1	−52.7	55.8	251		0.0	0.317	1.0	0.0	0.726	1.0	51.1	−15.2	−54.7	56.9	254		0.0	0.317	1.0	■	■	■
275	252	255	0.0	0.3	1.0	37.6	5.4	−52.4	52.7	275		0.0	0.782	1.0	51.5	−17.3	−53.5	56.3	252		0.0	0.3	1.0	0.0	0.707	1.0	50.8	−14.3	−54.9	56.9	255		0.0	0.3	1.0	■	■	■
276	253	256	0.0	0.283	1.0	37.0	6.3	−52.1	52.5	276		0.0	0.756	1.0	51.5	−16.5	−54.3	56.8	253		0.0	0.283	1.0	0.0	0.688	1.0	50.5	−13.4	−55.1	56.9	256		0.0	0.283	1.0	■	■	■
277	254	257	0.0	0.266	1.0	36.4	7.2	−51.8	52.3	277		0.0	0.734	1.0	51.3	−15.6	−54.6	56.9	254		0.0	0.267	1.0	0.0	0.669	1.0	50.1	−12.6	−55.3	56.8	257		0.0	0.267	1.0	■	■	■
278	255	258	0.0	0.25	1.0	35.8	8.1	−51.5	52.1	278		0.0	0.713	1.0	50.9	−14.6	−54.9	56.9	255		0.0	0.25	1.0	0.0	0.65	1.0	49.8	−11.7	−55.5	56.8	258		0.0	0.25	1.0	■	■	■

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

RE670−73 1−1131330−L0

LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

1−1131330−F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 15/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*dd361M			LAB^*ddx361Mi (x=LabCh)					rgb^*ds361Mi			LAB^*dsx361Mi (x=LabCh)					rgb^*dd361Mi			rgb^*de361Mi			LAB^*dex361Mi (x=LabCh)					rgb^*dd361Mi			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
278	255	258	0.0	0.25	1.0	35.8	8.1	−51.5	52.1	278	0.0	0.713	1.0	50.9	−14.6	−54.9	56.9	255	0.0	0.25	1.0	0.0	0.65	1.0	49.8	−11.7	−55.5	56.8	258	0.0	0.25	1.0	🟦	🟦	🟦
280	256	258	0.0	0.233	1.0	35.6	9.4	−51.1	52.0	280	0.0	0.693	1.0	50.5	−13.7	−55.1	56.9	256	0.0	0.233	1.0	0.0	0.631	1.0	49.5	−10.8	−55.6	56.8	258	0.0	0.233	1.0	🟦	🟦	🟦
281	257	259	0.0	0.216	1.0	35.5	10.6	−50.7	51.9	281	0.0	0.672	1.0	50.2	−12.7	−55.3	56.8	257	0.0	0.217	1.0	0.0	0.611	1.0	48.9	−9.8	−55.6	56.5	259	0.0	0.217	1.0	🟦	🟦	🟦
283	258	260	0.0	0.2	1.0	35.3	11.9	−50.3	51.7	283	0.0	0.651	1.0	49.8	−11.7	−55.4	56.8	258	0.0	0.2	1.0	0.0	0.59	1.0	48.2	−8.9	−55.4	56.2	260	0.0	0.2	1.0	🟦	🟦	🟦
284	259	261	0.0	0.183	1.0	35.1	13.1	−49.9	51.6	284	0.0	0.63	1.0	49.5	−10.7	−55.6	56.8	259	0.0	0.183	1.0	0.0	0.569	1.0	47.6	−8.0	−55.2	55.9	261	0.0	0.183	1.0	🟦	🟦	🟦
286	260	262	0.0	0.166	1.0	35.0	14.3	−49.4	51.5	286	0.0	0.608	1.0	48.8	−9.7	−55.5	56.5	260	0.0	0.167	1.0	0.0	0.548	1.0	46.9	−7.1	−55.1	55.6	262	0.0	0.167	1.0	🟦	🟦	🟦
287	261	263	0.0	0.15	1.0	34.8	15.5	−48.9	51.3	287	0.0	0.585	1.0	48.1	−8.7	−55.4	56.2	261	0.0	0.15	1.0	0.0	0.527	1.0	46.3	−6.1	−54.9	55.3	263	0.0	0.15	1.0	🟦	🟦	🟦
289	262	264	0.0	0.133	1.0	34.6	16.7	−48.4	51.2	289	0.0	0.562	1.0	47.4	−7.7	−55.2	55.8	262	0.0	0.133	1.0	0.0	0.506	1.0	45.6	−5.2	−54.6	55.0	264	0.0	0.133	1.0	🟦	🟦	🟦
290	263	265	0.0	0.116	1.0	34.4	17.9	−47.9	51.1	290	0.0	0.539	1.0	46.6	−6.7	−55.0	55.5	263	0.0	0.117	1.0	0.0	0.488	1.0	44.9	−4.3	−54.5	54.8	265	0.0	0.117	1.0	🟦	🟦	🟦
291	264	266	0.0	0.1	1.0	34.1	19.0	−47.5	51.2	291	0.0	0.516	1.0	45.9	−5.7	−54.8	55.2	264	0.0	0.1	1.0	0.0	0.471	1.0	44.2	−3.5	−54.4	54.6	266	0.0	0.1	1.0	🟦	🟦	🟦
293	265	267	0.0	0.083	1.0	33.8	20.1	−47.1	51.2	293	0.0	0.495	1.0	45.2	−4.7	−54.5	54.9	265	0.0	0.083	1.0	0.0	0.453	1.0	43.5	−2.6	−54.3	54.4	267	0.0	0.083	1.0	🟦	🟦	🟦
294	266	268	0.0	0.066	1.0	33.5	21.2	−46.6	51.2	294	0.0	0.476	1.0	44.4	−3.7	−54.4	54.7	266	0.0	0.067	1.0	0.0	0.436	1.0	42.8	−1.7	−54.1	54.2	268	0.0	0.067	1.0	🟦	🟦	🟦
295	267	269	0.0	0.049	1.0	33.2	22.4	−46.1	51.3	295	0.0	0.457	1.0	43.6	−2.8	−54.3	54.5	267	0.0	0.05	1.0	0.0	0.419	1.0	42.1	−0.8	−54.0	54.1	269	0.0	0.05	1.0	🟦	🟦	🟦
297	268	269	0.0	0.033	1.0	32.9	23.5	−45.6	51.3	297	0.0	0.438	1.0	42.8	−1.8	−54.1	54.3	268	0.0	0.033	1.0	0.0	0.402	1.0	41.3	0.0	−53.8	53.9	269	0.0	0.033	1.0	🟦	🟦	🟦
298	269	270	0.0	0.016	1.0	32.6	24.5	−45.1	51.3	298	0.0	0.419	1.0	42.1	−0.8	−54.0	54.1	269	0.0	0.017	1.0	0.0	0.384	1.0	40.6	0.8	−53.6	53.7	270	0.0	0.017	1.0	🟦	🟦	🟦
299	270	271	0.0	0.0	1.0	32.3	25.6	−44.5	51.4	299 B_d	0.0	0.4	1.0	41.3	0.0	−53.8	53.9	270 B_s	0.0	0.0	1.0	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271 B_e	0.0	0.0	1.0	🟦	🟦	🟦
300	271	272	0.016	0.0	1.0	32.2	26.5	−44.3	51.6	300	0.0	0.381	1.0	40.5	0.9	−53.6	53.7	271	0.017	0.0	1.0	0.0	0.353	1.0	39.5	2.5	−53.2	53.3	272	0.017	0.0	1.0	🟦	🟦	🟦
301	272	273	0.033	0.0	1.0	32.1	27.3	−44.0	51.8	301	0.0	0.364	1.0	39.9	1.9	−53.3	53.5	272	0.033	0.0	1.0	0.0	0.337	1.0	38.9	3.4	−53.0	53.2	273	0.033	0.0	1.0	🟦	🟦	🟦
302	273	274	0.05	0.0	1.0	31.9	28.2	−43.7	52.0	302	0.0	0.348	1.0	39.3	2.8	−53.1	53.3	273	0.05	0.0	1.0	0.0	0.322	1.0	38.4	4.2	−52.7	53.0	274	0.05	0.0	1.0	🟦	🟦	🟦
303	274	275	0.066	0.0	1.0	31.8	29.0	−43.4	52.2	303	0.0	0.331	1.0	38.7	3.7	−52.9	53.1	274	0.067	0.0	1.0	0.0	0.306	1.0	37.8	5.1	−52.5	52.8	275	0.067	0.0	1.0	🟦	🟦	🟦
304	275	276	0.083	0.0	1.0	31.7	29.9	−43.1	52.4	304	0.0	0.315	1.0	38.1	4.6	−52.6	52.9	275	0.083	0.0	1.0	0.0	0.291	1.0	37.3	5.9	−52.2	52.6	276	0.083	0.0	1.0	🟦	🟦	🟦
305	276	277	0.1	0.0	1.0	31.6	30.7	−42.7	52.6	305	0.0	0.299	1.0	37.6	5.5	−52.3	52.7	276	0.1	0.0	1.0	0.0	0.276	1.0	36.7	6.8	−51.9	52.5	277	0.1	0.0	1.0	🟦	🟦	🟦
306	277	278	0.116	0.0	1.0	31.4	31.5	−42.4	52.8	306	0.0	0.282	1.0	37.0	6.4	−52.1	52.5	277	0.117	0.0	1.0	0.0	0.26	1.0	36.2	7.6	−51.6	52.3	278	0.117	0.0	1.0	🟦	🟦	🟦
307	278	279	0.133	0.0	1.0	31.3	32.5	−42.0	53.1	307	0.0	0.266	1.0	36.4	7.3	−51.8	52.4	278	0.133	0.0	1.0	0.0	0.246	1.0	35.8	8.4	−51.4	52.1	279	0.133	0.0	1.0	🟦	🟦	🟦
308	279	280	0.15	0.0	1.0	31.3	33.5	−41.5	53.4	308	0.0	0.25	1.0	35.8	8.2	−51.4	52.2	279	0.15	0.0	1.0	0.0	0.235	1.0	35.7	9.3	−51.1	52.1	280	0.15	0.0	1.0	🟦	🟦	🟦
310	280	281	0.166	0.0	1.0	31.2	34.6	−41.1	53.7	310	0.0	0.238	1.0	35.7	9.0	−51.2	52.1	280	0.167	0.0	1.0	0.0	0.224	1.0	35.6	10.1	−50.9	52.0	281	0.167	0.0	1.0	🟦	🟦	🟦
311	281	282	0.183	0.0	1.0	31.1	35.6	−40.6	54.0	311	0.0	0.227	1.0	35.6	9.9	−50.9	52.0	281	0.183	0.0	1.0	0.0	0.213	1.0	35.5	10.9	−50.6	51.9	282	0.183	0.0	1.0	🟦	🟦	🟦
312	282	283	0.2	0.0	1.0	31.1	36.6	−40.0	54.3	312	0.0	0.215	1.0	35.5	10.8	−50.7	51.9	282	0.2	0.0	1.0	0.0	0.202	1.0	35.4	11.7	−50.3	51.8	283	0.2	0.0	1.0	🟦	🟦	🟦
313	283	284	0.216	0.0	1.0	31.0	37.6	−39.5	54.6	313	0.0	0.204	1.0	35.4	11.7	−50.4	51.8	283	0.217	0.0	1.0	0.0	0.191	1.0	35.3	12.6	−50.1	51.7	284	0.217	0.0	1.0	🟦	🟦	🟦
314	284	285	0.233	0.0	1.0	30.9	38.6	−38.9	54.9	314	0.0	0.192	1.0	35.3	12.5	−50.1	51.7	284	0.233	0.0	1.0	0.0	0.181	1.0	35.1	13.4	−49.8	51.6	285	0.233	0.0	1.0	🟦	🟦	🟦
315	285	285	0.25	0.0	1.0	30.9	39.6	−38.3	55.1	315	0.0	0.181	1.0	35.1	13.4	−49.8	51.6	285	0.25	0.0	1.0	0.0	0.17	1.0	35.0	14.2	−49.4	51.5	285	0.25	0.0	1.0	🟦	🟦	🟦
316	286	286	0.266	0.0	1.0	31.2	40.4	−37.9	55.4	316	0.0	0.169	1.0	35.0	14.2	−49.4	51.5	286	0.267	0.0	1.0	0.0	0.159	1.0	34.9	15.0	−49.1	51.4	286	0.267	0.0	1.0	🟦	🟦	🟦
317	287	287	0.283	0.0	1.0	31.4	41.2	−37.5	55.7	317	0.0	0.157	1.0	34.9	15.0	−49.1	51.4	287	0.283	0.0	1.0	0.0	0.148	1.0	34.8	15.7	−48.8	51.3	287	0.283	0.0	1.0	🟦	🟦	🟦
318	288	288	0.3	0.0	1.0	31.7	41.9	−37.1	56.0	318	0.0	0.146	1.0	34.8	15.9	−48.7	51.3	288	0.3	0.0	1.0	0.0	0.137	1.0	34.7	16.5	−48.4	51.3	288	0.3	0.0	1.0	🟦	🟦	🟦
319	289	289	0.316	0.0	1.0	32.0	42.7	−36.7	56.3	319	0.0	0.134	1.0	34.7	16.7	−48.4	51.2	289	0.317	0.0	1.0	0.0	0.126	1.0	34.6	17.3	−48.1	51.2	289	0.317	0.0	1.0	🟦	🟦	🟦
320	290	290	0.333	0.0	1.0	32.3	43.4	−36.3	56.6	320	0.0	0.123	1.0	34.5	17.5	−48.0	51.2	290	0.333	0.0	1.0	0.0	0.114	1.0	34.4	18.1	−47.8	51.2	290	0.333	0.0	1.0	🟦	🟦	🟦
320	291	291	0.35	0.0	1.0	32.6	44.2	−35.9	56.9	320	0.0	0.11	1.0	34.3	18.3	−47.7	51.2	291	0.35	0.0	1.0	0.0	0.102	1.0	34.2	18.9	−47.5	51.2	291	0.35	0.0	1.0	🟦	🟦	🟦
321	292	292	0.366	0.0	1.0	32.9	44.9	−35.4	57.2	321	0.0	0.098	1.0	34.1	19.2	−47.4	51.2	292	0.367	0.0	1.0	0.0	0.091	1.0	34.0	19.7	−47.2	51.2	292	0.367	0.0	1.0	🟦	🟦	🟦
322	293	293	0.383	0.0	1.0	33.2	45.6	−35.0	57.5	322	0.0	0.086	1.0	33.9	20.0	−47.1	51.2	293	0.383	0.0	1.0	0.0	0.079	1.0	33.8	20.5	−46.9	51.3	293	0.383	0.0	1.0	🟦	🟦	🟦
323	294	294	0.4	0.0	1.0	33.5	46.2	−34.7	57.8	323	0.0	0.073	1.0	33.7	20.9	−46.7	51.3	294	0.4	0.0	1.0	0.0	0.067	1.0	33.6	21.3	−46.6	51.3	294	0.4	0.0	1.0	🟦	🟦	🟦
323	295	295	0.416	0.0	1.0	33.8	46.9	−34.4	58.2	323	0.0	0.061	1.0	33.4	21.7	−46.4	51.3	295	0.417	0.0	1.0	0.0	0.056	1.0	33.4	22.0	−46.2	51.3	295	0.417	0.0	1.0	🟦	🟦	🟦
324	296	296	0.433	0.0	1.0	34.1	47.5	−34.1	58.5	324	0.0	0.049	1.0	33.2	22.5	−46.0	51.3	296	0.433	0.0	1.0	0.0	0.044	1.0	33.1	22.8	−45.9	51.3	296	0.433	0.0	1.0	🟦	🟦	🟦
324	297	297	0.45	0.0	1.0	34.4	48.2	−33.7	58.8	324	0.0	0.036	1.0	33.0	23.3	−45.7	51.3	297	0.45	0.0	1.0	0.0	0.032	1.0	32.9	23.6	−45.5	51.4	297	0.45	0.0	1.0	🟦	🟦	🟦
325	298	298	0.466	0.0	1.0	34.8	48.8	−33.4	59.1	325	0.0	0.024	1.0	32.8	24.1	−45.3	51.4	298	0.467	0.0	1.0	0.0	0.021	1.0	32.7	24.3	−45.1	51.4	298	0.467	0.0	1.0	🟦	🟦	🟦
326	299	299	0.483	0.0	1.0	35.1	49.4	−33.0	59.5	326	0.0	0.012	1.0	32.6	24.9	−44.9	51.4	299	0.483	0.0	1.0	0.0	0.009	1.0	32.5	25.1	−44.8	51.4	299	0.483	0.0	1.0	🟦	🟦	🟦
326	300	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326	0.001	0.0	1.0	32.4	25.7	−44.4	51.4	300	0.5	0.0	1.0	0.004	0.0	1.0	32.3	25.9	−44.4	51.5	300	0.5	0.0	1.0	🟦	🟦	🟦

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

RE670−73 1−1131430−L0

LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyn6*, D65, page 15/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

1−1131430−F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 16/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	*rgb**dd361M			*LAB**ddx361Mi (x=LabCh)						*rgb**ds361Mi			*LAB**dsx361Mi (x=LabCh)						*rgb**dd361Mi			*rgb**de361Mi			*LAB**dex361Mi (x=LabCh)						*rgb**dd361Mi			*rgb**$_{dd}$	*rgb**$_{ds}$	*rgb**$_{de}$
326	300	300	0.5	0.0	1.0	35.4	50.1	−32.6	59.8	326		0.001	0.0	1.0	32.4	25.7	−44.4	51.4	300		0.5	0.0	1.0	0.004	0.0	1.0	32.3	25.9	−44.4	51.5	300		0.5	0.0	1.0	■	■	■
327	301	301	0.516	0.0	1.0	35.8	50.7	−32.2	60.1	327		0.018	0.0	1.0	32.2	26.6	−44.2	51.7	301		0.517	0.0	1.0	0.02	0.0	1.0	32.2	26.7	−44.1	51.7	301		0.517	0.0	1.0	■	■	■
328	302	302	0.533	0.0	1.0	36.1	51.3	−31.8	60.4	328		0.036	0.0	1.0	32.1	27.5	−43.9	51.9	302		0.533	0.0	1.0	0.037	0.0	1.0	32.1	27.5	−43.9	51.9	302		0.533	0.0	1.0	■	■	■
328	303	303	0.55	0.0	1.0	36.5	52.0	−31.4	60.7	328		0.053	0.0	1.0	32.0	28.4	−43.6	52.1	303		0.55	0.0	1.0	0.053	0.0	1.0	32.0	28.4	−43.6	52.1	303		0.55	0.0	1.0	■	■	■
329	304	303	0.566	0.0	1.0	36.9	52.6	−31.0	61.1	329		0.07	0.0	1.0	31.8	29.3	−43.3	52.3	304		0.567	0.0	1.0	0.07	0.0	1.0	31.8	29.2	−43.3	52.3	303		0.567	0.0	1.0	■	■	■
330	305	304	0.583	0.0	1.0	37.3	53.2	−30.6	61.4	330		0.088	0.0	1.0	31.7	30.1	−42.9	52.5	305		0.583	0.0	1.0	0.086	0.0	1.0	31.7	30.1	−43.0	52.5	304		0.583	0.0	1.0	■	■	■
330	306	305	0.6	0.0	1.0	37.7	53.8	−30.1	61.7	330		0.105	0.0	1.0	31.6	31.0	−42.6	52.7	306		0.6	0.0	1.0	0.103	0.0	1.0	31.6	30.9	−42.6	52.7	305		0.6	0.0	1.0	■	■	■
331	307	306	0.616	0.0	1.0	38.0	54.5	−29.7	62.0	331		0.122	0.0	1.0	31.4	31.9	−42.2	53.0	307		0.617	0.0	1.0	0.119	0.0	1.0	31.5	31.7	−42.3	52.9	306		0.617	0.0	1.0	■	■	■
332	308	307	0.633	0.0	1.0	38.4	55.1	−29.1	62.3	332		0.137	0.0	1.0	31.4	32.8	−41.8	53.2	308		0.633	0.0	1.0	0.134	0.0	1.0	31.4	32.5	−41.9	53.2	307		0.633	0.0	1.0	■	■	■
333	309	308	0.65	0.0	1.0	38.7	55.8	−28.4	62.6	333		0.151	0.0	1.0	31.3	33.6	−41.4	53.5	309		0.65	0.0	1.0	0.147	0.0	1.0	31.3	33.4	−41.6	53.4	308		0.65	0.0	1.0	■	■	■
333	310	309	0.666	0.0	1.0	39.0	56.5	−27.7	62.9	333		0.165	0.0	1.0	31.3	34.5	−41.0	53.7	310		0.667	0.0	1.0	0.16	0.0	1.0	31.3	34.2	−41.2	53.6	309		0.667	0.0	1.0	■	■	■
334	311	310	0.683	0.0	1.0	39.3	57.1	−27.0	63.2	334		0.179	0.0	1.0	31.2	35.4	−40.6	54.0	311		0.683	0.0	1.0	0.174	0.0	1.0	31.2	35.0	−40.8	53.9	310		0.683	0.0	1.0	■	■	■
335	312	311	0.7	0.0	1.0	39.6	57.8	−26.3	63.5	335		0.194	0.0	1.0	31.1	36.3	−40.2	54.2	312		0.7	0.0	1.0	0.187	0.0	1.0	31.2	35.9	−40.4	54.1	311		0.7	0.0	1.0	■	■	■
336	313	312	0.716	0.0	1.0	39.9	58.4	−25.5	63.8	336		0.208	0.0	1.0	31.1	37.1	−39.7	54.5	313		0.717	0.0	1.0	0.201	0.0	1.0	31.1	36.7	−40.0	54.3	312		0.717	0.0	1.0	■	■	■
337	314	313	0.733	0.0	1.0	40.2	59.1	−24.8	64.1	337		0.222	0.0	1.0	31.0	38.0	−39.2	54.7	314		0.733	0.0	1.0	0.214	0.0	1.0	31.1	37.5	−39.5	54.6	313		0.733	0.0	1.0	■	■	■
338	315	314	0.75	0.0	1.0	40.5	59.7	−24.0	64.3	338		0.236	0.0	1.0	31.0	38.9	−38.8	55.0	315		0.75	0.0	1.0	0.227	0.0	1.0	31.0	38.3	−39.1	54.8	314		0.75	0.0	1.0	■	■	■
338	316	315	0.766	0.0	1.0	40.8	60.4	−23.7	64.9	338		0.25	0.0	1.0	30.9	39.7	−38.2	55.2	316		0.767	0.0	1.0	0.241	0.0	1.0	31.0	39.1	−38.6	55.0	315		0.767	0.0	1.0	■	■	■
339	317	316	0.783	0.0	1.0	41.2	61.1	−23.3	65.4	339		0.271	0.0	1.0	31.3	40.6	−37.8	55.6	317		0.783	0.0	1.0	0.256	0.0	1.0	31.0	40.0	−38.1	55.3	316		0.783	0.0	1.0	■	■	■
339	318	317	0.8	0.0	1.0	41.5	61.8	−23.0	65.9	339		0.291	0.0	1.0	31.6	41.6	−37.3	55.9	318		0.8	0.0	1.0	0.275	0.0	1.0	31.4	40.8	−37.7	55.6	317		0.8	0.0	1.0	■	■	■
340	319	318	0.816	0.0	1.0	41.8	62.5	−22.6	66.5	340		0.311	0.0	1.0	32.0	42.5	−36.8	56.3	319		0.817	0.0	1.0	0.295	0.0	1.0	31.7	41.7	−37.2	56.0	318		0.817	0.0	1.0	■	■	■
340	320	319	0.833	0.0	1.0	42.2	63.2	−22.2	67.0	340		0.332	0.0	1.0	32.3	43.4	−36.3	56.6	320		0.833	0.0	1.0	0.314	0.0	1.0	32.0	42.6	−36.8	56.3	319		0.833	0.0	1.0	■	■	■
341	321	320	0.85	0.0	1.0	42.5	63.9	−21.8	67.6	341		0.352	0.0	1.0	32.7	44.3	−35.8	57.0	321		0.85	0.0	1.0	0.333	0.0	1.0	32.3	43.5	−36.3	56.7	320		0.85	0.0	1.0	■	■	■
341	322	321	0.866	0.0	1.0	42.8	64.6	−21.4	68.1	341		0.372	0.0	1.0	33.0	45.2	−35.2	57.3	322		0.867	0.0	1.0	0.352	0.0	1.0	32.7	44.3	−35.8	57.0	321		0.867	0.0	1.0	■	■	■
342	323	321	0.883	0.0	1.0	43.2	65.4	−21.0	68.7	342		0.398	0.0	1.0	33.5	46.2	−34.7	57.8	323		0.883	0.0	1.0	0.372	0.0	1.0	33.0	45.2	−35.2	57.3	321		0.883	0.0	1.0	■	■	■
342	324	322	0.9	0.0	1.0	43.7	66.1	−20.5	69.3	342		0.424	0.0	1.0	34.0	47.2	−34.2	58.4	324		0.9	0.0	1.0	0.396	0.0	1.0	33.5	46.1	−34.7	57.8	322		0.9	0.0	1.0	■	■	■
343	325	323	0.916	0.0	1.0	44.3	66.9	−20.0	69.8	343		0.45	0.0	1.0	34.5	48.2	−33.7	58.9	325		0.917	0.0	1.0	0.421	0.0	1.0	33.9	47.1	−34.3	58.3	323		0.917	0.0	1.0	■	■	■
343	326	324	0.933	0.0	1.0	44.8	67.7	−19.5	70.4	343		0.477	0.0	1.0	35.0	49.2	−33.1	59.4	326		0.933	0.0	1.0	0.446	0.0	1.0	34.4	48.0	−33.8	58.8	324		0.933	0.0	1.0	■	■	■
344	327	325	0.95	0.0	1.0	45.3	68.4	−18.9	71.0	344		0.503	0.0	1.0	35.5	50.2	−32.5	59.9	327		0.95	0.0	1.0	0.471	0.0	1.0	34.9	49.0	−33.2	59.3	325		0.95	0.0	1.0	■	■	■
345	328	326	0.966	0.0	1.0	45.8	69.2	−18.4	71.6	345		0.529	0.0	1.0	36.1	51.2	−31.9	60.4	328		0.967	0.0	1.0	0.496	0.0	1.0	35.4	49.9	−32.7	59.7	326		0.967	0.0	1.0	■	■	■
345	329	327	0.983	0.0	1.0	46.3	70.0	−17.8	72.2	345		0.555	0.0	1.0	36.7	52.2	−31.3	60.9	329		0.983	0.0	1.0	0.52	0.0	1.0	35.9	50.9	−32.1	60.2	327		0.983	0.0	1.0	■	■	■
346	330	328	1.0	0.0	1.0	46.8	70.7	−17.3	72.8	346	M_d	0.58	0.0	1.0	37.3	53.2	−30.6	61.4	330	M_s	1.0	0.0	1.0	0.545	0.0	1.0	36.4	51.8	−31.5	60.7	328	M_e	1.0	0.0	1.0	■	■	■
346	331	329	1.0	0.0	0.983	46.7	70.7	−16.9	72.7	346		0.606	0.0	1.0	37.8	54.1	−29.9	61.9	331		1.0	0.0	0.983	0.569	0.0	1.0	37.0	52.7	−30.9	61.2	329		1.0	0.0	0.983	■	■	■
346	332	330	1.0	0.0	0.966	46.6	70.7	−16.5	72.6	346		0.63	0.0	1.0	38.4	55.0	−29.2	62.3	332		1.0	0.0	0.967	0.593	0.0	1.0	37.6	53.6	−30.2	61.6	330		1.0	0.0	0.967	■	■	■
347	333	331	1.0	0.0	0.95	46.5	70.7	−16.1	72.5	347		0.65	0.0	1.0	38.7	55.8	−28.4	62.7	333		1.0	0.0	0.95	0.618	0.0	1.0	38.1	54.6	−29.6	62.1	331		1.0	0.0	0.95	■	■	■
347	334	332	1.0	0.0	0.933	46.4	70.7	−15.7	72.4	347		0.67	0.0	1.0	39.1	56.6	−27.5	63.0	334		1.0	0.0	0.933	0.638	0.0	1.0	38.5	55.4	−28.8	62.5	332		1.0	0.0	0.933	■	■	■
347	335	333	1.0	0.0	0.916	46.3	70.6	−15.3	72.3	347		0.689	0.0	1.0	39.5	57.4	−26.7	63.3	335		1.0	0.0	0.917	0.657	0.0	1.0	38.9	56.1	−28.1	62.8	333		1.0	0.0	0.917	■	■	■
348	336	334	1.0	0.0	0.9	46.2	70.6	−14.9	72.2	348		0.709	0.0	1.0	39.8	58.2	−25.8	63.7	336		1.0	0.0	0.9	0.676	0.0	1.0	39.2	56.9	−27.3	63.1	334		1.0	0.0	0.9	■	■	■
348	337	335	1.0	0.0	0.883	46.2	70.6	−14.6	72.1	348		0.729	0.0	1.0	40.2	58.9	−24.9	64.0	337		1.0	0.0	0.883	0.694	0.0	1.0	39.5	57.6	−26.5	63.4	335		1.0	0.0	0.883	■	■	■
348	338	336	1.0	0.0	0.866	46.1	70.4	−13.9	71.8	348		0.749	0.0	1.0	40.5	59.7	−24.0	64.4	338		1.0	0.0	0.867	0.713	0.0	1.0	39.9	58.3	−25.6	63.8	336		1.0	0.0	0.867	■	■	■
349	339	337	1.0	0.0	0.85	46.0	70.1	−13.1	71.3	349		0.781	0.0	1.0	41.2	61.0	−23.3	65.4	339		1.0	0.0	0.85	0.732	0.0	1.0	40.2	59.0	−24.8	64.1	337		1.0	0.0	0.85	■	■	■
349	340	338	1.0	0.0	0.833	45.9	69.8	−12.3	70.9	349		0.814	0.0	1.0	41.8	62.4	−22.6	66.4	340		1.0	0.0	0.833	0.751	0.0	1.0	40.6	59.8	−23.9	64.4	338		1.0	0.0	0.833	■	■	■
350	341	339	1.0	0.0	0.816	45.8	69.5	−11.5	70.4	350		0.847	0.0	1.0	42.5	63.8	−21.9	67.5	341		1.0	0.0	0.817	0.782	0.0	1.0	41.2	61.1	−23.3	65.4	339		1.0	0.0	0.817	■	■	■
351	342	339	1.0	0.0	0.8	45.7	69.1	−10.7	70.0	351		0.879	0.0	1.0	43.2	65.2	−21.1	68.5	342		1.0	0.0	0.8	0.813	0.0	1.0	41.8	62.4	−22.6	66.4	339		1.0	0.0	0.8	■	■	■
351	343	340	1.0	0.0	0.783	45.6	68.8	−9.9	69.5	351		0.907	0.0	1.0	44.0	66.5	−20.2	69.6	343		1.0	0.0	0.783	0.844	0.0	1.0	42.4	63.7	−21.9	67.4	340		1.0	0.0	0.783	■	■	■
352	344	341	1.0	0.0	0.766	45.5	68.4	−9.1	69.0	352		0.936	0.0	1.0	44.9	67.8	−19.4	70.6	344		1.0	0.0	0.767	0.875	0.0	1.0	43.1	65.0	−21.2	68.4	341		1.0	0.0	0.767	■	■	■
353	345	342	1.0	0.0	0.75	45.3	68.1	−8.3	68.6	353		0.964	0.0	1.0	45.8	69.1	−18.4	71.6	345		1.0	0.0	0.75	0.902	0.0	1.0	43.9	66.3	−20.4	69.4	342		1.0	0.0	0.75	■	■	■

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)
TUB material: code=rha4ta

RE670−73 1−1131530−L0 LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted Output: Offset standard print; separation cmyn6*, D65, page 16/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 17/33

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 25.4, 96.2, 157.7, 244.1, 299.9, 346.3; Six hue angles of the elementary colours *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*dd361M			LAB^*ddx361Mi (x=LabCh)						rgb^*ds361Mi			LAB^*dsx361Mi (x=LabCh)						rgb^*dd361Mi			rgb^*de361Mi			LAB^*dex361Mi (x=LabCh)						rgb^*dd361Mi			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
353	345	342	1.0	0.0	0.75	45.3	68.1	−8.3	68.6	353		0.964	0.0	1.0	45.8	69.1	−18.4	71.6	345		1.0	0.0	0.75	0.902	0.0	1.0	43.9	66.3	−20.4	69.4	342		1.0	0.0	0.75	🟪	🟪	🟪
353	346	343	1.0	0.0	0.733	45.3	67.8	−7.4	68.2	353		0.993	0.0	1.0	46.6	70.4	−17.5	72.6	346		1.0	0.0	0.733	0.929	0.0	1.0	44.7	67.5	−19.6	70.3	343		1.0	0.0	0.733	🟪	🟪	🟪
354	347	344	1.0	0.0	0.716	45.3	67.6	−6.5	67.9	354		1.0	0.0	0.958	46.6	70.7	−16.2	72.6	347		1.0	0.0	0.717	0.956	0.0	1.0	45.5	68.8	−18.7	71.3	344		1.0	0.0	0.717	🟪	🟪	🟪
355	348	345	1.0	0.0	0.7	45.2	67.3	−5.6	67.5	355		1.0	0.0	0.901	46.3	70.7	−14.9	72.2	348		1.0	0.0	0.7	0.983	0.0	1.0	46.3	70.0	−17.8	72.3	345		1.0	0.0	0.7	🟪	🟪	🟪
355	349	346	1.0	0.0	0.683	45.2	67.0	−4.7	67.2	355		1.0	0.0	0.86	46.1	70.4	−13.6	71.7	349		1.0	0.0	0.683	1.0	0.0	0.98	46.7	70.8	−16.7	72.7	346		1.0	0.0	0.683	🟪	🟪	🟪
356	350	347	1.0	0.0	0.666	45.2	66.7	−3.8	66.8	356		1.0	0.0	0.833	45.9	69.8	−12.2	70.9	350		1.0	0.0	0.667	1.0	0.0	0.926	46.4	70.7	−15.5	72.4	347		1.0	0.0	0.667	🟪	🟪	🟪
357	351	348	1.0	0.0	0.65	45.1	66.4	−3.0	66.5	357		1.0	0.0	0.805	45.7	69.3	−10.9	70.2	351		1.0	0.0	0.65	1.0	0.0	0.874	46.2	70.6	−14.2	72.0	348		1.0	0.0	0.65	🟪	🟪	🟪
358	352	349	1.0	0.0	0.633	45.1	66.1	−2.1	66.1	358		1.0	0.0	0.778	45.6	68.7	−9.6	69.4	352		1.0	0.0	0.633	1.0	0.0	0.848	46.0	70.1	−12.9	71.3	349		1.0	0.0	0.633	🟪	🟪	🟪
358	353	350	1.0	0.0	0.616	45.0	65.8	−1.2	65.8	358		1.0	0.0	0.75	45.4	68.1	−8.3	68.6	353		1.0	0.0	0.617	1.0	0.0	0.822	45.8	69.6	−11.7	70.6	350		1.0	0.0	0.617	🟥	🟪	🟪
359	354	351	1.0	0.0	0.6	44.9	65.7	−0.2	65.7	359		1.0	0.0	0.728	45.4	67.8	−7.0	68.2	354		1.0	0.0	0.6	1.0	0.0	0.796	45.7	69.1	−10.4	69.9	351		1.0	0.0	0.6	🟥	🟪	🟪
360	355	352	1.0	0.0	0.583	44.9	65.5	0.6	65.5	360		1.0	0.0	0.705	45.3	67.4	−5.8	67.7	355		1.0	0.0	0.583	1.0	0.0	0.769	45.5	68.6	−9.2	69.2	352		1.0	0.0	0.583	🟥	🟪	🟪
361	356	353	1.0	0.0	0.566	44.8	65.3	1.6	65.4	361		1.0	0.0	0.682	45.3	67.0	−4.6	67.2	356		1.0	0.0	0.567	1.0	0.0	0.745	45.4	68.0	−8.0	68.5	353		1.0	0.0	0.567	🟥	🟪	🟪
362	357	354	1.0	0.0	0.55	44.7	65.1	2.5	65.2	362		1.0	0.0	0.659	45.2	66.6	−3.4	66.7	357		1.0	0.0	0.55	1.0	0.0	0.723	45.3	67.7	−6.8	68.1	354		1.0	0.0	0.55	🟥	🟪	🟪
363	358	355	1.0	0.0	0.533	44.6	64.9	3.5	65.0	363		1.0	0.0	0.637	45.2	66.2	−2.2	66.2	358		1.0	0.0	0.533	1.0	0.0	0.701	45.3	67.4	−5.6	67.6	355		1.0	0.0	0.533	🟥	🟪	🟪
363	359	356	1.0	0.0	0.516	44.5	64.7	4.4	64.9	363		1.0	0.0	0.615	45.1	65.9	−1.0	65.9	359		1.0	0.0	0.517	1.0	0.0	0.68	45.2	67.0	−4.5	67.1	356		1.0	0.0	0.517	🟥	🟥	🟪
364	360	352	1.0	0.0	0.5	44.4	64.5	5.3	64.7	364		1.0	0.0	0.595	45.0	65.7	0.0	65.7	360		1.0	0.0	0.5	1.0	0.0	0.776	45.6	68.7	−9.5	69.4	352		1.0	0.0	0.5	🟥	🟥	🟪
365	361	353	1.0	0.0	0.483	44.5	64.2	6.1	64.5	365		1.0	0.0	0.575	44.9	65.5	1.1	65.5	361		1.0	0.0	0.483	1.0	0.0	0.746	45.4	68.1	−8.0	68.6	353		1.0	0.0	0.483	🟥	🟥	🟪
366	362	354	1.0	0.0	0.466	44.5	63.9	6.9	64.3	366		1.0	0.0	0.555	44.8	65.2	2.3	65.3	362		1.0	0.0	0.467	1.0	0.0	0.721	45.3	67.7	−6.7	68.0	354		1.0	0.0	0.467	🟥	🟥	🟪
366	363	355	1.0	0.0	0.45	44.6	63.6	7.7	64.0	366		1.0	0.0	0.535	44.7	65.0	3.4	65.1	363		1.0	0.0	0.45	1.0	0.0	0.696	45.3	67.3	−5.3	67.5	355		1.0	0.0	0.45	🟥	🟥	🟪
367	364	356	1.0	0.0	0.433	44.6	63.2	8.4	63.8	367		1.0	0.0	0.515	44.6	64.7	4.5	64.9	364		1.0	0.0	0.433	1.0	0.0	0.67	45.2	66.8	−4.0	66.9	356		1.0	0.0	0.433	🟥	🟥	🟪
368	365	357	1.0	0.0	0.416	44.6	62.9	9.2	63.6	368		1.0	0.0	0.494	44.5	64.4	5.6	64.7	365		1.0	0.0	0.417	1.0	0.0	0.645	45.2	66.3	−2.6	66.4	357		1.0	0.0	0.417	🟥	🟥	🟪
369	366	358	1.0	0.0	0.4	44.7	62.6	9.9	63.4	369		1.0	0.0	0.471	44.6	64.0	6.7	64.4	366		1.0	0.0	0.4	1.0	0.0	0.62	45.1	65.9	−1.3	65.9	358		1.0	0.0	0.4	🟥	🟥	🟥
369	367	359	1.0	0.0	0.383	44.7	62.2	10.7	63.1	369		1.0	0.0	0.448	44.6	63.6	7.8	64.0	367		1.0	0.0	0.383	1.0	0.0	0.598	45.0	65.7	−0.1	65.7	359		1.0	0.0	0.383	🟥	🟥	🟥
370	368	360	1.0	0.0	0.366	44.8	62.0	11.5	63.1	370		1.0	0.0	0.424	44.7	63.1	8.9	63.7	368		1.0	0.0	0.367	1.0	0.0	0.576	44.9	65.5	1.1	65.5	360		1.0	0.0	0.367	🟥	🟥	🟥
371	369	362	1.0	0.0	0.35	44.8	61.9	12.3	63.1	371		1.0	0.0	0.401	44.7	62.6	9.9	63.4	369		1.0	0.0	0.35	1.0	0.0	0.554	44.8	65.2	2.4	65.3	362		1.0	0.0	0.35	🟥	🟥	🟥
372	370	363	1.0	0.0	0.333	44.8	61.8	13.2	63.2	372		1.0	0.0	0.378	44.8	62.2	11.0	63.1	370		1.0	0.0	0.333	1.0	0.0	0.531	44.6	64.9	3.6	65.1	363		1.0	0.0	0.333	🟥	🟥	🟥
372	371	364	1.0	0.0	0.316	44.9	61.7	14.0	63.3	372		1.0	0.0	0.356	44.8	62.0	12.1	63.2	371		1.0	0.0	0.317	1.0	0.0	0.509	44.5	64.6	4.9	64.8	364		1.0	0.0	0.317	🟥	🟥	🟥
373	372	365	1.0	0.0	0.3	44.9	61.6	14.9	63.4	373		1.0	0.0	0.335	44.9	61.9	13.2	63.3	372		1.0	0.0	0.3	1.0	0.0	0.484	44.5	64.2	6.1	64.5	365		1.0	0.0	0.3	🟥	🟥	🟥
374	373	366	1.0	0.0	0.283	45.0	61.4	15.7	63.4	374		1.0	0.0	0.313	44.9	61.7	14.3	63.4	373		1.0	0.0	0.283	1.0	0.0	0.458	44.6	63.8	7.3	64.2	366		1.0	0.0	0.283	🟥	🟥	🟥
375	374	367	1.0	0.0	0.266	45.0	61.3	16.6	63.5	375		1.0	0.0	0.292	45.0	61.6	15.3	63.4	374		1.0	0.0	0.267	1.0	0.0	0.433	44.7	63.3	8.5	63.8	367		1.0	0.0	0.267	🟥	🟥	🟥
375	375	368	1.0	0.0	0.25	45.0	61.1	17.4	63.6	375		1.0	0.0	0.271	45.0	61.4	16.4	63.5	375		1.0	0.0	0.25	1.0	0.0	0.407	44.7	62.8	9.7	63.5	368		1.0	0.0	0.25	🟥	🟥	🟥
376	376	369	1.0	0.0	0.233	45.2	61.1	18.3	63.8	376		1.0	0.0	0.249	45.1	61.2	17.5	63.6	376		1.0	0.0	0.233	1.0	0.0	0.381	44.8	62.2	10.8	63.2	369		1.0	0.0	0.233	🟥	🟥	🟥
377	377	370	1.0	0.0	0.216	45.3	61.1	19.2	64.1	377		1.0	0.0	0.227	45.3	61.2	18.7	64.0	377		1.0	0.0	0.217	1.0	0.0	0.356	44.8	62.0	12.0	63.2	370		1.0	0.0	0.217	🟥	🟥	🟥
378	378	372	1.0	0.0	0.2	45.4	61.1	20.1	64.3	378		1.0	0.0	0.205	45.4	61.2	19.9	64.3	378		1.0	0.0	0.2	1.0	0.0	0.332	44.9	61.9	13.3	63.3	372		1.0	0.0	0.2	🟥	🟥	🟥
378	379	373	1.0	0.0	0.183	45.5	61.1	21.0	64.6	378		1.0	0.0	0.183	45.6	61.1	21.0	64.6	379		1.0	0.0	0.183	1.0	0.0	0.309	45.0	61.7	14.5	63.4	373		1.0	0.0	0.183	🟥	🟥	🟥
379	380	374	1.0	0.0	0.166	45.7	61.0	21.9	64.8	379		1.0	0.0	0.161	45.7	61.0	22.2	65.0	380		1.0	0.0	0.167	1.0	0.0	0.285	45.0	61.5	15.7	63.5	374		1.0	0.0	0.167	🟥	🟥	🟥
380	381	375	1.0	0.0	0.15	45.8	60.9	22.8	65.1	380		1.0	0.0	0.139	45.9	60.9	23.4	65.3	381		1.0	0.0	0.15	1.0	0.0	0.261	45.1	61.3	16.9	63.6	375		1.0	0.0	0.15	🟥	🟥	🟥
381	382	376	1.0	0.0	0.133	45.9	60.9	23.7	65.3	381		1.0	0.0	0.113	46.0	61.0	24.6	65.8	382		1.0	0.0	0.133	1.0	0.0	0.237	45.2	61.2	18.2	63.8	376		1.0	0.0	0.133	🟥	🟥	🟥
381	383	377	1.0	0.0	0.116	46.0	60.9	24.4	65.6	381		1.0	0.0	0.08	46.0	61.2	26.0	66.5	383		1.0	0.0	0.117	1.0	0.0	0.212	45.4	61.2	19.5	64.2	377		1.0	0.0	0.117	🟥	🟥	🟥
382	384	378	1.0	0.0	0.1	45.9	61.0	25.1	66.0	382		1.0	0.0	0.047	46.0	61.5	27.4	67.3	384		1.0	0.0	0.1	1.0	0.0	0.188	45.6	61.1	20.8	64.6	378		1.0	0.0	0.1	🟥	🟥	🟥
382	385	379	1.0	0.0	0.083	45.9	61.2	25.8	66.4	382		1.0	0.0	0.014	45.9	61.7	28.8	68.1	385		1.0	0.0	0.083	1.0	0.0	0.163	45.7	61.0	22.1	64.9	379		1.0	0.0	0.083	🟥	🟥	🟥
383	386	381	1.0	0.0	0.066	45.9	61.3	26.5	66.8	383		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		1.0	0.0	0.067	1.0	0.0	0.139	45.9	60.9	23.4	65.3	381		1.0	0.0	0.067	🟥	⬛	🟥
383	387	382	1.0	0.0	0.049	45.9	61.4	27.2	67.2	383		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		1.0	0.0	0.05	1.0	0.0	0.109	46.0	61.0	24.8	65.9	382		1.0	0.0	0.05	🟥	⬛	🟥
384	388	383	1.0	0.0	0.033	45.9	61.5	27.9	67.6	384		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		1.0	0.0	0.033	1.0	0.0	0.072	46.0	61.3	26.3	66.7	383		1.0	0.0	0.033	🟥	⬛	🟥
384	389	384	1.0	0.0	0.016	45.9	61.6	28.6	68.0	384		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		1.0	0.0	0.017	1.0	0.0	0.035	45.9	61.6	27.9	67.6	384		1.0	0.0	0.017	🟥	⬛	🟥
385	390	385	1.0	0.0	0.0	45.9	61.7	29.3	68.3	385	R_d	1.0	0.045	0.0	48.1	60.5	34.9	69.9	390	R_s	1.0	0.0	0.0	1.0	0.001	0.0	45.9	61.8	29.4	68.4	385	R_e	1.0	0.0	0.0	🟥	🟥	🟥

RE670−73 1−1131630−L0

LAB*la0, YN=0%, XYZnw=2.9, 3.0, 3.1, 77.2, 85.9, 75.3, LAB*nw=20.0, 0.0, 0.0, 94.3, 0.0, 0.0, not adapted=adapted

Output: Offset standard print; separation cmyn6*, D65, page 17/33

TUB-test chart RE67; 1080 standard colours, *cf*=1
48 step hue circles; *rgb−LabCh**tables

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

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 18/33

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

n/j	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			*h*$_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				
0/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
1/657	R13Y_100_100$_{de}$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.077	0.0	49.5	59.3	38.9	70.9	33.2
2/666	R25Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.16	0.0	53.7	53.2	46.3	70.6	41.0
3/675	R38Y_100_100$_{de}$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.27	0.0	59.4	41.9	50.0	65.2	49.9
4/684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
5/693	R63Y_100_100$_{de}$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.511	0.0	69.9	23.7	58.2	62.9	67.8
6/702	R75Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.655	0.0	75.4	14.6	62.1	63.9	76.7
7/711	R88Y_100_100$_{de}$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.763	0.0	81.0	5.9	61.6	61.9	84.5
8/720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
9/639	Y13G_100_100$_{de}$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.781	1.0	0.0	88.7	−13.7	74.2	75.5	100.4
10/558	Y25G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.665	1.0	0.0	82.1	−21.8	64.9	68.5	108.6
11/477	Y38G_100_100$_{de}$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.553	1.0	0.0	75.5	−29.6	55.8	63.1	117.9
12/396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
13/315	Y63G_100_100$_{de}$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.312	1.0	0.0	64.8	−43.5	41.2	60.0	136.5
14/234	Y75G_100_100$_{de}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.217	1.0	0.0	60.3	−50.1	33.9	60.5	145.9
15/153	Y88G_100_100$_{de}$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.089	1.0	0.0	56.3	−55.7	27.1	61.9	154.0
16/72	G00C_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
17/73	G13C_100_100$_{de}$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.153	53.6	−56.6	11.4	57.7	168.6
18/74	G25C_100_100$_{de}$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.252	53.7	−53.1	4.6	53.3	175.0
19/75	G38C_100_100$_{de}$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.369	54.4	−50.0	−2.0	50.0	182.3
20/76	G50C_100_100$_{de}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
21/77	G63C_100_100$_{de}$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.526	55.5	−43.3	−13.1	45.3	196.9
22/78	G75C_100_100$_{de}$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.601	55.8	−40.2	−18.0	44.1	204.2
23/79	G88C_100_100$_{de}$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.663	55.9	−37.5	−22.2	43.6	210.5
24/80	C00B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
25/71	C13B_100_100$_{de}$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	1.0	0.793	55.4	−32.4	−30.6	44.6	223.3
26/62	C25B_100_100$_{de}$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	1.0	0.871	54.4	−30.2	−35.7	46.8	229.7
27/53	C38B_100_100$_{de}$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	1.0	0.937	53.2	−26.9	−41.6	49.6	237.0
28/44	C50B_100_100$_{de}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
29/35	C63B_100_100$_{de}$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.79	1.0	51.5	−17.6	−53.3	56.1	251.6
30/26	C75B_100_100$_{de}$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.631	1.0	49.4	−10.8	−55.7	56.7	258.9
31/17	C88B_100_100$_{de}$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.487	1.0	44.8	−4.4	−54.6	54.7	265.3
32/8	B00M_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
33/89	B13M_100_100$_{de}$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.26	1.0	36.2	7.6	−51.7	52.2	278.3
34/170	B25M_100_100$_{de}$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.18	1.0	35.1	13.3	−49.8	51.6	285.0
35/251	B38M_100_100$_{de}$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.0	0.09	1.0	33.9	19.6	−47.3	51.2	292.5
36/332	B50M_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
37/413	B63M_100_100$_{de}$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.133	0.0	1.0	31.3	32.5	−42.0	53.1	307.7
38/494	B75M_100_100$_{de}$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.24	0.0	1.0	30.9	39.1	−38.6	55.0	315.3
39/575	B88M_100_100$_{de}$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.371	0.0	1.0	33.0	45.1	−35.3	57.3	321.9
40/656	M00R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
41/655	M13R_100_100$_{de}$	1.0	0.0	0.875	1.0	1.0	0.5	337	0.694	0.0	1.0	39.5	57.6	−26.5	63.4	335.2
42/654	M25R_100_100$_{de}$	1.0	0.0	0.75	1.0	1.0	0.5	344	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8
43/653	M38R_100_100$_{de}$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.847	45.9	70.1	−13.0	71.3	349.4
44/652	M50R_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
45/651	M63R_100_100$_{de}$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.575	44.8	65.4	1.1	65.4	0.9
46/650	M75R_100_100$_{de}$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.38	44.7	62.2	10.8	63.1	9.8
47/649	M88R_100_100$_{de}$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.212	45.3	61.1	19.4	64.1	17.6
48/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
49/0	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
50/91	NW_013$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0
51/182	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0
52/273	NW_038$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0
53/364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0
54/455	NW_063$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0
55/546	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0
56/637	NW_088$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0
57/728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0

n/j	*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	*h*$_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
0/648	1.0	0.0	0.0	45.8	58.0	38.9	69.8	33.8	10.2	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
1/657	1.0	0.074	0.0	48.5	58.5	49.8	76.9	40.4	11.0	33	1.0	0.077	0.0	49.5	59.3	38.9	70.9	33.2
2/666	1.0	0.16	0.0	52.3	50.4	56.1	75.4	48.0	10.2	38	1.0	0.16	0.0	53.7	53.2	46.3	70.6	41.0
3/675	1.0	0.271	0.0	58.8	37.8	62.6	73.2	58.8	13.3	45	1.0	0.27	0.0	59.4	41.9	50.0	65.2	49.9
4/684	1.0	0.389	0.0	63.7	28.4	67.7	73.4	67.1	14.4	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
5/693	1.0	0.513	0.0	68.9	18.4	72.6	74.9	75.7	15.3	60	1.0	0.511	0.0	69.9	23.7	58.2	62.9	67.8
6/702	0.999	0.654	0.0	74.4	8.3	78.5	79.0	83.9	17.6	70	1.0	0.655	0.0	75.4	14.6	62.1	63.9	76.7
7/711	0.987	0.755	0.011	79.6	−0.8	81.8	81.8	90.5	21.3	76	1.0	0.763	0.0	81.0	5.9	61.6	61.9	84.5
8/720	0.971	0.911	0.034	85.9	−11.2	83.7	84.4	97.6	23.7	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
9/639	0.78	1.0	0.0	87.7	−24.3	92.2	95.4	104.7	20.9	101	0.781	1.0	0.0	88.7	−13.7	74.2	75.5	100.4
10/558	0.664	1.0	0.0	78.9	−33.8	79.0	86.0	113.2	18.7	109	0.665	1.0	0.0	82.1	−21.8	64.9	68.5	108.6
11/477	0.554	1.0	0.0	71.7	−41.7	66.7	78.6	122.0	16.7	116	0.553	1.0	0.0	75.5	−29.6	55.8	63.1	117.9
12/396	0.417	1.0	0.0	65.5	−48.5	56.5	74.5	130.6	15.3	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
13/315	0.314	1.0	0.0	62.5	−52.9	51.7	74.0	135.6	14.2	132	0.312	1.0	0.0	64.8	−43.5	41.2	60.0	136.5
14/234	0.219	1.0	0.0	56.3	−61.6	41.3	74.2	146.1	14.2	138	0.217	1.0	0.0	60.3	−50.1	33.9	60.5	145.9
15/153	0.1	0.871	0.021	54.3	−65.0	36.0	74.3	151.0	13.0	145	0.089	1.0	0.0	56.3	−55.7	27.1	61.9	154.0
16/72	0.041	0.874	0.077	51.6	−68.4	29.3	74.4	156.8	14.4	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
17/73	0.038	0.874	0.164	51.0	−67.9	23.1	71.7	161.1	16.5	158	0.0	1.0	0.153	53.6	−56.6	11.4	57.7	168.6
18/74	0.0	0.999	0.254	51.8	−63.1	14.7	64.8	166.8	14.3	164	0.0	1.0	0.252	53.7	−53.1	4.6	53.3	175.0
19/75	0.004	0.993	0.369	52.5	−58.7	7.4	59.1	172.7	12.9	171	0.0	1.0	0.369	54.4	−50.0	−2.0	50.0	182.3
20/76	0.046	0.874	0.402	53.0	−57.3	4.0	57.4	176.0	16.0	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
21/77	0.048	0.874	0.461	53.6	−53.1	−1.3	53.1	181.4	15.4	181	0.0	1.0	0.526	55.5	−43.3	−13.1	45.3	196.9
22/78	0.047	0.874	0.521	54.0	−50.3	−6.2	50.7	187.1	15.6	186	0.0	1.0	0.601	55.8	−40.2	−18.0	44.1	204.2
23/79	0.04	0.874	0.59	53.9	−46.1	−12.3	47.7	194.9	13.2	190	0.0	1.0	0.663	55.9	−37.5	−22.2	43.6	210.5
24/80	0.046	0.874	0.642	53.7	−44.4	−15.8	47.1	199.5	14.3	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
25/71	0.045	0.874	0.704	53.2	−42.4	−19.9	46.8	205.1	14.7	198	0.0	1.0	0.793	55.4	−32.4	−30.6	44.6	223.3
26/62	0.0	1.0	0.872	53.0	−39.2	−23.8	45.9	211.2	14.9	203	0.0	1.0	0.871	54.4	−30.2	−35.7	46.8	229.7
27/53	0.025	0.874	0.847	51.5	−35.3	−30.9	46.9	221.1	13.7	206	0.0	1.0	0.937	53.2	−26.9	−41.6	49.6	237.0
28/44	0.014	0.874	0.924	51.3	−32.6	−35.1	47.9	227.1	15.6	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
29/35	0.0	0.749	0.977	51.2	−23.0	−43.9	49.6	242.3	10.7	221	0.0	0.79	1.0	51.5	−17.6	−53.3	56.1	251.6
30/26	0.0	0.63	1.0	49.4	−14.9	−47.5	49.8	252.5	9.1	231	0.0	0.631	1.0	49.4	−10.8	−55.7	56.7	258.9
31/17	0.0	0.49	1.0	44.4	−8.3	−47.6	48.4	260.0	7.9	240	0.0	0.487	1.0	44.8	−4.4	−54.6	54.7	265.3
32/8	0.0	0.369	1.0	40.0	−1.6	−47.9	48.0	268.0	6.3	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
33/89	0.001	0.266	0.869	35.9	4.9	−47.6	47.8	275.9	4.9	255	0.0	0.26	1.0	36.2	7.6	−51.7	52.2	278.3
34/170	0.013	0.205	0.874	32.8	11.9	−46.9	48.4	284.2	4.0	260	0.0	0.18	1.0	35.1	13.3	−49.8	51.6	285.0
35/251	0.008	0.094	1.0	33.3	17.2	−44.6	47.8	291.0	3.7	265	0.0	0.09	1.0	33.9	19.6	−47.3	51.2	292.5
36/332	0.045	0.052	0.867	31.1	22.8	−43.9	49.5	297.4	3.3	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
37/413	0.134	0.0	1.0	29.9	29.2	−41.5	50.8	305.1	3.6	277	0.133	0.0	1.0	31.3	32.5	−42.0	53.1	307.7
38/494	0.242	0.0	1.0	29.6	34.6	−38.1	51.5	312.2	4.6	283	0.24	0.0	1.0	30.9	39.1	−38.6	55.0	315.3
39/575	0.373	0.0	1.0	30.8	38.6	−34.8	52.0	317.9	6.8	291	0.371	0.0	1.0	33.0	45.1	−35.3	57.3	321.9
40/656	0.545	0.0	1.0	33.9	45.7	−30.1	54.7	326.6	6.6	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
41/655	0.692	0.0	1.0	36.7	50.4	−25.2	56.4	333.4	7.7	312	0.694	0.0	1.0	39.5	57.6	−26.5	63.4	335.2
42/654	0.874	0.0	1.0	41.1	58.7	−17.8	61.4	343.0	7.3	323	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8
43/653	0.998	0.003	0.845	45.8	67.5	−6.5	67.9	354.4	6.9	338	1.0	0.0	0.847	45.9	70.1	−13.0	71.3	349.4
44/652	1.0	0.0	0.775	45.8	65.9	−2.1	66.0	358.1	7.8	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
45/651	1.0	0.0	0.575	45.6	61.3	8.7	61.9	368.1	8.7	354	1.0	0.0	0.575	44.8	65.4	1.1	65.4	0.9
46/650	0.999	0.0	0.382	45.0	58.5	20.8	62.1	379.5	10.6	367	1.0	0.0	0.38	44.7	62.2	10.8	63.1	9.8
47/649	1.0	0.0	0.212	45.6	57.5	30.3	65.0	387.7	11.4	378	1.0	0.0	0.212	45.3	61.1	19.4	64.1	17.6
48/648	1.0	0.0	0.0	45.8	58.0	38.9	69.8	393.8	10.2	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
49/0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	0.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
50/91	0.161	0.171	0.137	28.1	−1.6	3.3	3.7	115.5	3.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
51/182	0.272	0.294	0.231	38.6	−2.8	4.4	5.2	122.7	5.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
52/273	0.347	0.367	0.281	48.3	−4.5	7.7	8.9	120.5	8.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
53/364	0.448	0.486	0.35	55.8	−6.1	11.6	13.1	117.8	13.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
54/455	0.543	0.598	0.429	65.3	−7.4	13.2	15.2	119.1	15.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
55/546	0.642	0.724	0.531	73.1	−10.6	17.1	20.2	121.8	20.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
56/637	0.763	0.867	0.652	84.0	−12.2	19.6	23.1	122.0	23.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
57/728	1.0	1.0	1.0	94.5	0.0	0.0	0.0	0.0	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta** **11.6**

1-1131730-F0

RE670-7N, Page 18/33-F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^*$

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 19/33

n/j	$\mathrm{HIC}^{*}_{\mathrm{Fde}}$	$rgb_{\_\mathrm{Fde}}$			$ict_{\_\mathrm{Fde}}$			$h_{\mathrm{si\_F,de}}$	rgb^{*}_{Fde}			$LabCh^{*}_{\mathrm{Fde}}$					rgb'^{*}_{Fde}			$LabCh'^{*}_{\mathrm{Fde}}$					DE'^{*}_{Fde}	$h_{\mathrm{siM,de}}$	rgb^{*}_{Mde}			$LabCh^{*}_{\mathrm{Mde}}$				
0/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4	1.0	0.0	0.0	45.8	58.0	38.9	69.8	33.8	10.2	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
1/666	R25Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.16	0.0	53.7	53.2	46.3	70.6	41.0	1.0	0.16	0.0	52.3	50.4	56.1	75.4	48.0	10.2	38	1.0	0.16	0.0	53.7	53.2	46.3	70.6	41.0
2/684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8	1.0	0.389	0.0	63.7	28.4	67.7	73.4	67.1	14.4	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
3/702	R75Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.655	0.0	75.4	14.6	62.1	63.9	76.7	0.999	0.654	0.0	74.4	8.3	78.5	79.0	83.9	17.6	70	1.0	0.655	0.0	75.4	14.6	62.1	63.9	76.7
4/720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3	0.971	0.911	0.034	85.9	−11.2	83.7	84.4	97.6	23.7	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
5/558	Y25G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.665	1.0	0.0	82.1	−21.8	64.9	68.5	108.6	0.664	1.0	0.0	78.9	−33.8	79.0	86.0	113.2	18.7	109	0.665	1.0	0.0	82.1	−21.8	64.9	68.5	108.6
6/396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2	0.417	1.0	0.0	65.5	−48.5	56.5	74.5	130.6	15.3	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
7/234	Y75G_100_100$_{de}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.217	1.0	0.0	60.3	−50.1	33.9	60.5	145.9	0.219	1.0	0.0	56.3	−61.6	41.3	74.2	146.1	14.2	138	0.217	1.0	0.0	60.3	−50.1	33.9	60.5	145.9
8/72	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2	0.041	0.874	0.077	51.6	−68.4	29.3	74.4	156.8	14.4	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
9/72	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2	0.041	0.874	0.077	51.6	−68.4	29.3	74.4	156.8	14.4	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
10/76	G25B_100_100$_{de}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6	0.046	0.874	0.402	53.0	−57.3	4.0	57.4	176.0	16.0	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
11/80	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9	0.046	0.874	0.642	53.7	−44.4	−15.8	47.1	199.5	14.3	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
12/44	G75B_100_100$_{de}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3	0.014	0.874	0.924	51.3	−32.6	−35.1	47.9	227.1	15.6	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
13/8	B00M_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7	0.0	0.369	1.0	40.0	−1.6	−47.9	48.0	268.0	6.3	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
14/332	B25R_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1	0.045	0.052	0.867	31.1	22.8	−43.9	49.5	297.4	3.3	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
15/656	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6	0.545	0.0	1.0	33.9	45.7	−30.1	54.7	326.6	6.6	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
16/652	B75R_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0	1.0	0.0	0.775	45.8	65.9	−2.1	66.0	358.1	7.8	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
17/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4	1.0	0.0	0.0	45.8	58.0	38.9	69.8	33.8	10.2	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
18/688	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	70.1	30.8	14.7	34.2	25.4	0.998	0.499	0.506	68.6	25.0	31.2	40.0	51.2	17.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
19/706	R50Y_100_050$_{de}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.694	0.5	79.5	16.2	26.9	31.5	58.8	1.0	0.703	0.437	78.1	6.5	46.4	46.9	81.9	21.8	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
20/724	Y00G_100_050$_{de}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.966	0.5	90.5	−1.2	30.8	30.8	92.3	1.0	0.977	0.443	89.5	−12.8	56.5	57.9	102.8	28.2	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
21/562	Y50G_100_050$_{de}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.708	1.0	0.5	81.9	−18.2	23.9	30.1	127.2	0.67	0.996	0.422	77.6	−33.0	43.9	54.9	126.9	25.2	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
22/400	G00B_100_050$_{de}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.531	74.0	−29.3	9.4	30.8	162.2	0.469	1.0	0.376	69.8	−39.2	25.7	46.9	146.6	19.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
23/404	G50B_100_050$_{de}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.861	75.1	−17.3	−13.0	21.7	216.9	0.479	1.0	0.688	71.3	−29.5	0.6	29.5	178.6	18.7	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
24/368	B00R_100_050$_{de}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.684	1.0	67.1	0.8	−26.7	26.7	271.7	0.473	0.649	0.725	63.5	−7.3	−17.4	18.9	247.2	12.8	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
25/692	B50R_100_050$_{de}$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.772	0.5	1.0	65.3	25.9	−15.8	30.3	328.6	0.785	0.483	0.732	64.8	19.4	−4.3	19.9	347.3	13.1	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
26/688	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	70.1	30.8	14.7	34.2	25.4	0.998	0.499	0.506	68.6	25.0	31.2	40.0	51.2	17.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
27/506	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.5	30.8	14.7	34.2	25.4	0.768	0.23	0.268	51.1	27.0	24.9	36.8	42.6	10.9	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
28/524	R50Y_075_050$_{de}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.444	0.25	61.0	16.2	26.9	31.5	58.8	0.768	0.427	0.2	60.9	10.3	37.9	39.3	74.7	12.4	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
29/542	Y00G_075_050$_{de}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.716	0.25	72.0	−1.2	30.8	30.8	92.3	0.691	0.653	0.222	71.2	−9.3	49.2	50.1	100.7	20.1	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
30/380	Y50G_075_050$_{de}$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.458	0.75	0.25	63.3	−18.2	23.9	30.1	127.2	0.408	0.69	0.164	61.5	−26.9	36.4	45.3	126.4	15.3	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
31/218	G00B_075_050$_{de}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.281	55.5	−29.3	9.4	30.8	162.2	0.223	0.733	0.221	53.5	−38.0	18.9	42.4	153.5	13.0	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
32/222	G50B_075_050$_{de}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.611	56.5	−17.3	−13.0	21.7	216.9	0.253	0.679	0.458	55.8	−26.7	−2.9	26.9	186.3	13.7	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
33/186	B00R_075_050$_{de}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.434	0.75	48.5	0.8	−26.7	26.7	271.7	0.276	0.426	0.574	47.8	−4.9	−21.4	21.9	257.0	7.8	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
34/510	B50R_075_050$_{de}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.522	0.25	0.75	46.8	25.9	−15.8	30.3	328.6	0.512	0.237	0.53	43.7	22.6	−11.0	25.2	333.9	6.4	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
35/506	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.5	30.8	14.7	34.2	25.4	0.768	0.23	0.268	51.1	27.0	24.9	36.8	42.6	10.9	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
36/324	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.9	30.8	14.7	34.2	25.4	0.457	0.01	0.056	33.3	28.6	20.6	35.3	35.7	6.3	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
37/342	R50Y_050_050$_{de}$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.194	0.0	42.4	16.2	26.9	31.5	58.8	0.534	0.202	0.039	42.7	14.0	36.9	39.5	69.1	10.1	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
38/360	Y00G_050_050$_{de}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.466	0.0	53.4	−1.2	30.8	30.8	92.3	0.488	0.427	0.078	54.1	−6.8	44.1	44.7	98.8	14.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
39/198	Y50G_050_050$_{de}$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.208	0.5	0.0	44.8	−18.2	23.9	30.1	127.2	0.254	0.494	0.036	45.0	−25.7	32.0	41.1	128.8	11.0	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
40/36	G00B_050_050$_{de}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.031	36.9	−29.3	9.4	30.8	162.2	0.0	0.375	0.0	37.3	−37.0	14.3	39.7	158.9	9.1	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
41/40	G50B_050_050$_{de}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.361	38.0	−17.3	−13.0	21.7	216.9	0.07	0.397	0.269	38.4	−20.7	−9.1	22.7	203.8	5.2	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
42/4	B00R_050_050$_{de}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.184	0.5	30.0	0.8	−26.7	26.7	271.7	0.008	0.103	0.35	30.7	−1.4	−25.3	25.3	266.6	2.7	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
43/328	B50R_050_050$_{de}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.272	0.0	0.5	28.2	25.9	−15.8	30.3	328.6	0.25	0.0	0.375	29.3	25.0	−16.8	30.1	326.0	1.7	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
44/324	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.9	30.8	14.7	34.2	25.4	0.457	0.01	0.056	33.3	28.6	20.6	35.3	35.7	6.3	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
45/0	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	0.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
46/91	NW_013$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	28.1	−1.6	3.3	3.7	115.5	3.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
47/182	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	38.6	−2.8	4.4	5.2	122.7	5.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
48/273	NW_038$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	48.3	−4.5	7.7	8.9	120.5	8.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
49/364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	55.8	−6.1	11.6	13.1	117.8	13.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
50/455	NW_063$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	65.3	−7.4	13.2	15.2	119.1	15.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
51/546	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	73.1	−10.6	17.1	20.2	121.8	20.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
52/637	NW_088$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	84.0	−12.2	19.6	23.1	122.0	23.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
53/728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.5	0.0	0.0	0.0	0.0	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0

Mean color difference of this page: delta 12.5

1-1131830-F0

RE670−7N, Page 19/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^{*}$

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1131830−F0

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 20/33

n=j	HIC*$_{\mathrm{Fde}}$	*rgb*$_{\mathrm{\_Fde}}$			*ict*$_{\mathrm{\_Fde}}$			*h*$_{\mathrm{si\_F,de}}$	*rgb**$_{\mathrm{Fde}}$			*LabCh**$_{\mathrm{Fde}}$					*rgb'**$_{\mathrm{Fde}}$			*LabCh'**$_{\mathrm{Fde}}$					*DE'**$_{\mathrm{Fde}}$	*h*$_{\mathrm{siM,de}}$	*rgb**$_{\mathrm{Mde}}$			*LabCh**$_{\mathrm{Mde}}$				
0	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1	B00R_012_012de	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.046	0.125	22.5	0.2	−6.6	6.6	271.7	0.0	0.013	0.06	24.4	4.8	−11.2	12.2	293.4	6.7	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
2	B00R_025_025de	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.092	0.25	25.0	0.4	−13.3	13.3	271.7	0.0	0.023	0.125	23.6	5.2	−19.9	20.5	284.7	8.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
3	B00R_037_037de	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.138	0.375	27.5	0.6	−20.0	20.0	271.7	0.016	0.085	0.26	28.1	10.9	−28.9	31.0	290.7	13.7	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
4	B00R_050_050de	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.184	0.5	30.0	0.8	−26.7	26.7	271.7	0.008	0.103	0.35	29.6	19.6	−39.6	44.3	296.3	22.8	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
5	B00R_062_062de	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.23	0.625	32.5	1.0	−33.4	33.4	271.7	0.001	0.142	0.433	28.1	26.4	−44.8	52.1	300.5	28.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
6	B00R_075_075de	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.276	0.75	35.0	1.2	−40.1	40.1	271.7	0.0	0.203	0.535	29.1	26.5	−44.7	52.0	300.6	26.4	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
7	B00R_087_087de	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.322	0.875	37.5	1.4	−46.8	46.8	271.7	0.006	0.27	0.685	30.8	27.2	−44.4	52.1	301.4	26.7	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
8	B00R_100_100de	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7	0.0	0.369	1.0	32.3	25.6	−44.5	51.4	299.9	26.7	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
9	G00B_012_012de	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.007	24.2	−7.3	2.3	7.7	162.2	0.0	0.068	0.0	29.7	−5.3	1.9	5.6	159.7	5.8	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
10	G50B_012_012de	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.09	24.5	−4.3	−3.2	5.4	216.9	0.0	0.058	0.016	28.2	−6.2	−11.2	12.9	240.9	9.0	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
11	G75B_025_025de	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.248	0.25	28.0	−5.6	−11.8	13.1	244.3	0.0	0.116	0.125	28.8	−3.3	−20.2	20.4	260.6	8.7	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
12	G84B_037_037de	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.272	0.375	31.6	−5.7	−20.5	21.3	254.3	0.0	0.181	0.26	31.0	−1.3	−29.0	29.0	267.2	9.5	225	0.0	0.725	1.0	51.1	−15.3	−54.8	56.9	254.3
13	G88B_050_050de	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.315	0.5	34.7	−5.4	−27.8	28.3	258.9	0.004	0.229	0.379	33.0	5.8	−39.7	40.1	278.3	16.4	231	0.0	0.631	1.0	49.4	−10.8	−55.7	56.7	258.9
14	G90B_062_062de	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.355	0.625	37.2	−5.0	−34.5	34.9	261.6	0.011	0.286	0.49	34.2	13.1	−47.0	48.8	285.6	22.2	235	0.0	0.569	1.0	47.5	−8.0	−55.3	55.9	261.6
15	G92B_075_075de	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.395	0.75	39.6	−4.6	−41.2	41.4	263.5	0.01	0.34	0.6	33.4	17.1	−47.9	50.9	289.6	23.6	238	0.0	0.527	1.0	46.2	−6.2	−54.9	55.3	263.5
16	G93B_087_087de	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.443	0.875	42.3	−4.6	−47.9	48.1	264.4	0.007	0.393	0.716	34.0	18.9	−47.3	50.9	291.7	25.0	239	0.0	0.506	1.0	45.5	−5.3	−54.7	55.0	264.4
17	G94B_100_100de	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.487	1.0	44.8	−4.4	−54.6	54.7	265.3	0.0	0.49	1.0	34.5	17.3	−48.1	51.1	289.8	24.9	240	0.0	0.487	1.0	44.8	−4.4	−54.6	54.7	265.3
18	G00B_025_025de	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.015	28.5	−14.6	4.7	15.4	162.2	0.0	0.25	0.0	32.6	−17.6	3.4	17.9	168.8	5.2	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
19	G25B_025_025de	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.112	28.7	−11.6	−1.9	11.8	189.6	0.016	0.25	0.125	30.8	−14.1	−6.4	15.5	204.3	5.4	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
20	G50B_025_025de	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.18	29.0	−8.6	−6.5	10.8	216.9	0.019	0.178	0.112	35.0	−8.8	−19.3	21.2	245.4	14.1	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
21	G65B_037_037de	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.375	0.342	32.6	−10.6	−14.7	18.2	234.3	0.0	0.234	0.199	35.4	−6.6	−27.5	28.3	256.4	13.6	205	0.0	1.0	0.912	53.7	−28.3	−39.4	48.5	234.3
22	G75B_050_050de	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.496	0.5	36.0	−11.3	−23.6	26.2	244.3	0.0	0.287	0.311	36.1	−3.4	−36.0	36.2	264.5	14.7	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
23	G80B_062_062de	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.508	0.625	39.6	−11.4	−32.8	34.8	250.7	0.006	0.387	0.463	36.4	0.1	−44.8	44.8	270.2	17.0	220	0.0	0.814	1.0	51.4	−18.3	−52.5	55.6	250.7
24	G84B_075_075de	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.544	0.75	43.3	−11.4	−41.1	42.6	254.3	0.011	0.466	0.623	36.3	4.3	−50.2	50.4	274.9	19.5	225	0.0	0.725	1.0	51.1	−15.3	−54.8	56.9	254.3
25	G86B_087_087de	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.585	0.875	46.3	−11.0	−48.4	49.7	257.1	0.006	0.498	0.746	35.3	8.8	−51.6	52.4	279.7	23.0	228	0.0	0.668	1.0	50.1	−12.6	−55.3	56.8	257.1
26	G88B_100_100de	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.631	1.0	49.4	−10.8	−55.7	56.7	258.9	0.0	0.63	1.0	35.8	8.1	−51.5	52.1	278.9	23.7	231	0.0	0.631	1.0	49.4	−10.8	−55.7	56.7	258.9
27	G00B_037_037de	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.023	32.7	−22.0	7.0	23.1	162.2	0.0	0.25	0.0	38.3	−29.9	8.8	31.2	163.5	9.8	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
28	G15B_037_037de	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.122	32.8	−19.2	0.1	19.2	179.5	0.0	0.273	0.044	36.5	−26.7	−3.1	26.9	186.6	8.9	168	0.0	1.0	0.325	54.1	−51.3	0.3	51.3	179.5
29	G34B_037_037de	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.375	0.207	33.4	−15.8	−5.6	16.8	199.6	0.024	0.288	0.139	37.2	−20.0	−16.0	25.6	218.6	11.7	183	0.0	1.0	0.554	55.6	−42.2	−15.0	44.8	199.6
30	G50B_037_037de	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.271	33.5	−13.0	−9.7	16.2	216.9	0.021	0.271	0.173	39.2	−14.3	−27.5	31.0	242.4	18.7	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
31	G61B_050_050de	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.5	0.435	37.2	−15.1	−17.8	23.4	229.7	0.032	0.354	0.284	39.2	−9.3	−35.8	37.0	255.3	18.9	203	0.0	1.0	0.871	54.4	−30.2	−35.7	46.8	229.7
32	G69B_062_062de	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.625	0.59	40.7	−16.5	−26.4	31.2	237.9	0.025	0.42	0.391	40.8	−6.2	−42.8	43.2	261.6	19.3	207	0.0	1.0	0.945	53.1	−26.4	−42.3	49.9	237.9
33	G75B_075_075de	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.744	0.75	44.0	−17.0	−35.4	39.3	244.3	0.01	0.509	0.517	41.8	−2.7	−50.9	50.9	266.9	21.1	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
34	G79B_087_087de	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.753	0.875	47.5	−17.2	−44.7	47.9	248.9	0.004	0.564	0.705	41.9	−0.7	−53.0	53.0	269.1	19.2	217	0.0	0.861	1.0	51.4	−19.6	−51.0	54.7	248.9
35	G81B_100_100de	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.79	1.0	51.5	−17.6	−53.3	56.1	251.6	0.0	0.749	0.977	40.2	1.2	−53.5	53.5	271.3	22.0	221	0.0	0.79	1.0	51.5	−17.6	−53.3	56.1	251.6
36	G00B_050_050de	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.031	36.9	−29.3	9.4	30.8	162.2	0.0	0.375	0.0	41.9	−54.1	17.3	56.8	162.2	26.4	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
37	G11B_050_050de	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.126	36.9	−26.5	2.3	26.6	175.0	0.007	0.365	0.069	42.4	−53.5	4.8	53.7	174.8	27.6	164	0.0	1.0	0.252	53.7	−53.1	4.6	53.3	175.0
38	G25B_050_050de	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.224	37.5	−23.3	−3.9	23.7	189.6	0.05	0.392	0.165	40.6	−36.7	−10.3	38.1	195.6	15.1	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
39	G38B_050_050de	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.5	0.3	37.9	−20.1	−9.0	22.0	204.2	0.067	0.405	0.23	42.0	−27.9	−24.4	37.1	221.1	17.7	186	0.0	1.0	0.601	55.8	−40.2	−18.0	44.1	204.2
40	G50B_050_050de	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.361	38.0	−17.3	−13.0	21.7	216.9	0.07	0.397	0.269	43.3	−16.7	−35.4	39.1	244.7	23.0	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
41	G59B_062_062de	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.625	0.523	41.8	−19.5	−20.9	28.6	227.0	0.057	0.461	0.358	43.7	−14.4	−41.4	43.8	250.8	21.1	201	0.0	1.0	0.837	54.8	−31.2	−33.5	45.8	227.0
42	G65B_075_075de	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.75	0.684	45.2	−21.2	−29.5	36.4	234.3	0.038	0.532	0.471	46.4	−11.5	−49.1	50.4	256.7	21.8	205	0.0	1.0	0.912	53.7	−28.3	−39.4	48.5	234.3
43	G70B_087_087de	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.875	0.841	48.7	−22.2	−38.3	44.3	239.7	0.023	0.602	0.604	47.0	−7.5	−54.3	54.8	262.0	21.8	208	0.0	1.0	0.961	52.8	−25.4	−43.7	50.6	239.7
44	G75B_100_100de	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3	0.014	0.874	0.924	45.3	−5.0	−54.6	54.9	264.7	20.2	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
45	G00B_062_062de	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.039	41.1	−36.7	11.7	38.5	162.2	0.071	0.473	0.06	46.5	−61.0	20.5	64.4	161.4	26.4	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
46	G09B_062_062de	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.131	41.0	−34.1	4.6	34.5	172.2	0.066	0.47	0.121	46.6	−66.0	11.4	67.0	170.1	33.0	161	0.0	1.0	0.21	53.7	−54.7	7.4	55.2	172.2
47	G19B_062_062de	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.238	41.5	−31.0	−1.7	31.0	183.2	0.068	0.487	0.189	47.6	−61.4	−2.5	61.4	182.3	30.9	172	0.0	1.0	0.381	54.4	−49.6	−2.7	49.7	183.2
48	G30B_062_062de	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.323	42.2	−27.3	−7.8	28.4	195.9	0.075	0.504	0.255	48.1	−47.8	−16.6	50.6	199.2	23.1	181	0.0	1.0	0.517	55.5	−43.6	−12.5	45.4	195.9
49	G40B_062_062de	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.625	0.393	42.4	−24.3	−12.3	27.3	206.9	0.076	0.501	0.297	49.9	−38.9	−30.4	49.3	218.0	24.3	188	0.0	1.0	0.629	55.9	−39.0	−19.8	43.7	206.9
50	G50B_062_062de	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.452	42.5	−21.6	−16.3	27.1	216.9	0.075	0.49	0.331	49.0	−24.1	−40.9	47.5	239.4	25.5	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
51	G57B_075_075de	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.75	0.611	46.3	−23.9	−24.0	33.9	225.1	0.064	0.557	0.437	49.4	−21.4	−45.2	50.0	244.6	21.5	200	0.0	1.0	0.815	55.1	−31.8	−32.1	45.2	225.1
52	G63B_087_087de	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.875	0.777	49.8	−25.8	−32.5	41.5	231.5	0.074	0.749	0.623	49.8	−16.0	−52.0	54.4	252.8	21.7	204	0.0	1.0	0.888	54.1	−29.5	−37.2	47.5	231.5
53	G68B_100_100de	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	1.0	0.937	53.2	−26.9	−41.6	49.6	237.0	0.025	0.874	0.847	49.3	−10.5	−55.7	56.7	259.2	21.9	206	0.0	1.0	0.937	53.2	−26.9	−41.6	49.6	237.0
54	G00B_075_075de	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.047	45.4	−44.0	14.1	46.2	162.2	0.079	0.576	0.076	50.1	−64.7	21.1	68.1	161.9	22.3	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
55	G07B_075_075de	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.136	45.2	−41.7	7.0	42.3	170.4	0.071	0.571	0.139	48.9	−66.7	12.6	67.9	169.2	25.8	159	0.0	1.0	0.182	53.6	−55.6	9.3	56.4	170.4
56	G15B_075_075de	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.244	45.6	−38.4	0.2	38.4	179.5	0.074	0.577	0.21	48.8	−61.2	0.1	61.2	179.9	23.0	168	0.0	1.0	0.325	54.1	−51.3	0.3	51.3	179.5
57	G25B_075_075de	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.337	46.2	−35.0	−5.9	35.5	189.6	0.079	0.585	0.276	49.9	−51.9	−12.9	53.5	194.0	18.6	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
58	G34B_075_075de	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.75	0.415	46.7	−31.6	−11.3	33.6	199.6	0.08	0.587	0.329	51.0	−42.7	−24.4	49.2	209.8	17.6	183	0.0	1.0	0.554	55.6	−42.2	−15.0	44.8	199.6
59	G42B_075_075de	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.75	0.484	46.9	−28.7	−15.7	32.7	208.7	0.08	0.585	0.371	51.6	−34.0	−34.2	48.2	225.1	19.7	189	0.0	1.0	0.646	55.9	−38.3	−21.0	43.6	208.7
60	G50B_075_075de	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.542	47.0	−26.0	−19.5	32.5	216.9	0.079	0.576	0.406	51.1	−26.7	−43.2	50.8	238.2	23.9	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
61	G56B_087_087de	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.875	0.703	50.9	−28.1	−27.4	39.3	224.2	0.066	0.65	0.517	51.1	−22.6	−47.7	52.8	244.6	20.9	199	0.0	1.0	0.804	55.3	−32.1	−31.3	44.9	224.2
62	G61B_100_100de	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	1.0	0.871	54.4	−30.2	−35.7	46.8	229.7	0.0	1.0	0.872	51.5	−16.4	−54.5	56.9	253.2	23.5	203	0.0	1.0	0.871	54.4	−30.2	−35.7	46.8	229.7
63	G00B_087_087de	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.055	49.6	−51.3	16.4	53.9	162.2	0.073	0.749	0.076	51.7	−63.6	22.2	67.4	160.7	13.7	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
64	G06B_087_087de	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.147	49.4	−49.1	9.0	49.9	169.5	0.065	0.749	0.153	51.4	−60.6	12.4	61.9	168.3	12.1	159	0.0	1.0	0.168	53.6	−56.1	10.3	57.1	169.5
65	G13B_087_087de	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.246	49.6	−45.9	2.5	45.9	176.8	0.071	0.749	0.25	51.4	−56.9	1.8	56.9	178.1	11.1	165	0.0	1.0	0.281	53.9	−52.4	2.9	52.5	176.8
66	G20B_087_087de	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.35	50.3	−42.7	−3.7	42.9	185.0	0.073	0.698	0.298	52.5	−51.1	−7.0	51.5	187.8	9.2	173	0.0	1.0	0.4	54.6	−48.8	−4.3	49.0	185.0
67	G29B_087_087de	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.436	51.0	−38.8	−9.8	40.0	194.1	0.076	0.7	0.362	53.1	−43.1	−19.1	47.1	203.9	10.5	179	0.0	1.0	0.498	55.4	−44.3	−11.2	45.7	194.1
68	G36B_087_087de	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.875	0.509	51.3	−35.9	−14.8	38.8	202.3	0.078	0.749	0.41	53.7	−36.7	−26.5	45.3	215.8	12.0	185	0.0	1.0	0.582	55.7	−41.0	−16.9	44.4	202.3
69	G43B_087_087de	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.875	0.573	51.4	−33.1	−18.9	38.2	209.6	0.075	0.687	0.448	52.7	−32.3	−35.0	47.6	227.2	16.1	190	0.0	1.0	0.654	55.9	−37.9	−21.6	43.6	209.6
70	G50B_087_087de	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.632	51.5	−30.3	−22.8	38.0	216.9	0.074	0.674	0.483	51.1	−24.9	−45.7	52.0	241.3	23.4	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
71	G55B_100_100de	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	1.0	0.793	55.4	−32.4	−30.6	44.6	223.3	0.045	0.874	0.704	51.4	−20.0	−50.6	54.4	248.3	23.8	198	0.0	1.0	0.793	55.4	−32.4	−30.6	44.6	223.3
72	G00B_100_100de	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2	0.041	0.874	0.077	54.1	−59.5	24.4	64.3	157.6	5.6	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
73	G05B_100_100de	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.153	53.6	−56.6	11.4	57.7	168.6	0.038	0.874	0.164	53.6	−57.4	13.5	59.0	166.7	2.3	158	0.0	1.0	0.153	53.6	−56.6	11.4	57.7	168.6
74	G11B_100_100de	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.252	53.7	−53.1	4.6	53.3	175.0	0.0	0.999	0.254	53.7	−53.2	4.8	53.4	174.8	0.1	164	0.0	1.0	0.252	53.7	−53.1	4.6	53.3	175.0
75	G18B_100_100de	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.369	54.4	−50.0	−2.0	50.0	182.3	0.004	0.993	0.369	54.4	−49.8	−2.2	49.9	182.6	0.3	171	0.0	1.0	0.369	54.4	−50.0	−2.0	50.0	182.3
76	G25B_100_100de	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6	0.046	0.874	0.402	55.4	−44.3	−11.3	45.7	194.3	4.2	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
77	G31B_100_100de	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.526	55.5	−43.3	−13.1	45.3	196.9	0.048	0.874	0.461	55.9	−39.1	−19.5	43.7	206.4	7.6	181	0.0	1.0	0.526	55.5	−43.3	−13.1	45.3	196.9
78	G38B_100_100de	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.601	55.8	−40.2	−18.0	44.1	204.2	0.047	0.874	0.521	56.0	−33.2	−27.7	43.3	219.8	11.9	186	0.0	1.0	0.601	55.8	−40.2	−18.0	44.1	204.2
79	G44B_100_100de	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.663	55.9	−37.5	−22.2	43.6	210.5	0.04	0.874	0.59	54.4	−30.1	−36.0	46.9	230.0	15.7	190	0.0	1.0	0.663	55.9	−37.5	−22.2	43.6	210.5
80	G50B_100_100de	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9	0.046	0.874	0.642	52.1	−22.8	−47.0	52.2	244.1	24.3	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9

Mean color difference of this page: delta 17.4

1−1131930−F0

RE670−7N, Page 20/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

input: *rgb/cmyk* −> *rgb*$_{\mathrm{de}}$
output: 3D-linearization to *cmyk**$_{\mathrm{de}}$

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1131930−F0

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 21/33

n	HIC*$_{\mathrm{Fde}}$	*rgb*$_{\mathrm{\_Fde}}$			*ict*$_{\mathrm{\_Fde}}$			*h*$_{\mathrm{si\_F,de}}$	*rgb**$_{\mathrm{Fde}}$			*LabCh**$_{\mathrm{Fde}}$					*rgb'**$_{\mathrm{Fde}}$			*LabCh'**$_{\mathrm{Fde}}$					*DE'**$_{\mathrm{Fde}}$	*h*$_{\mathrm{siM,de}}$	*rgb**$_{\mathrm{Mde}}$			*LabCh**$_{\mathrm{Mde}}$				
81	R00Y_012_012$_{\mathrm{de}}$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	23.2	7.7	3.6	8.5	25.4	0.142	0.0	0.022	22.5	5.6	4.9	7.4	41.4	2.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
82	B50R_012_012$_{\mathrm{de}}$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.068	0.0	0.125	22.0	6.4	−3.9	7.5	328.6	0.05	0.0	0.064	25.9	10.2	−4.8	11.3	334.5	5.4	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
83	B25R_025_025$_{\mathrm{de}}$	0.125	0.0	0.25	0.25	0.25	0.125	300	0.0	0.0	0.25	23.1	6.4	−11.1	12.8	300.1	0.0	0.0	0.125	26.8	13.7	−14.8	20.2	312.6	8.9	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
84	B15R_037_037$_{\mathrm{de}}$	0.125	0.0	0.375	0.375	0.375	0.187	289	0.0	0.047	0.375	25.4	6.4	−18.0	19.1	289.7	0.043	0.022	0.249	28.2	16.8	−22.5	28.1	306.8	11.6	263	0.0	0.125	1.0	34.5	17.2	−48.1	51.1	289.7
85	B11R_050_050$_{\mathrm{de}}$	0.125	0.0	0.5	0.5	0.5	0.25	284	0.0	0.09	0.5	27.5	6.6	−24.9	25.8	285.0	0.014	0.033	0.329	28.8	26.6	−31.9	41.5	309.8	21.1	260	0.0	0.18	1.0	35.1	13.3	−49.8	51.6	285.0
86	B09R_062_062$_{\mathrm{de}}$	0.125	0.0	0.625	0.625	0.625	0.312	281	0.0	0.133	0.625	29.6	6.8	−31.6	32.4	282.1	0.0	0.052	0.4	28.5	33.1	−35.7	48.8	312.8	26.6	258	0.0	0.213	1.0	35.4	10.9	−50.7	51.8	282.1
87	B07R_075_075$_{\mathrm{de}}$	0.125	0.0	0.75	0.75	0.75	0.375	279	0.0	0.176	0.75	31.7	6.9	−38.4	39.0	280.2	0.0	0.096	0.476	29.4	34.5	−39.4	52.4	311.2	27.7	257	0.0	0.235	1.0	35.6	9.2	−51.2	52.0	280.2
88	B06R_087_087$_{\mathrm{de}}$	0.125	0.0	0.875	0.875	0.875	0.437	278	0.0	0.215	0.875	33.8	7.3	−45.0	45.6	279.3	0.0	0.149	0.574	30.2	34.4	−40.9	53.5	310.0	27.6	256	0.0	0.246	1.0	35.8	8.4	−51.4	52.1	279.3
89	B05R_100_100$_{\mathrm{de}}$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.26	1.0	36.2	7.6	−51.7	52.2	278.3	0.001	0.266	0.869	31.4	32.0	−42.2	53.0	307.1	26.6	255	0.0	0.26	1.0	36.2	7.6	−51.7	52.2	278.3
90	Y00G_012_012$_{\mathrm{de}}$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.116	0.0	28.3	−0.3	7.7	7.7	92.3	0.152	0.127	0.022	28.7	−1.6	7.9	8.1	101.8	1.4	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
91	NW_012$_{\mathrm{de}}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	24.5	0.7	−0.8	1.1	312.2	4.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
92	B00R_025_012$_{\mathrm{de}}$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.171	0.25	31.8	0.2	−6.6	6.6	271.7	0.164	0.194	0.204	28.7	4.1	−14.4	15.0	286.0	9.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
93	B00R_037_025$_{\mathrm{de}}$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.217	0.375	34.3	0.4	−13.3	13.3	271.7	0.173	0.226	0.286	31.2	6.6	−22.5	23.4	286.4	11.4	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
94	B00R_050_037$_{\mathrm{de}}$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.263	0.5	36.8	0.6	−20.0	20.0	271.7	0.166	0.252	0.368	35.1	11.5	−28.5	30.7	292.0	13.9	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
95	B00R_062_050$_{\mathrm{de}}$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.309	0.625	39.3	0.8	−26.7	26.7	271.7	0.14	0.269	0.473	37.2	17.8	−35.3	39.6	296.7	19.1	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
96	B00R_075_062$_{\mathrm{de}}$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.355	0.75	41.8	1.0	−33.4	33.4	271.7	0.107	0.293	0.591	38.3	19.4	−41.1	45.5	295.3	20.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
97	B00R_087_075$_{\mathrm{de}}$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.401	0.875	44.2	1.2	−40.1	40.1	271.7	0.102	0.338	0.731	36.1	23.1	−44.7	50.4	297.3	23.9	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
98	B00R_100_087$_{\mathrm{de}}$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.447	1.0	46.7	1.4	−46.8	46.8	271.7	0.148	0.42	0.856	34.5	25.2	−44.9	51.6	299.3	26.8	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
99	Y50G_025_025$_{\mathrm{de}}$	0.125	0.25	0.0	0.25	0.25	0.125	120	0.104	0.25	0.0	32.4	−9.1	11.9	15.0	127.2	0.125	0.25	0.0	34.7	−8.0	12.3	14.7	123.1	2.6	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
100	G00B_025_012$_{\mathrm{de}}$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.132	33.5	−7.3	2.3	7.7	162.2	0.11	0.238	0.095	34.8	−6.9	0.6	6.9	174.4	2.1	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
101	G50B_025_012$_{\mathrm{de}}$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.215	33.8	−4.3	−3.2	5.4	216.9	0.148	0.237	0.168	34.1	−5.5	−14.6	15.6	249.3	11.4	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
102	G75B_037_025$_{\mathrm{de}}$	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.373	0.375	37.3	−5.6	−11.8	13.1	244.3	0.171	0.316	0.287	37.0	−1.4	−22.3	22.3	266.3	11.3	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
103	G84B_050_037$_{\mathrm{de}}$	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.397	0.5	40.9	−5.7	−20.5	21.3	254.3	0.168	0.359	0.374	39.3	1.5	−28.7	28.7	273.0	11.0	225	0.0	0.725	1.0	51.1	−15.3	−54.8	56.9	254.3
104	G88B_062_050$_{\mathrm{de}}$	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.44	0.625	44.0	−5.4	−27.8	28.3	258.9	0.154	0.415	0.503	42.4	4.9	−33.4	33.8	278.4	11.9	231	0.0	0.631	1.0	49.4	−10.8	−55.7	56.7	258.9
105	G90B_075_062$_{\mathrm{de}}$	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.48	0.75	46.5	−5.0	−34.5	34.9	261.6	0.117	0.444	0.635	43.6	7.7	−39.9	40.6	280.9	14.1	235	0.0	0.569	1.0	47.5	−8.0	−55.3	55.9	261.6
106	G92B_087_075$_{\mathrm{de}}$	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.52	0.875	48.9	−4.6	−41.2	41.4	263.5	0.116	0.494	0.778	39.1	14.2	−47.8	49.9	286.5	22.3	238	0.0	0.527	1.0	46.2	−6.2	−54.9	55.3	263.5
107	G93B_100_087$_{\mathrm{de}}$	0.125	0.25	1.0	1.0	0.875	0.562	262	0.125	0.568	1.0	51.6	−4.6	−47.9	48.1	264.4	0.17	0.601	0.931	37.8	17.5	−46.9	50.0	290.4	26.1	239	0.0	0.506	1.0	45.5	−5.3	−54.7	55.0	264.4
108	Y68G_037_037$_{\mathrm{de}}$	0.125	0.375	0.0	0.375	0.375	0.187	131	0.105	0.375	0.0	36.1	−17.3	14.4	22.5	140.0	0.094	0.304	0.0	38.4	−23.5	16.8	28.9	144.4	7.0	134	0.28	1.0	0.0	63.1	−46.1	38.6	60.2	140.0
109	G00B_037_025$_{\mathrm{de}}$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.14	37.7	−14.6	4.7	15.4	162.2	0.149	0.358	0.118	37.4	−17.6	2.7	17.8	171.0	3.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
110	G25B_037_025$_{\mathrm{de}}$	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.237	38.0	−11.6	−1.9	11.8	189.6	0.166	0.365	0.199	36.2	−13.2	−8.7	15.8	213.5	7.2	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
111	G50B_037_025$_{\mathrm{de}}$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.305	38.3	−8.6	−6.5	10.8	216.9	0.183	0.358	0.255	41.1	−8.1	−22.8	24.2	250.4	16.5	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
112	G65B_050_037$_{\mathrm{de}}$	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.5	0.467	41.9	−10.6	−14.7	18.2	234.3	0.164	0.421	0.335	42.1	−4.9	−28.3	28.8	260.2	14.7	205	0.0	1.0	0.912	53.7	−28.3	−39.4	48.5	234.3
113	G75B_062_050$_{\mathrm{de}}$	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.621	0.625	45.3	−11.3	−23.6	26.2	244.3	0.14	0.492	0.441	44.8	−2.3	−32.7	32.8	265.8	12.8	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
114	G80B_075_062$_{\mathrm{de}}$	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.633	0.75	48.9	−11.4	−32.8	34.8	250.7	0.116	0.553	0.59	46.2	−0.4	−38.1	38.1	269.3	12.5	220	0.0	0.814	1.0	51.4	−18.3	−52.5	55.6	250.7
115	G84B_087_075$_{\mathrm{de}}$	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.669	0.875	52.6	−11.4	−41.1	42.6	254.3	0.114	0.644	0.778	44.3	2.6	−49.9	50.0	273.0	18.6	225	0.0	0.725	1.0	51.1	−15.3	−54.8	56.9	254.3
116	G86B_100_087$_{\mathrm{de}}$	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.71	1.0	55.6	−11.0	−48.4	49.7	257.1	0.147	0.743	0.948	39.8	7.0	−50.9	51.4	277.8	24.2	228	0.0	0.668	1.0	50.1	−12.6	−55.3	56.8	257.1
117	Y76G_050_050$_{\mathrm{de}}$	0.125	0.5	0.0	0.5	0.5	0.25	136	0.108	0.5	0.0	40.1	−25.0	16.9	30.2	145.9	0.144	0.429	0.027	41.9	−36.4	22.2	42.7	148.5	12.6	138	0.217	1.0	0.0	60.3	−50.1	33.9	60.5	145.9
118	G00B_050_037$_{\mathrm{de}}$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.148	42.0	−22.0	7.0	23.1	162.2	0.142	0.476	0.119	42.4	−23.8	6.0	24.6	165.7	2.1	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
119	G15B_050_037$_{\mathrm{de}}$	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.247	42.1	−19.2	0.1	19.2	179.5	0.149	0.473	0.195	42.9	−20.8	−5.5	21.6	194.8	5.9	168	0.0	1.0	0.325	54.1	−51.3	0.3	51.3	179.5
120	G34B_050_037$_{\mathrm{de}}$	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.5	0.332	42.6	−15.8	−5.6	16.8	199.6	0.17	0.468	0.266	44.1	−14.6	−18.2	23.4	231.2	12.7	183	0.0	1.0	0.554	55.6	−42.2	−15.0	44.8	199.6
121	G50B_050_037$_{\mathrm{de}}$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.396	42.8	−13.0	−9.7	16.2	216.9	0.176	0.452	0.305	46.1	−10.0	−29.7	31.3	251.2	20.4	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
122	G61B_062_050$_{\mathrm{de}}$	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.625	0.56	46.5	−15.1	−17.8	23.4	229.7	0.151	0.534	0.401	48.2	−6.9	−34.3	35.0	258.5	18.4	203	0.0	1.0	0.871	54.4	−30.2	−35.7	46.8	229.7
123	G69B_075_062$_{\mathrm{de}}$	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.75	0.715	49.9	−16.5	−26.4	31.2	237.9	0.123	0.611	0.518	49.3	−4.8	−38.4	38.7	262.7	16.7	207	0.0	1.0	0.945	53.1	−26.4	−42.3	49.9	237.9
124	G75B_087_075$_{\mathrm{de}}$	0.125	0.5	0.875	0.875	0.75	0.5	240	0.125	0.869	0.875	53.3	−17.0	−35.4	39.3	244.3	0.113	0.677	0.675	49.5	−3.5	−47.0	47.1	265.7	18.2	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
125	G79B_100_087$_{\mathrm{de}}$	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.878	1.0	56.7	−17.2	−44.7	47.9	248.9	0.118	0.825	0.896	45.0	−1.1	−52.6	52.6	268.7	21.4	217	0.0	0.861	1.0	51.4	−19.6	−51.0	54.7	248.9
126	Y81G_062_062$_{\mathrm{de}}$	0.125	0.625	0.0	0.625	0.625	0.312	139	0.105	0.625	0.0	44.2	−32.7	19.3	38.0	149.4	0.149	0.535	0.04	47.7	−47.6	26.0	54.3	151.3	16.7	140	0.169	1.0	0.0	58.7	−52.3	30.9	60.8	149.4
127	G00B_062_050$_{\mathrm{de}}$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.156	46.2	−29.3	9.4	30.8	162.2	0.131	0.582	0.121	47.9	−32.1	9.9	33.6	162.7	3.3	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
128	G11B_062_050$_{\mathrm{de}}$	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.251	46.1	−26.5	2.3	26.6	175.0	0.137	0.575	0.2	48.1	−29.7	−0.7	29.7	181.5	4.8	164	0.0	1.0	0.252	53.7	−53.1	4.6	53.3	175.0
129	G25B_062_050$_{\mathrm{de}}$	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.349	46.8	−23.3	−3.9	23.7	189.6	0.152	0.572	0.275	48.9	−24.0	−13.0	27.3	208.4	9.3	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
130	G38B_062_050$_{\mathrm{de}}$	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.625	0.425	47.2	−20.1	−9.0	22.0	204.2	0.16	0.565	0.328	50.2	−17.6	−24.6	30.3	234.4	16.1	186	0.0	1.0	0.601	55.8	−40.2	−18.0	44.1	204.2
131	G50B_062_050$_{\mathrm{de}}$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.486	47.3	−17.3	−13.0	21.7	216.9	0.165	0.554	0.367	51.6	−13.7	−34.1	36.7	248.0	21.7	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
132	G59B_075_062$_{\mathrm{de}}$	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.75	0.648	51.0	−19.5	−20.9	28.6	227.0	0.139	0.638	0.475	52.2	−9.7	−39.4	40.6	256.0	20.8	201	0.0	1.0	0.837	54.8	−31.2	−33.5	45.8	227.0
133	G65B_087_075$_{\mathrm{de}}$	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.875	0.809	54.5	−21.2	−29.5	36.4	234.3	0.124	0.708	0.607	52.2	−7.7	−45.2	45.9	260.2	20.7	205	0.0	1.0	0.912	53.7	−28.3	−39.4	48.5	234.3
134	G70B_100_087$_{\mathrm{de}}$	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	1.0	0.966	58.0	−22.2	−38.3	44.3	239.7	0.12	0.849	0.812	49.9	−5.8	−53.3	53.6	263.7	23.6	208	0.0	1.0	0.961	52.8	−25.4	−43.7	50.6	239.7
135	Y85G_075_075$_{\mathrm{de}}$	0.125	0.75	0.0	0.75	0.75	0.375	141	0.103	0.75	0.0	48.2	−40.2	21.6	45.7	151.7	0.145	0.624	0.042	52.4	−53.0	28.5	60.2	151.7	15.0	142	0.137	1.0	0.0	57.6	−53.7	28.8	61.0	151.7
136	G00B_075_062$_{\mathrm{de}}$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.164	50.4	−36.7	11.7	38.5	162.2	0.119	0.688	0.123	53.0	−37.5	12.9	39.7	160.9	3.0	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
137	G09B_075_062$_{\mathrm{de}}$	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.256	50.3	−34.1	4.6	34.5	172.2	0.122	0.683	0.21	53.0	−36.1	4.1	36.3	173.4	3.3	161	0.0	1.0	0.21	53.7	−54.7	7.4	55.2	172.2
138	G19B_075_062$_{\mathrm{de}}$	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.363	50.8	−31.0	−1.7	31.0	183.2	0.133	0.68	0.288	54.4	−34.3	−6.7	35.0	191.1	7.0	172	0.0	1.0	0.381	54.4	−49.6	−2.7	49.7	183.2
139	G30B_075_062$_{\mathrm{de}}$	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.448	51.4	−27.3	−7.8	28.4	195.9	0.146	0.67	0.354	55.9	−27.7	−19.0	33.7	214.4	12.1	181	0.0	1.0	0.517	55.5	−43.6	−12.5	45.4	195.9
140	G40B_075_062$_{\mathrm{de}}$	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.75	0.518	51.7	−24.3	−12.3	27.3	206.9	0.151	0.662	0.401	56.0	−23.8	−29.3	37.8	230.8	17.4	188	0.0	1.0	0.629	55.9	−39.0	−19.8	43.7	206.9
141	G50B_075_062$_{\mathrm{de}}$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.577	51.7	−21.6	−16.3	27.1	216.9	0.153	0.651	0.438	55.9	−17.6	−38.2	42.1	245.2	22.6	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
142	G57B_087_075$_{\mathrm{de}}$	0.125	0.75	0.875	0.875	0.75	0.5	219	0.125	0.875	0.736	55.6	−23.9	−24.0	33.9	225.1	0.136	0.732	0.557	55.3	−12.9	−44.8	46.6	253.8	23.4	200	0.0	1.0	0.815	55.1	−31.8	−32.1	45.2	225.1
143	G63B_100_087$_{\mathrm{de}}$	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	1.0	0.902	59.1	−25.8	−32.5	41.5	231.5	0.133	0.861	0.745	54.6	−11.2	−51.6	52.8	257.6	24.4	204	0.0	1.0	0.888	54.1	−29.5	−37.2	47.5	231.5
144	Y86G_087_087$_{\mathrm{de}}$	0.125	0.875	0.0	0.875	0.875	0.437	142	0.104	0.875	0.0	52.4	−47.6	24.4	53.5	152.9	0.131	0.738	0.034	57.4	−54.5	30.7	62.6	150.5	10.6	143	0.118	1.0	0.0	57.0	−54.5	27.8	61.2	152.9
145	G00B_087_075$_{\mathrm{de}}$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.172	54.6	−44.0	14.1	46.2	162.2	0.116	0.796	0.139	58.3	−51.1	19.4	54.7	159.1	9.6	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
146	G07B_087_075$_{\mathrm{de}}$	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.261	54.5	−41.7	7.0	42.3	170.4	0.117	0.792	0.23	58.3	−47.7	8.8	48.5	169.5	7.3	159	0.0	1.0	0.182	53.6	−55.6	9.3	56.4	170.4
147	G15B_087_075$_{\mathrm{de}}$	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.369	54.9	−38.4	0.2	38.4	179.5	0.123	0.783	0.307	58.4	−43.0	−3.3	43.1	184.4	6.8	168	0.0	1.0	0.325	54.1	−51.3	0.3	51.3	179.5
148	G25B_087_075$_{\mathrm{de}}$	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.462	55.5	−35.0	−5.9	35.5	189.6	0.136	0.771	0.378	59.4	−37.0	−14.3	39.7	201.1	9.4	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
149	G34B_087_075$_{\mathrm{de}}$	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.875	0.54	56.0	−31.6	−11.3	33.6	199.6	0.138	0.765	0.432	59.7	−31.9	−23.1	39.4	215.8	12.3	183	0.0	1.0	0.554	55.6	−42.2	−15.0	44.8	199.6
150	G42B_087_075$_{\mathrm{de}}$	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.875	0.609	56.2	−28.7	−15.7	32.7	208.7	0.138	0.755	0.475	59.2	−27.2	−32.3	42.2	229.8	16.8	189	0.0	1.0	0.646	55.9	−38.3	−21.0	43.6	208.7
151	G50B_087_075$_{\mathrm{de}}$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.667	56.2	−26.0	−19.5	32.5	216.9	0.141	0.744	0.513	58.5	−20.3	−42.3	46.9	244.3	23.5	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
152	G56B_100_087$_{\mathrm{de}}$	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	1.0	0.828	60.1	−28.1	−27.4	39.3	224.2	0.144	0.87	0.684	57.3	−16.2	−49.6	52.2	251.8	25.3	199	0.0	1.0	0.804	55.3	−32.1	−31.3	44.9	224.2
153	Y88G_100_100$_{\mathrm{de}}$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.089	1.0	0.0	56.3	−55.7	27.1	61.9	154.0	0.1	0.871	0.021	57.2	−54.2	28.0	61.0	152.6	1.9	145	0.089	1.0	0.0	56.3	−55.7	27.1	61.9	154.0
154	G00B_100_087$_{\mathrm{de}}$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.18	58.9	−51.3	16.4	53.9	162.2	0.125	0.874	0.168	56.0	−54.6	19.8	58.1	160.0	5.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
155	G06B_100_087$_{\mathrm{de}}$	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.272	58.7	−49.1	9.0	49.9	169.5	0.122	0.874	0.25	55.7	−53.0	10.8	54.1	168.4	5.2	159	0.0	1.0	0.168	53.6	−56.1	10.3	57.1	169.5
156	G13B_100_087$_{\mathrm{de}}$	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.371	58.9	−45.9	2.5	45.9	176.8	0.125	0.874	0.32	57.1	−47.7	1.6	47.7	178.0	2.7	165	0.0	1.0	0.281	53.9	−52.4	2.9	52.5	176.8
157	G20B_100_087$_{\mathrm{de}}$	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.475	59.5	−42.7	−3.7	42.9	185.0	0.138	0.874	0.376	57.5	−41.3	−10.2	42.6	193.9	6.9	173	0.0	1.0	0.4	54.6	−48.8	−4.3	49.0	185.0
158	G29B_100_087$_{\mathrm{de}}$	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.561	60.2	−38.8	−9.8	40.0	194.1	0.143	0.874	0.461	58.4	−35.3	−20.6	40.9	210.3	11.6	179	0.0	1.0	0.498	55.4	−44.3	−11.2	45.7	194.1
159	G36B_100_087$_{\mathrm{de}}$	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	1.0	0.634	60.5	−35.9	−14.8	38.8	202.3	0.144	0.874	0.52	58.2	−31.4	−27.2	41.5	220.9	13.4	185	0.0	1.0	0.582	55.7	−41.0	−16.9	44.4	202.3
160	G43B_100_087$_{\mathrm{de}}$	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	1.0	0.698	60.7	−33.1	−18.9	38.2	209.6	0.146	0.874	0.576	58.5	−25.3	−35.9	44.0	234.8	18.9	190	0.0	1.0	0.654	55.9	−37.9	−21.6	43.6	209.6
161	G50B_100_087$_{\mathrm{de}}$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	0.757	60.7	−30.3	−22.8	38.0	216.9	0.149	0.872	0.625	55.1	−21.2	−46.1	50.8	245.2	25.6	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
																	Mean color difference of this page:							**delta**	**13.9**									

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^*$

input: *rgb/cmyk* −> *rgb*$_{\mathrm{de}}$
output: 3D-linearization to *cmyk**$_{\mathrm{de}}$

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 22/33

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			*h*$_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	*h*$_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
162	R00Y_025_025$_{de}$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	26.5	15.4	7.3	17.1	25.4	0.27	0.0	0.042	25.9	11.7	10.1	15.4	40.7	4.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
163	R00Y_025_025$_{de}$	0.25	0.0	0.125	0.25	0.25	0.125	360	0.25	0.0	0.194	26.4	17.1	−2.3	17.3	352.0	0.25	0.0	0.16	26.2	14.4	0.4	14.4	1.9	3.9	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
164	B50R_025_025$_{de}$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.136	0.0	0.25	24.1	12.9	−7.9	15.1	328.6	0.125	0.0	0.125	27.9	21.6	−9.2	23.5	336.8	9.5	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
165	B34R_037_037$_{de}$	0.25	0.0	0.375	0.375	0.375	0.187	311	0.065	0.0	0.375	24.2	13.1	−15.3	20.1	310.5	0.125	0.0	0.25	28.8	25.4	−16.2	30.1	327.5	13.1	279	0.173	0.0	1.0	31.2	35.0	−40.8	53.8	310.5
166	B25R_050_050$_{de}$	0.25	0.0	0.5	0.5	0.5	0.25	300	0.001	0.0	0.5	26.1	12.9	−22.2	25.7	300.1	0.053	0.0	0.317	29.9	29.6	−22.9	37.4	322.2	17.1	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
167	B19R_062_062$_{de}$	0.25	0.0	0.625	0.625	0.625	0.312	293	0.0	0.049	0.625	28.6	12.7	−29.3	32.0	293.5	0.026	0.009	0.397	29.5	35.8	−29.5	46.4	320.4	23.0	265	0.0	0.079	1.0	33.7	20.4	−46.9	51.2	293.5
168	B15R_075_075$_{de}$	0.25	0.0	0.75	0.75	0.75	0.375	289	0.0	0.094	0.75	30.9	12.9	−36.1	38.3	289.7	0.022	0.057	0.478	30.3	38.5	−33.2	50.8	319.2	25.7	263	0.0	0.125	1.0	34.5	17.2	−48.1	51.1	289.7
169	B13R_087_087$_{de}$	0.25	0.0	0.875	0.875	0.875	0.437	286	0.0	0.138	0.875	33.0	13.0	−43.0	45.0	286.9	0.01	0.103	0.575	31.0	39.8	−37.2	54.5	316.8	27.4	261	0.0	0.158	1.0	34.9	14.9	−49.2	51.4	286.9
170	B11R_100_100$_{de}$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.18	1.0	35.1	13.3	−49.8	51.6	285.0	0.013	0.205	0.874	30.9	39.6	−38.3	55.1	315.9	29.0	260	0.0	0.18	1.0	35.1	13.3	−49.8	51.6	285.0
171	R50Y_025_025$_{de}$	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.097	0.0	31.2	8.1	13.4	15.7	58.8	0.293	0.102	0.027	29.5	2.6	14.0	14.2	79.1	5.7	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
172	R00Y_025_012$_{de}$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.125	0.124	32.5	7.7	3.6	8.5	25.4	0.281	0.155	0.153	28.5	7.0	3.9	8.1	29.1	4.0	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
173	B50R_025_012$_{de}$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.193	0.124	0.25	31.3	6.4	−3.9	7.5	328.6	0.222	0.155	0.202	32.8	12.5	−8.1	15.0	326.9	7.5	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
174	B25R_037_025$_{de}$	0.25	0.125	0.375	0.375	0.25	0.25	300	0.125	0.124	0.375	32.3	6.4	−11.1	12.8	300.1	0.198	0.162	0.267	33.5	14.4	−16.2	21.7	311.6	9.5	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
175	B15R_050_037$_{de}$	0.25	0.125	0.5	0.5	0.375	0.312	289	0.124	0.172	0.5	34.7	6.4	−18.0	19.1	289.7	0.202	0.194	0.364	34.8	19.7	−23.9	31.0	309.4	14.5	263	0.0	0.125	1.0	34.5	17.2	−48.1	51.1	289.7
176	B11R_062_050$_{de}$	0.25	0.125	0.625	0.625	0.5	0.375	284	0.125	0.215	0.625	36.8	6.6	−24.9	25.8	285.0	0.169	0.205	0.458	37.7	23.1	−30.4	38.2	307.2	17.4	260	0.0	0.18	1.0	35.1	13.3	−49.8	51.6	285.0
177	B09R_075_062$_{de}$	0.25	0.125	0.75	0.75	0.625	0.437	281	0.125	0.258	0.75	38.9	6.8	−31.6	32.4	282.1	0.119	0.207	0.558	39.4	27.0	−36.3	45.2	306.7	20.7	258	0.0	0.213	1.0	35.4	10.9	−50.7	51.8	282.1
178	B07R_087_075$_{de}$	0.25	0.125	0.875	0.875	0.75	0.5	279	0.125	0.301	0.875	41.0	6.9	−38.4	39.0	280.2	0.101	0.234	0.675	35.7	33.0	−41.0	52.7	308.8	26.7	257	0.0	0.235	1.0	35.6	9.2	−51.2	52.0	280.2
179	B06R_100_087$_{de}$	0.25	0.125	1.0	1.0	0.875	0.562	278	0.125	0.34	1.0	43.1	7.3	−45.0	45.6	279.3	0.136	0.315	0.829	35.5	32.5	−41.4	52.6	308.1	26.5	256	0.0	0.246	1.0	35.8	8.4	−51.4	52.1	279.3
180	Y00G_025_025$_{de}$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.233	0.0	36.7	−0.6	15.4	15.4	92.3	0.285	0.243	0.061	36.1	−3.9	19.5	19.9	101.4	5.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
181	Y00G_025_012$_{de}$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.241	0.124	37.6	−0.3	7.7	7.7	92.3	0.281	0.268	0.145	34.8	−1.2	7.5	7.6	99.5	3.0	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
182	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	35.0	2.2	−3.2	3.9	304.9	5.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
183	B00R_037_012$_{de}$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.296	0.375	41.0	0.2	−6.6	6.6	271.7	0.28	0.321	0.3	36.6	5.7	−17.3	18.2	288.3	12.7	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
184	B00R_050_025$_{de}$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.342	0.5	43.5	0.4	−13.3	13.3	271.7	0.287	0.348	0.366	39.5	9.3	−24.7	26.4	290.6	15.0	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
185	B00R_062_037$_{de}$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.388	0.625	46.0	0.6	−20.0	20.0	271.7	0.289	0.39	0.466	42.7	12.7	−29.7	32.3	293.1	15.8	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
186	B00R_075_050$_{de}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.434	0.75	48.5	0.8	−26.7	26.7	271.7	0.276	0.426	0.574	44.5	17.0	−35.9	39.8	295.3	19.1	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
187	B00R_087_062$_{de}$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.48	0.875	51.0	1.0	−33.4	33.4	271.7	0.261	0.464	0.718	39.8	23.5	−43.5	49.5	298.3	27.1	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
188	B00R_100_075$_{de}$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.526	1.0	53.5	1.2	−40.1	40.1	271.7	0.278	0.513	0.828	37.7	24.7	−43.6	50.1	299.6	28.6	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
189	Y31G_037_037$_{de}$	0.25	0.375	0.0	0.375	0.375	0.187	109	0.223	0.375	0.0	41.7	−10.0	22.0	24.1	114.4	0.263	0.392	0.032	39.5	−9.4	24.1	25.9	111.3	3.0	113	0.595	1.0	0.0	77.8	−26.7	58.7	64.5	114.4
190	Y50G_037_025$_{de}$	0.25	0.375	0.125	0.375	0.25	0.25	120	0.229	0.375	0.124	41.7	−9.1	11.9	15.0	127.2	0.245	0.38	0.109	42.0	−8.2	10.4	13.3	128.2	1.7	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
191	G00B_037_012$_{de}$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.257	42.8	−7.3	2.3	7.7	162.2	0.257	0.39	0.216	41.8	−6.1	−1.6	6.3	194.6	4.2	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
192	G50B_037_012$_{de}$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.34	43.0	−4.3	−3.2	5.4	216.9	0.271	0.37	0.273	42.6	−3.9	−16.8	17.3	256.7	13.6	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
193	G75B_050_025$_{de}$	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.498	0.5	46.6	−5.6	−11.8	13.1	244.3	0.275	0.441	0.37	44.1	0.1	−24.2	24.2	270.3	13.9	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
194	G84B_062_037$_{de}$	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.522	0.625	50.2	−5.7	−20.5	21.3	254.3	0.276	0.493	0.476	47.1	3.4	−30.0	30.2	276.5	13.5	225	0.0	0.725	1.0	51.1	−15.3	−54.8	56.9	254.3
195	G88B_075_050$_{de}$	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.565	0.75	53.3	−5.4	−27.8	28.3	258.9	0.268	0.555	0.599	48.5	5.4	−35.6	36.0	278.7	14.2	231	0.0	0.631	1.0	49.4	−10.8	−55.7	56.7	258.9
196	G90B_087_062$_{de}$	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.605	0.875	55.8	−5.0	−34.5	34.9	261.6	0.263	0.604	0.731	46.8	11.2	−46.2	47.6	283.6	21.9	235	0.0	0.569	1.0	47.5	−8.0	−55.3	55.9	261.6
197	G92B_100_075$_{de}$	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.645	1.0	58.2	−4.6	−41.2	41.4	263.5	0.275	0.662	0.87	43.8	14.5	−46.4	48.6	287.3	24.5	238	0.0	0.527	1.0	46.2	−6.2	−54.9	55.3	263.5
198	Y50G_050_050$_{de}$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.208	0.5	0.0	44.8	−18.2	23.9	30.1	127.2	0.254	0.494	0.036	44.0	−20.1	28.4	34.8	125.3	4.9	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
199	Y68G_050_037$_{de}$	0.25	0.5	0.125	0.5	0.375	0.312	131	0.23	0.5	0.124	45.4	−17.3	14.4	22.5	140.0	0.234	0.487	0.104	47.1	−16.5	13.1	21.0	141.5	2.3	134	0.28	1.0	0.0	63.1	−46.1	38.6	60.2	140.0
200	G00B_050_025$_{de}$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.265	47.0	−14.6	4.7	15.4	162.2	0.26	0.504	0.219	45.9	−14.5	1.0	14.6	175.8	3.8	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
201	G25B_050_025$_{de}$	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.362	47.3	−11.6	−1.9	11.8	189.6	0.268	0.495	0.288	47.2	−9.7	−11.3	14.9	229.3	9.5	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
202	G50B_050_025$_{de}$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.43	47.5	−8.6	−6.5	10.8	216.9	0.275	0.476	0.331	49.8	−6.8	−24.6	25.5	254.4	18.3	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
203	G65B_062_037$_{de}$	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.625	0.592	51.2	−10.6	−14.7	18.2	234.3	0.262	0.55	0.43	50.7	−2.6	−30.1	30.3	264.9	17.3	205	0.0	1.0	0.912	53.7	−28.3	−39.4	48.5	234.3
204	G75B_075_050$_{de}$	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.746	0.75	54.6	−11.3	−23.6	26.2	244.3	0.247	0.622	0.546	52.2	−0.9	−34.6	34.6	268.4	15.3	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
205	G80B_087_062$_{de}$	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.758	0.875	58.2	−11.4	−32.8	34.8	250.7	0.229	0.709	0.703	52.2	1.0	−44.5	44.5	271.3	18.1	220	0.0	0.814	1.0	51.4	−18.3	−52.5	55.6	250.7
206	G84B_100_075$_{de}$	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.794	1.0	61.9	−11.4	−41.1	42.6	254.3	0.243	0.806	0.862	45.9	6.7	−48.8	49.3	277.8	25.3	225	0.0	0.725	1.0	51.1	−15.3	−54.8	56.9	254.3
207	Y61G_062_062$_{de}$	0.25	0.625	0.0	0.625	0.625	0.312	127	0.202	0.625	0.0	48.3	−26.6	26.2	37.4	135.4	0.244	0.584	0.036	49.4	−31.1	32.7	45.1	133.5	7.9	131	0.323	1.0	0.0	65.3	−42.6	42.0	59.9	135.4
208	Y76G_062_050$_{de}$	0.25	0.625	0.125	0.625	0.5	0.375	136	0.233	0.625	0.125	49.4	−25.0	16.9	30.2	145.9	0.225	0.591	0.103	51.9	−24.1	16.3	29.1	145.8	2.7	138	0.217	1.0	0.0	60.3	−50.1	33.9	60.5	145.9
209	G00B_062_037$_{de}$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.273	51.2	−22.0	7.0	23.1	162.2	0.256	0.616	0.226	51.0	−22.4	4.7	22.9	168.0	2.3	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
210	G15B_062_037$_{de}$	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.372	51.3	−19.2	0.1	19.2	179.5	0.256	0.608	0.294	53.0	−16.8	−7.7	18.5	204.5	8.3	168	0.0	1.0	0.325	54.1	−51.3	0.3	51.3	179.5
211	G34B_062_037$_{de}$	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.625	0.457	51.9	−15.8	−5.6	16.8	199.6	0.26	0.595	0.351	54.5	−12.9	−19.7	23.6	236.6	14.6	183	0.0	1.0	0.554	55.6	−42.2	−15.0	44.8	199.6
212	G50B_062_037$_{de}$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.521	52.0	−13.0	−9.7	16.2	216.9	0.267	0.577	0.391	55.1	−8.2	−29.9	31.0	254.5	20.9	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
213	G61B_075_050$_{de}$	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.75	0.685	55.8	−15.1	−17.8	23.4	229.7	0.247	0.657	0.496	55.9	−5.7	−35.9	36.4	260.8	20.3	203	0.0	1.0	0.871	54.4	−30.2	−35.7	46.8	229.7
214	G69B_087_062$_{de}$	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.875	0.84	59.2	−16.5	−26.4	31.2	237.9	0.213	0.745	0.628	55.5	−4.0	−42.3	42.5	264.5	20.5	207	0.0	1.0	0.945	53.1	−26.4	−42.3	49.9	237.9
215	G75B_100_075$_{de}$	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.994	1.0	62.6	−17.0	−35.4	39.3	244.3	0.229	0.853	0.792	53.7	−2.6	−49.7	49.8	266.9	22.1	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
216	Y68G_075_075$_{de}$	0.25	0.75	0.0	0.75	0.75	0.375	131	0.21	0.75	0.0	52.3	−34.6	28.9	45.1	140.0	0.226	0.675	0.03	57.3	−36.6	37.0	52.1	134.6	9.7	134	0.28	1.0	0.0	63.1	−46.1	38.6	60.2	140.0
217	Y81G_075_062$_{de}$	0.25	0.75	0.125	0.75	0.625	0.437	139	0.23	0.75	0.125	53.5	−32.7	19.3	38.0	149.4	0.207	0.704	0.099	56.4	−30.2	18.7	35.5	148.2	3.9	140	0.169	1.0	0.0	58.7	−52.3	30.9	60.8	149.4
218	G00B_075_050$_{de}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.281	55.5	−29.3	9.4	30.8	162.2	0.223	0.733	0.221	57.3	−27.6	8.4	28.8	162.9	2.7	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
219	G11B_075_050$_{de}$	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.376	55.4	−26.5	2.3	26.6	175.0	0.224	0.716	0.298	58.6	−24.2	−2.1	24.3	185.1	5.9	164	0.0	1.0	0.252	53.7	−53.1	4.6	53.3	175.0
220	G25B_075_050$_{de}$	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.474	56.0	−23.3	−3.9	23.7	189.6	0.233	0.707	0.368	59.9	−19.7	−14.3	24.4	216.0	11.6	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
221	G38B_075_050$_{de}$	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.75	0.55	56.5	−20.1	−9.0	22.0	204.2	0.243	0.696	0.42	60.8	−13.9	−24.4	28.1	240.2	17.1	186	0.0	1.0	0.601	55.8	−40.2	−18.0	44.1	204.2
222	G50B_075_050$_{de}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.611	56.5	−17.3	−13.0	21.7	216.9	0.253	0.679	0.458	60.3	−10.9	−35.5	37.2	252.9	23.7	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
223	G59B_087_062$_{de}$	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.875	0.773	60.3	−19.5	−20.9	28.6	227.0	0.226	0.769	0.578	60.3	−8.3	−41.8	42.6	258.7	23.6	201	0.0	1.0	0.837	54.8	−31.2	−33.5	45.8	227.0
224	G65B_100_075$_{de}$	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	1.0	0.934	63.8	−21.2	−29.5	36.4	234.3	0.251	0.95	0.774	59.8	−7.8	−49.3	49.9	261.0	24.2	205	0.0	1.0	0.912	53.7	−28.3	−39.4	48.5	234.3
225	Y73G_087_087$_{de}$	0.25	0.875	0.0	0.875	0.875	0.437	134	0.217	0.875	0.0	56.2	−42.5	31.3	52.8	143.5	0.202	0.769	0.02	62.2	−45.2	38.2	59.2	139.7	9.5	136	0.248	1.0	0.0	61.4	−48.6	35.8	60.3	143.5
226	Y85G_087_075$_{de}$	0.25	0.875	0.125	0.875	0.75	0.5	141	0.228	0.875	0.125	57.5	−40.2	21.6	45.7	151.7	0.198	0.801	0.103	62.9	−44.5	25.1	51.1	150.5	7.7	142	0.137	1.0	0.0	57.6	−53.7	28.8	61.0	151.7
227	G00B_087_062$_{de}$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.289	59.7	−36.7	11.7	38.5	162.2	0.227	0.818	0.237	63.4	−40.8	14.1	43.2	160.9	6.0	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
228	G09B_087_062$_{de}$	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.381	59.6	−34.1	4.6	34.5	172.2	0.218	0.809	0.31	64.6	−36.1	2.6	36.2	175.8	5.7	161	0.0	1.0	0.21	53.7	−54.7	7.4	55.2	172.2
229	G19B_087_062$_{de}$	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.488	60.1	−31.0	−1.7	31.0	183.2	0.223	0.802	0.381	64.9	−30.8	−10.4	32.5	198.6	9.9	172	0.0	1.0	0.381	54.4	−49.6	−2.7	49.7	183.2
230	G30B_087_062$_{de}$	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.573	60.7	−27.3	−7.8	28.4	195.9	0.233	0.797	0.444	65.5	−24.7	−20.4	32.0	219.5	13.7	181	0.0	1.0	0.517	55.5	−43.6	−12.5	45.4	195.9
231	G40B_087_062$_{de}$	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.875	0.643	61.0	−24.3	−12.3	27.3	206.9	0.24	0.789	0.49	63.9	−18.5	−30.8	36.0	239.0	19.6	188	0.0	1.0	0.629	55.9	−39.0	−19.8	43.7	206.9
232	G50B_087_062$_{de}$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.702	61.0	−21.6	−16.3	27.1	216.9	0.241	0.781	0.533	64.5	−13.6	−41.8	44.0	251.9	26.9	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
233	G57B_100_075$_{de}$	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	1.0	0.861	64.9	−23.9	−24.0	33.9	225.1	0.277	0.986	0.724	63.4	−9.4	−47.2	48.1	258.7	27.3	200	0.0	1.0	0.815	55.1	−31.8	−32.1	45.2	225.1
234	Y76G_100_100$_{de}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.217	1.0	0.0	60.3	−50.1	33.9	60.5	145.9	0.219	1.0	0.0	61.4	−48.5	35.9	60.3	143.4	2.7	138	0.217	1.0	0.0	60.3	−50.1	33.9	60.5	145.9
235	Y86G_100_087$_{de}$	0.25	1.0	0.125	1.0	0.875	0.562	142	0.229	1.0	0.125	61.7	−47.6	24.4	53.5	152.9	0.209	0.874	0.117	63.0	−43.9	22.7	49.5	152.6	4.2	143	0.118	1.0	0.0	57.0	−54.5	27.8	61.2	152.9
236	G00B_100_075$_{de}$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.297	63.9	−44.0	14.1	46.2	162.2	0.25	1.0	0.25	61.4	−44.1	14.8	46.6	161.3	2.6	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
237	G07B_100_075$_{de}$	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.386	63.8	−41.7	7.0	42.3	170.4	0.222	0.874	0.323	61.4	−41.9	6.3	42.4	171.4	2.5	159	0.0	1.0	0.182	53.6	−55.6	9.3	56.4	170.4
238	G15B_100_075$_{de}$	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.494	64.1	−38.4	0.2	38.4	179.5	0.223	0.874	0.376	62.0	−36.6	−5.4	37.0	188.4	6.4	168	0.0	1.0	0.325	54.1	−51.3	0.3	51.3	179.5
239	G25B_100_075$_{de}$	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.587	64.8	−35.0	−5.9	35.5	189.6	0.234	0.874	0.459	62.8	−28.9	−19.2	34.7	213.5	14.7	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
240	G34B_100_075$_{de}$	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	1.0	0.665	65.3	−31.6	−11.3	33.6	199.6	0.247	0.874	0.501	63.7	−24.7	−25.5	35.5	225.9	15.9	183	0.0	1.0	0.554	55.6	−42.2	−15.0	44.8	199.6
241	G42B_100_075$_{de}$	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	1.0	0.734	65.5	−28.7	−15.7	32.7	208.7	0.246	0.874	0.57	63.4	−19.6	−34.3	39.5	240.2	20.7	189	0.0	1.0	0.646	55.9	−38.3	−21.0	43.6	208.7
242	G50B_100_075$_{de}$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	0.792	65.5	−26.0	−19.5	32.5	216.9	0.246	0.874	0.615	60.1	−17.0	−44.8	47.9	249.1	27.2	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
																	Mean color difference of this page:							**delta**	**13.7**									

1−1132130−F0 RE670−7N, Page 22/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1132130−F0

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 23/33

n	HIC^*_{Fde}	$rgb_{\_Fde}$			$ict_{\_Fde}$			$h_{si\_F,de}$	rgb^*_{Fde}			$LabCh^*_{Fde}$					rgb'^*_{Fde}			$LabCh'^*_{Fde}$					DE'^*_{Fde}	$h_{siM,de}$	rgb^*_{Mde}			$LabCh^*_{Mde}$				
243	R00Y_037_037$_{de}$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	29.7	23.1	11.0	25.6	25.4	0.347	0.0	0.041	30.4	26.0	16.3	30.7	32.0	6.1	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
244	R18Y_037_037$_{de}$	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.19	29.2	24.2	1.8	24.3	4.3	0.333	0.0	0.128	32.1	25.7	4.4	26.1	9.8	4.1	359	1.0	0.0	0.508	44.5	64.6	4.8	64.8	4.3
245	B65R_037_037$_{de}$	0.375	0.0	0.25	0.375	0.375	0.187	349	0.375	0.0	0.367	30.0	26.5	−6.3	27.2	346.6	0.326	0.001	0.252	31.3	29.9	−4.2	30.2	351.8	4.1	331	1.0	0.0	0.979	46.7	70.7	−16.8	72.7	346.6
246	B50R_037_037$_{de}$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.204	0.0	0.375	26.1	19.4	−11.8	22.7	328.6	0.178	0.0	0.25	32.6	35.3	−12.1	37.4	340.9	17.1	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
247	B38R_050_050$_{de}$	0.375	0.0	0.5	0.5	0.5	0.25	316	0.12	0.0	0.5	25.4	19.5	−19.3	27.5	315.3	0.125	0.0	0.375	31.5	37.9	−17.4	41.8	335.3	19.4	283	0.24	0.0	1.0	30.9	39.1	−38.6	55.0	315.3
248	B30R_062_062$_{de}$	0.375	0.0	0.625	0.625	0.625	0.312	307	0.074	0.0	0.625	27.1	19.8	−26.4	33.0	306.8	0.125	0.0	0.401	32.1	41.9	−23.4	48.1	330.8	22.9	276	0.119	0.0	1.0	31.4	31.7	−42.3	52.9	306.8
249	B25R_075_075$_{de}$	0.375	0.0	0.75	0.75	0.75	0.375	300	0.002	0.0	0.75	29.2	19.4	−33.3	38.6	300.1	0.056	0.008	0.468	32.6	44.1	−28.9	52.7	326.7	25.3	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
250	B20R_087_087$_{de}$	0.375	0.0	0.875	0.875	0.875	0.437	295	0.0	0.048	0.875	31.6	19.2	−40.5	44.8	295.4	0.04	0.062	0.581	33.4	44.9	−32.7	55.5	323.9	26.9	267	0.0	0.055	1.0	33.3	22.0	−46.3	51.3	295.4
251	B18R_100_100$_{de}$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.0	0.09	1.0	33.9	19.6	−47.3	51.2	292.5	0.008	0.094	1.0	33.0	45.3	−35.2	57.3	322.1	28.3	265	0.0	0.09	1.0	33.9	19.6	−47.3	51.2	292.5
252	R31Y_037_037$_{de}$	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.085	0.0	34.0	17.2	18.2	25.0	46.6	0.372	0.068	0.008	37.2	10.2	21.6	23.9	64.6	8.3	42	1.0	0.228	0.0	57.3	45.9	48.6	66.9	46.6
253	R00Y_037_025$_{de}$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.125	0.124	35.7	15.4	7.3	17.1	25.4	0.367	0.109	0.143	37.1	13.5	10.2	16.9	36.9	3.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
254	R00Y_037_025$_{de}$	0.375	0.125	0.25	0.375	0.25	0.25	360	0.375	0.124	0.319	35.6	17.1	−2.3	17.3	352.0	0.358	0.135	0.249	35.7	18.8	−1.8	18.9	354.3	1.7	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
255	B50R_037_025$_{de}$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.261	0.124	0.375	33.4	12.9	−7.9	15.1	328.6	0.267	0.133	0.263	38.0	25.4	−12.5	28.3	333.6	14.0	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
256	B34R_050_037$_{de}$	0.375	0.125	0.5	0.5	0.375	0.312	311	0.19	0.124	0.5	33.5	13.1	−15.3	20.1	310.5	0.244	0.134	0.357	38.1	27.5	−19.0	33.4	325.3	15.5	279	0.173	0.0	1.0	31.2	35.0	−40.8	53.8	310.5
257	B25R_062_050$_{de}$	0.375	0.125	0.625	0.625	0.5	0.375	300	0.126	0.125	0.625	35.4	12.9	−22.2	25.7	300.1	0.224	0.163	0.452	38.8	31.6	−25.4	40.5	321.2	19.2	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
258	B19R_075_062$_{de}$	0.375	0.125	0.75	0.75	0.625	0.437	293	0.125	0.174	0.75	37.8	12.7	−29.3	32.0	293.5	0.176	0.174	0.553	40.8	32.8	−31.2	45.3	316.3	20.3	265	0.0	0.079	1.0	33.7	20.4	−46.9	51.2	293.5
259	B15R_087_075$_{de}$	0.375	0.125	0.875	0.875	0.75	0.5	289	0.125	0.219	0.875	40.2	12.9	−36.1	38.3	289.7	0.137	0.186	0.666	37.5	40.1	−37.3	54.8	317.0	27.3	263	0.0	0.125	1.0	34.5	17.2	−48.1	51.1	289.7
260	B13R_100_087$_{de}$	0.375	0.125	1.0	1.0	0.875	0.562	286	0.125	0.263	1.0	42.3	13.0	−43.0	45.0	286.9	0.176	0.275	0.821	37.1	38.9	−38.6	54.8	315.2	26.7	261	0.0	0.158	1.0	34.9	14.9	−49.2	51.4	286.9
261	R68Y_037_037$_{de}$	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.213	0.0	39.4	7.7	22.6	23.8	71.1	0.392	0.189	0.031	40.7	1.6	28.8	28.8	86.6	8.7	64	1.0	0.569	0.0	71.9	20.5	60.2	63.6	71.1
262	R50Y_037_025$_{de}$	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.222	0.124	40.5	8.1	13.4	15.7	58.8	0.385	0.204	0.118	42.2	4.3	13.6	14.3	72.3	4.1	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
263	R00Y_037_012$_{de}$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.25	0.249	41.8	7.7	3.6	8.5	25.4	0.375	0.26	0.225	40.9	9.5	0.7	9.6	4.2	3.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
264	B50R_037_012$_{de}$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.318	0.249	0.375	40.6	6.4	−3.9	7.5	328.6	0.328	0.271	0.286	43.6	14.1	−11.2	18.1	321.5	11.0	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
265	B25R_050_025$_{de}$	0.375	0.25	0.5	0.5	0.25	0.375	300	0.25	0.249	0.5	41.6	6.4	−11.1	12.8	300.1	0.313	0.286	0.352	43.9	17.5	−19.4	26.2	311.9	14.0	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
266	B15R_062_037$_{de}$	0.375	0.25	0.625	0.625	0.375	0.437	289	0.25	0.297	0.625	44.0	6.4	−18.0	19.1	289.7	0.312	0.32	0.446	45.2	20.4	−26.2	33.2	307.9	16.2	263	0.0	0.125	1.0	34.5	17.2	−48.1	51.1	289.7
267	B11R_075_050$_{de}$	0.375	0.25	0.75	0.75	0.5	0.5	284	0.25	0.34	0.75	46.1	6.6	−24.9	25.8	285.0	0.302	0.349	0.556	46.5	22.5	−32.1	39.2	305.0	17.4	260	0.0	0.18	1.0	35.1	13.3	−49.8	51.6	285.0
268	B09R_087_062$_{de}$	0.375	0.25	0.875	0.875	0.625	0.562	281	0.25	0.383	0.875	48.2	6.8	−31.6	32.4	282.1	0.28	0.368	0.683	43.0	30.2	−39.9	50.0	307.1	25.3	258	0.0	0.213	1.0	35.4	10.9	−50.7	51.8	282.1
269	B07R_100_075$_{de}$	0.375	0.25	1.0	1.0	0.75	0.625	279	0.25	0.426	1.0	50.3	6.9	−38.4	39.0	280.2	0.283	0.421	0.8	41.5	29.9	−40.6	50.4	306.3	24.6	257	0.0	0.235	1.0	35.6	9.2	−51.2	52.0	280.2
270	Y00G_037_037$_{de}$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.349	0.0	45.1	−0.9	23.1	23.1	92.3	0.366	0.308	0.065	49.9	−6.0	33.8	34.3	100.0	12.7	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
271	Y00G_037_025$_{de}$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.358	0.124	46.0	−0.6	15.4	15.4	92.3	0.358	0.322	0.134	51.0	−3.5	20.6	20.9	99.8	7.8	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
272	Y00G_037_012$_{de}$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.366	0.249	46.9	−0.3	7.7	7.7	92.3	0.354	0.347	0.209	50.2	−0.3	4.8	4.8	94.6	4.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
273	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	50.9	4.5	−7.3	8.6	301.7	9.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
274	B00R_050_012$_{de}$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.421	0.5	50.3	0.2	−6.6	6.6	271.7	0.35	0.41	0.358	48.7	7.7	−18.9	20.5	292.1	14.5	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
275	B00R_062_025$_{de}$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.467	0.625	52.8	0.4	−13.3	13.3	271.7	0.364	0.455	0.446	50.4	10.5	−25.6	27.7	292.3	16.0	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
276	B00R_075_037$_{de}$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.513	0.75	55.3	0.6	−20.0	20.0	271.7	0.377	0.492	0.539	51.6	13.4	−31.3	34.0	293.1	17.4	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
277	B00R_087_050$_{de}$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.559	0.875	57.8	0.8	−26.7	26.7	271.7	0.384	0.539	0.661	49.7	20.4	−41.4	46.2	296.2	25.8	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
278	B00R_100_062$_{de}$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.605	1.0	60.3	1.0	−33.4	33.4	271.7	0.385	0.582	0.78	46.6	21.5	−42.5	47.6	296.8	26.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
279	Y23G_050_050$_{de}$	0.375	0.5	0.0	0.5	0.5	0.25	104	0.332	0.5	0.0	51.1	−10.9	32.4	34.2	108.6	0.366	0.506	0.04	49.6	−10.2	38.5	39.9	104.8	6.3	109	0.665	1.0	0.0	82.1	−21.8	64.9	68.5	108.6
280	Y31G_050_037$_{de}$	0.375	0.5	0.125	0.5	0.375	0.312	109	0.348	0.5	0.124	51.0	−10.0	22.0	24.1	114.4	0.34	0.468	0.1	55.4	−9.2	21.8	23.6	112.9	4.5	113	0.595	1.0	0.0	77.8	−26.7	58.7	64.5	114.4
281	Y50G_050_025$_{de}$	0.375	0.5	0.25	0.5	0.25	0.375	120	0.354	0.5	0.249	50.9	−9.1	11.9	15.0	127.2	0.331	0.469	0.182	55.0	−6.7	7.0	9.7	133.5	6.8	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
282	G00B_050_012$_{de}$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.382	52.1	−7.3	2.3	7.7	162.2	0.34	0.488	0.279	55.2	−3.3	−5.0	6.0	236.6	8.9	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
283	G50B_050_012$_{de}$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.465	52.3	−4.3	−3.2	5.4	216.9	0.348	0.474	0.337	56.0	−0.9	−17.7	17.7	267.0	15.3	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
284	G75B_062_025$_{de}$	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.623	0.625	55.8	−5.6	−11.8	13.1	244.3	0.351	0.542	0.442	55.2	1.6	−25.3	25.4	273.6	15.4	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
285	G84B_075_037$_{de}$	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.647	0.75	59.5	−5.7	−20.5	21.3	254.3	0.358	0.604	0.567	56.3	3.9	−30.6	30.9	277.2	14.3	225	0.0	0.725	1.0	51.1	−15.3	−54.8	56.9	254.3
286	G88B_087_050$_{de}$	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.69	0.875	62.5	−5.4	−27.8	28.3	258.9	0.369	0.651	0.679	57.0	8.5	−41.5	42.3	281.5	20.2	231	0.0	0.631	1.0	49.4	−10.8	−55.7	56.7	258.9
287	G90B_100_062$_{de}$	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.73	1.0	65.0	−5.0	−34.5	34.9	261.6	0.376	0.708	0.793	51.9	12.8	−43.8	45.6	286.3	24.0	235	0.0	0.569	1.0	47.5	−8.0	−55.3	55.9	261.6
288	Y38G_062_062$_{de}$	0.375	0.625	0.0	0.625	0.625	0.312	113	0.336	0.625	0.0	54.2	−19.0	34.2	39.2	119.1	0.361	0.619	0.035	53.1	−18.8	39.4	43.7	115.5	5.2	117	0.539	1.0	0.0	74.7	−30.5	54.8	62.7	119.1
289	Y50G_062_050$_{de}$	0.375	0.625	0.125	0.625	0.5	0.375	120	0.333	0.625	0.125	54.1	−18.2	23.9	30.1	127.2	0.325	0.59	0.095	59.4	−16.0	23.9	28.8	123.7	5.8	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
290	Y68G_062_037$_{de}$	0.375	0.625	0.25	0.625	0.375	0.437	131	0.355	0.625	0.25	54.7	−17.3	14.4	22.5	140.0	0.319	0.593	0.178	59.2	−14.9	10.7	18.4	144.3	6.3	134	0.28	1.0	0.0	63.1	−46.1	38.6	60.2	140.0
291	G00B_062_025$_{de}$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.39	56.3	−14.6	4.7	15.4	162.2	0.338	0.6	0.285	60.2	−11.9	−2.3	12.1	191.2	8.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
292	G25B_062_025$_{de}$	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.487	56.6	−11.6	−1.9	11.8	189.6	0.342	0.589	0.35	60.6	−6.9	−13.2	14.9	242.2	12.8	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
293	G50B_062_025$_{de}$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.555	56.8	−8.6	−6.5	10.8	216.9	0.353	0.572	0.397	61.9	−5.3	−24.5	25.1	257.6	19.0	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
294	G65B_075_037$_{de}$	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.75	0.717	60.5	−10.6	−14.7	18.2	234.3	0.339	0.66	0.512	61.7	−2.3	−32.6	32.7	265.8	19.6	205	0.0	1.0	0.912	53.7	−28.3	−39.4	48.5	234.3
295	G75B_087_050$_{de}$	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.871	0.875	63.8	−11.3	−23.6	26.2	244.3	0.329	0.74	0.636	61.6	0.0	−38.0	38.0	269.9	18.4	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
296	G80B_100_062$_{de}$	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.883	1.0	67.5	−11.4	−32.8	34.8	250.7	0.348	0.821	0.786	57.0	2.8	−45.6	45.7	273.5	21.9	220	0.0	0.814	1.0	51.4	−18.3	−52.5	55.6	250.7
297	Y50G_075_075$_{de}$	0.375	0.75	0.0	0.75	0.75	0.375	120	0.312	0.75	0.0	57.2	−27.3	35.9	45.1	127.2	0.323	0.701	0.025	61.6	−26.2	44.2	51.4	120.7	9.4	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
298	Y61G_075_062$_{de}$	0.375	0.75	0.125	0.75	0.625	0.437	127	0.327	0.75	0.125	57.6	−26.6	26.2	37.4	135.4	0.304	0.704	0.089	64.3	−24.6	26.8	36.5	132.5	7.0	131	0.323	1.0	0.0	65.3	−42.6	42.0	59.9	135.4
299	Y76G_075_050$_{de}$	0.375	0.75	0.25	0.75	0.5	0.5	136	0.358	0.75	0.25	58.7	−25.0	16.9	30.2	145.9	0.306	0.715	0.175	63.9	−22.8	13.9	26.8	148.6	6.4	138	0.217	1.0	0.0	60.3	−50.1	33.9	60.5	145.9
300	G00B_075_037$_{de}$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.398	60.5	−22.0	7.0	23.1	162.2	0.326	0.722	0.293	64.7	−19.0	1.6	19.0	175.0	7.4	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
301	G15B_075_037$_{de}$	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.497	60.6	−19.2	0.1	19.2	179.5	0.327	0.709	0.361	65.9	−14.3	−8.9	16.9	211.8	11.6	168	0.0	1.0	0.325	54.1	−51.3	0.3	51.3	179.5
302	G34B_075_037$_{de}$	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.75	0.582	61.2	−15.8	−5.6	16.8	199.6	0.337	0.696	0.424	66.2	−10.8	−20.8	23.5	242.6	16.7	183	0.0	1.0	0.554	55.6	−42.2	−15.0	44.8	199.6
303	G50B_075_037$_{de}$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.646	61.3	−13.0	−9.7	16.2	216.9	0.345	0.681	0.468	66.6	−7.7	−32.2	33.2	256.4	23.6	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
304	G61B_087_050$_{de}$	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.875	0.81	65.0	−15.1	−17.8	23.4	229.7	0.331	0.772	0.587	66.7	−4.8	−38.8	39.1	262.8	23.3	203	0.0	1.0	0.871	54.4	−30.2	−35.7	46.8	229.7
305	G69B_100_062$_{de}$	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	1.0	0.965	68.5	−16.5	−26.4	31.2	237.9	0.339	0.867	0.729	65.5	−4.3	−44.6	44.8	264.4	22.1	207	0.0	1.0	0.945	53.1	−26.4	−42.3	49.9	237.9
306	Y58G_087_087$_{de}$	0.375	0.875	0.0	0.875	0.875	0.437	125	0.301	0.875	0.0	60.7	−35.7	38.2	52.3	133.0	0.292	0.795	0.013	66.6	−32.1	46.2	56.3	124.8	10.6	130	0.344	1.0	0.0	66.5	−40.8	43.6	59.8	133.0
307	Y68G_087_075$_{de}$	0.375	0.875	0.125	0.875	0.75	0.5	131	0.335	0.875	0.125	61.6	−34.6	28.9	45.1	140.0	0.294	0.805	0.088	69.3	−33.3	32.4	46.5	135.7	8.5	134	0.28	1.0	0.0	63.1	−46.1	38.6	60.2	140.0
308	Y81G_087_062$_{de}$	0.375	0.875	0.25	0.875	0.625	0.562	139	0.355	0.875	0.25	62.7	−32.7	19.3	38.0	149.4	0.302	0.812	0.185	69.0	−30.5	16.6	34.8	151.4	7.1	140	0.169	1.0	0.0	58.7	−52.3	30.9	60.8	149.4
309	G00B_087_050$_{de}$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.406	64.7	−29.3	9.4	30.8	162.2	0.322	0.821	0.302	70.3	−28.7	6.9	29.5	166.3	6.1	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
310	G11B_087_050$_{de}$	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.501	64.7	−26.5	2.3	26.6	175.0	0.318	0.809	0.376	71.1	−24.9	−3.9	25.2	189.0	9.1	164	0.0	1.0	0.252	53.7	−53.1	4.6	53.3	175.0
311	G25B_087_050$_{de}$	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.599	65.3	−23.3	−3.9	23.7	189.6	0.325	0.805	0.445	71.0	−19.9	−14.7	24.7	216.5	12.6	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
312	G38B_087_050$_{de}$	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.875	0.675	65.7	−20.1	−9.0	22.0	204.2	0.333	0.794	0.501	70.6	−15.1	−26.8	30.8	240.5	19.0	186	0.0	1.0	0.601	55.8	−40.2	−18.0	44.1	204.2
313	G50B_087_050$_{de}$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.736	65.8	−17.3	−13.0	21.7	216.9	0.341	0.784	0.544	70.7	−9.5	−39.2	40.4	256.3	27.7	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
314	G59B_100_062$_{de}$	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	1.0	0.898	69.6	−19.5	−20.9	28.6	227.0	0.362	0.93	0.698	69.8	−6.4	−43.2	43.7	261.4	25.8	201	0.0	1.0	0.837	54.8	−31.2	−33.5	45.8	227.0
315	Y63G_100_100$_{de}$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.312	1.0	0.0	64.8	−43.5	41.2	60.0	136.5	0.314	1.0	0.0	68.1	−38.1	45.8	59.6	129.7	7.9	132	0.312	1.0	0.0	64.8	−43.5	41.2	60.0	136.5
316	Y73G_100_087$_{de}$	0.375	1.0	0.125	1.0	0.875	0.562	134	0.342	1.0	0.125	65.5	−42.5	31.3	52.8	143.5	0.292	0.874	0.096	67.9	−37.6	34.0	50.7	137.8	6.0	136	0.248	1.0	0.0	61.4	−48.6	35.8	60.3	143.5
317	Y85G_100_075$_{de}$	0.375	1.0	0.25	1.0	0.75	0.625	141	0.353	1.0	0.25	66.8	−40.2	21.6	45.7	151.7	0.302	0.874	0.198	69.0	−33.8	18.5	38.5	151.2	7.5	142	0.137	1.0	0.0	57.6	−53.7	28.8	61.0	151.7
318	G00B_100_062$_{de}$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.414	69.0	−36.7	11.7	38.5	162.2	0.375	1.0	0.375	68.5	−32.9	11.2	34.7	161.1	3.8	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
319	G09B_100_062$_{de}$	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.506	68.9	−34.1	4.6	34.5	172.2	0.314	0.874	0.376	69.3	−29.5	1.9	29.5	176.3	5.4	161	0.0	1.0	0.21	53.7	−54.7	7.4	55.2	172.2
320	G19B_100_062$_{de}$	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.613	69.4	−31.0	−1.7	31.0	183.2	0.323	0.874	0.459	69.9	−24.4	−11.3	26.9	204.9	11.6	172	0.0	1.0	0.381	54.4	−49.6	−2.7	49.7	183.2
321	G30B_100_062$_{de}$	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.698	70.0	−27.3	−7.8	28.4	195.9	0.337	0.874	0.501	69.7	−19.6	−23.3	30.5	229.9	17.3	181	0.0	1.0	0.517	55.5	−43.6	−12.5	45.4	195.9
322	G40B_100_062$_{de}$	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	1.0	0.768	70.3	−24.3	−12.3	27.3	206.9	0.375	1.0	0.625	69.7	−16.2	−29.8	33.9	241.4	19.2	188	0.0	1.0	0.629	55.9	−39.0	−19.8	43.7	206.9
323	G50B_100_062$_{de}$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	0.827	70.3	−21.6	−16.3	27.1	216.9	0.385	0.993	0.677	68.7	−10.9	−40.9	42.4	255.0	26.9	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9

Mean color difference of this page: delta 14.1

1−1132230−F0

RE670−7N, Page 23/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^*$

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1132230−F0

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 24/33

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			*h*$_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	*h*$_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
324	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.9	30.8	14.7	34.2	25.4	0.457	0.01	0.056	32.3	36.8	20.7	42.3	29.3	8.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
325	R26Y_050_050$_{de}$	0.5	0.0	0.125	0.5	0.5	0.25	376	0.5	0.0	0.19	32.4	31.1	5.4	31.5	9.8	0.433	0.0	0.142	34.2	33.7	10.3	35.3	17.0	5.9	367	1.0	0.0	0.38	44.7	62.2	10.8	63.1	9.8
326	R00Y_050_050$_{de}$	0.5	0.0	0.25	0.5	0.5	0.25	360	0.5	0.0	0.388	32.8	34.3	−4.7	34.6	352.0	0.435	0.003	0.296	33.5	35.9	0.8	35.9	1.2	5.8	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
327	B61R_050_050$_{de}$	0.5	0.0	0.375	0.5	0.5	0.25	344	0.437	0.0	0.5	31.5	32.5	−10.6	34.2	341.8	0.356	0.0	0.34	33.8	40.7	−7.4	41.4	349.5	9.1	323	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8
328	B50R_050_050$_{de}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.272	0.0	0.5	28.2	25.9	−15.8	30.3	328.6	0.25	0.0	0.375	33.8	44.2	−13.5	46.2	343.0	19.2	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
329	B40R_062_062$_{de}$	0.5	0.0	0.625	0.625	0.625	0.312	319	0.184	0.0	0.625	27.3	26.0	−23.3	34.9	318.1	0.168	0.0	0.417	34.4	46.1	−19.1	49.9	337.4	21.7	286	0.294	0.0	1.0	31.6	41.7	−37.3	55.9	318.1
330	B34R_075_075$_{de}$	0.5	0.0	0.75	0.75	0.75	0.375	311	0.13	0.0	0.75	28.4	26.2	−30.6	40.3	310.5	0.128	0.0	0.486	34.8	48.2	−25.8	54.7	331.8	23.4	279	0.173	0.0	1.0	31.2	35.0	−40.8	53.8	310.5
331	B29R_087_087$_{de}$	0.5	0.0	0.875	0.875	0.875	0.437	305	0.075	0.0	0.875	30.2	26.2	−37.6	45.9	304.9	0.086	0.028	0.597	35.8	50.0	−30.0	58.4	328.9	25.5	274	0.086	0.0	1.0	31.7	30.0	−43.0	52.5	304.9
332	B25R_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1	0.045	0.052	0.867	35.4	50.1	−32.6	59.8	326.8	27.1	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
333	R23Y_050_050$_{de}$	0.5	0.125	0.0	0.5	0.5	0.25	44	0.5	0.08	0.0	36.8	26.6	23.1	35.3	41.0	0.511	0.084	0.024	38.4	20.6	27.6	34.5	53.2	7.6	38	1.0	0.16	0.0	53.7	53.2	46.3	70.6	41.0
334	R00Y_050_037$_{de}$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.125	0.124	39.0	23.1	11.0	25.6	25.4	0.504	0.117	0.158	39.6	21.4	14.1	25.7	33.3	3.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
335	R18Y_050_037$_{de}$	0.5	0.125	0.25	0.5	0.375	0.312	371	0.5	0.124	0.315	38.5	24.2	1.8	24.3	4.3	0.497	0.129	0.264	38.2	24.3	2.9	24.5	6.8	1.1	359	1.0	0.0	0.508	44.5	64.6	4.8	64.8	4.3
336	B65R_050_037$_{de}$	0.5	0.125	0.375	0.5	0.375	0.312	349	0.5	0.124	0.492	39.3	26.5	−6.3	27.2	346.6	0.477	0.133	0.357	39.4	28.4	−6.7	29.2	346.5	1.9	331	1.0	0.0	0.979	46.7	70.7	−16.8	72.7	346.6
337	B50R_050_037$_{de}$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.329	0.124	0.5	35.4	19.4	−11.8	22.7	328.6	0.318	0.123	0.344	40.0	34.8	−14.7	37.8	337.0	16.3	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
338	B38R_062_050$_{de}$	0.5	0.125	0.625	0.625	0.5	0.375	316	0.245	0.125	0.625	34.7	19.5	−19.3	27.5	315.3	0.276	0.119	0.441	40.4	38.3	−20.6	43.5	331.7	19.6	283	0.24	0.0	1.0	30.9	39.1	−38.6	55.0	315.3
339	B30R_075_062$_{de}$	0.5	0.125	0.75	0.75	0.625	0.437	307	0.199	0.125	0.75	36.4	19.8	−26.4	33.0	306.8	0.248	0.138	0.547	42.0	40.0	−25.9	47.7	327.0	20.9	276	0.119	0.0	1.0	31.4	31.7	−42.3	52.9	306.8
340	B25R_087_075$_{de}$	0.5	0.125	0.875	0.875	0.75	0.5	300	0.127	0.125	0.875	38.5	19.4	−33.3	38.6	300.1	0.193	0.144	0.643	40.0	45.5	−33.9	56.8	323.2	26.1	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
341	B20R_100_087$_{de}$	0.5	0.125	1.0	1.0	0.875	0.562	295	0.125	0.173	1.0	40.9	19.2	−40.5	44.8	295.4	0.206	0.217	0.803	38.5	43.2	−36.0	56.2	320.2	24.4	267	0.0	0.055	1.0	33.3	22.0	−46.3	51.3	295.4
342	R50Y_050_050$_{de}$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.194	0.0	42.4	16.2	26.9	31.5	58.8	0.534	0.202	0.039	43.0	9.0	32.3	33.5	74.3	9.0	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
343	R31Y_050_037$_{de}$	0.5	0.25	0.125	0.5	0.375	0.312	49	0.5	0.21	0.124	43.3	17.2	18.2	25.0	46.6	0.525	0.19	0.114	46.0	10.3	18.2	20.9	60.3	7.3	42	1.0	0.228	0.0	57.3	45.9	48.6	66.9	46.6
344	R00Y_050_025$_{de}$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.25	0.249	45.0	15.4	7.3	17.1	25.4	0.525	0.246	0.244	44.5	13.8	5.9	15.0	23.0	2.1	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
345	R00Y_050_025$_{de}$	0.5	0.25	0.375	0.5	0.25	0.375	360	0.5	0.249	0.444	44.9	17.1	−2.3	17.3	352.0	0.495	0.247	0.341	45.5	18.3	−5.0	19.0	344.6	2.9	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
346	B50R_050_025$_{de}$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.386	0.249	0.5	42.6	12.9	−7.9	15.1	328.6	0.374	0.248	0.34	47.5	23.1	−14.7	27.4	327.5	13.2	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
347	B34R_062_037$_{de}$	0.5	0.25	0.625	0.625	0.375	0.437	311	0.315	0.25	0.625	42.7	13.1	−15.3	20.1	310.5	0.349	0.257	0.421	46.7	27.6	−21.2	34.8	322.5	16.1	279	0.173	0.0	1.0	31.2	35.0	−40.8	53.8	310.5
348	B25R_075_050$_{de}$	0.5	0.25	0.75	0.75	0.5	0.5	300	0.251	0.25	0.75	44.7	12.9	−22.2	25.7	300.1	0.342	0.291	0.53	47.6	29.3	−27.2	40.0	317.0	17.3	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
349	B19R_087_062$_{de}$	0.5	0.25	0.875	0.875	0.625	0.562	293	0.25	0.299	0.875	47.1	12.7	−29.3	32.0	293.5	0.322	0.318	0.661	46.1	36.3	−36.5	51.5	314.8	24.6	265	0.0	0.079	1.0	33.7	20.4	−46.9	51.2	293.5
350	B15R_100_075$_{de}$	0.5	0.25	1.0	1.0	0.75	0.625	289	0.25	0.344	1.0	49.5	12.9	−36.1	38.3	289.7	0.327	0.368	0.786	43.6	35.5	−37.9	51.9	313.1	23.3	263	0.0	0.125	1.0	34.5	17.2	−48.1	51.1	289.7
351	R76Y_050_050$_{de}$	0.5	0.375	0.0	0.5	0.5	0.25	76	0.5	0.327	0.0	47.7	7.3	31.0	31.9	76.7	0.542	0.326	0.048	46.8	1.3	38.0	38.0	87.9	9.1	70	1.0	0.655	0.0	75.4	14.6	62.1	63.9	76.7
352	R68Y_050_037$_{de}$	0.5	0.375	0.125	0.5	0.375	0.312	71	0.5	0.338	0.124	48.7	7.7	22.6	23.8	71.1	0.517	0.306	0.112	52.3	2.5	24.0	24.1	83.8	6.4	64	1.0	0.569	0.0	71.9	20.5	60.2	63.6	71.1
353	R50Y_050_025$_{de}$	0.5	0.375	0.25	0.5	0.25	0.375	60	0.5	0.347	0.249	49.8	8.1	13.4	15.7	58.8	0.514	0.331	0.208	51.9	5.2	10.1	11.4	62.8	4.9	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
354	R00Y_050_012$_{de}$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	51.1	7.7	3.6	8.5	25.4	0.496	0.364	0.307	51.7	9.3	−3.1	9.8	341.1	7.0	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
355	B50R_050_012$_{de}$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.443	0.375	0.5	49.9	6.4	−3.9	7.5	328.6	0.413	0.356	0.349	53.5	14.0	−13.7	19.6	315.7	12.9	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
356	B25R_062_025$_{de}$	0.5	0.375	0.625	0.625	0.25	0.5	300	0.375	0.375	0.625	50.9	6.4	−11.1	12.8	300.1	0.402	0.384	0.428	53.1	18.5	−20.9	27.9	311.5	15.6	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
357	B15R_075_037$_{de}$	0.5	0.375	0.75	0.75	0.375	0.562	289	0.375	0.422	0.75	53.3	6.4	−18.0	19.1	289.7	0.413	0.431	0.526	54.3	20.0	−26.6	33.3	306.9	16.0	263	0.0	0.125	1.0	34.5	17.2	−48.1	51.1	289.7
358	B11R_087_050$_{de}$	0.5	0.375	0.875	0.875	0.5	0.625	284	0.375	0.465	0.875	55.4	6.6	−24.9	25.8	285.0	0.414	0.468	0.643	52.3	26.4	−38.1	46.4	304.7	24.0	260	0.0	0.18	1.0	35.1	13.3	−49.8	51.6	285.0
359	B09R_100_062$_{de}$	0.5	0.375	1.0	1.0	0.625	0.687	281	0.375	0.508	1.0	57.5	6.8	−31.6	32.4	282.1	0.409	0.501	0.772	49.9	26.0	−39.5	47.2	303.3	22.0	258	0.0	0.213	1.0	35.4	10.9	−50.7	51.8	282.1
360	Y00G_050_050$_{de}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.466	0.0	53.4	−1.2	30.8	30.8	92.3	0.488	0.427	0.078	56.2	−5.6	45.0	45.3	97.1	15.1	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
361	Y00G_050_037$_{de}$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.474	0.124	54.3	−0.9	23.1	23.1	92.3	0.47	0.42	0.136	59.9	−3.9	27.9	28.2	98.0	7.9	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
362	Y00G_050_025$_{de}$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.483	0.249	55.3	−0.6	15.4	15.4	92.3	0.468	0.442	0.206	60.0	−1.3	13.7	13.8	95.7	5.0	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
363	Y00G_050_012$_{de}$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.491	0.375	56.2	−0.3	7.7	7.7	92.3	0.46	0.463	0.278	59.9	2.1	−0.4	2.1	348.2	9.2	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	59.6	5.7	−9.5	11.2	301.0	11.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
365	B00R_062_012$_{de}$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.546	0.625	59.6	0.2	−6.6	6.6	271.7	0.455	0.528	0.438	60.1	9.2	−20.7	22.7	293.9	16.7	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
366	B00R_075_025$_{de}$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.592	0.75	62.1	0.4	−13.3	13.3	271.7	0.46	0.569	0.527	60.3	11.6	−26.6	29.1	293.5	17.5	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
367	B00R_087_037$_{de}$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.638	0.875	64.6	0.6	−20.0	20.0	271.7	0.468	0.602	0.603	60.6	16.8	−37.5	41.2	294.1	24.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
368	B00R_100_050$_{de}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.684	1.0	67.1	0.8	−26.7	26.7	271.7	0.473	0.649	0.725	55.4	17.9	−40.2	44.1	294.0	24.7	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
369	Y18G_062_062$_{de}$	0.5	0.625	0.0	0.625	0.625	0.312	101	0.441	0.625	0.0	60.6	−11.7	43.2	44.8	105.1	0.478	0.632	0.031	60.2	−9.8	48.6	49.5	101.4	5.6	106	0.706	1.0	0.0	84.9	−18.7	69.2	71.7	105.1
370	Y23G_062_050$_{de}$	0.5	0.625	0.125	0.625	0.5	0.375	104	0.457	0.625	0.125	60.3	−10.9	32.4	34.2	108.6	0.451	0.599	0.092	64.6	−8.5	32.2	33.3	104.8	4.8	109	0.665	1.0	0.0	82.1	−21.8	64.9	68.5	108.6
371	Y31G_062_037$_{de}$	0.5	0.625	0.25	0.625	0.375	0.437	109	0.473	0.625	0.25	60.2	−10.0	22.0	24.1	114.4	0.433	0.579	0.166	65.4	−7.2	18.1	19.5	111.7	7.0	113	0.595	1.0	0.0	77.8	−26.7	58.7	64.5	114.4
372	Y50G_062_025$_{de}$	0.5	0.625	0.375	0.625	0.25	0.5	120	0.479	0.625	0.375	60.2	−9.1	11.9	15.0	127.2	0.428	0.58	0.255	65.8	−4.0	3.8	5.6	136.9	11.1	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
373	G00B_062_012$_{de}$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.507	61.3	−7.3	2.3	7.7	162.2	0.432	0.596	0.351	67.0	−1.2	−8.3	8.4	261.2	13.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
374	G50B_062_012$_{de}$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.59	61.6	−4.3	−3.2	5.4	216.9	0.443	0.583	0.41	67.3	1.6	−21.1	21.2	274.3	19.7	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
375	G75B_075_025$_{de}$	0.5	0.625	0.75	0.75	0.25	0.625	240	0.5	0.748	0.75	65.1	−5.6	−11.8	13.1	244.3	0.438	0.657	0.523	67.2	4.0	−26.5	26.8	278.7	17.7	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
376	G84B_087_037$_{de}$	0.5	0.625	0.875	0.875	0.375	0.687	251	0.5	0.772	0.875	68.8	−5.7	−20.5	21.3	254.3	0.449	0.726	0.646	66.9	6.6	−34.9	35.5	280.8	19.0	225	0.0	0.725	1.0	51.1	−15.3	−54.8	56.9	254.3
377	G88B_100_050$_{de}$	0.5	0.625	1.0	1.0	0.5	0.75	256	0.5	0.815	1.0	71.8	−5.4	−27.8	28.3	258.9	0.465	0.77	0.745	62.2	9.3	−40.7	41.8	282.8	21.8	231	0.0	0.631	1.0	49.4	−10.8	−55.7	56.7	258.9
378	Y31G_075_075$_{de}$	0.5	0.75	0.0	0.75	0.75	0.375	109	0.446	0.75	0.0	63.4	−20.0	44.0	48.3	114.4	0.436	0.721	0.027	67.5	−17.2	53.1	55.9	107.9	10.4	113	0.595	1.0	0.0	77.8	−26.7	58.7	64.5	114.4
379	Y38G_075_062$_{de}$	0.5	0.75	0.125	0.75	0.625	0.437	113	0.461	0.75	0.125	63.5	−19.0	34.2	39.2	119.1	0.422	0.702	0.091	69.5	−16.7	39.5	42.9	113.0	8.3	117	0.539	1.0	0.0	74.7	−30.5	54.8	62.7	119.1
380	Y50G_075_050$_{de}$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.458	0.75	0.25	63.3	−18.2	23.9	30.1	127.2	0.408	0.69	0.164	69.6	−14.9	22.0	26.6	124.2	7.3	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
381	Y68G_075_037$_{de}$	0.5	0.75	0.375	0.75	0.375	0.562	131	0.48	0.75	0.375	64.0	−17.3	14.4	22.5	140.0	0.414	0.701	0.257	70.9	−12.8	8.3	15.3	147.0	10.2	134	0.28	1.0	0.0	63.1	−46.1	38.6	60.2	140.0
382	G00B_075_025$_{de}$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.515	65.6	−14.6	4.7	15.4	162.2	0.425	0.711	0.359	70.7	−8.3	−4.1	9.2	206.3	12.0	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
383	G25B_075_025$_{de}$	0.5	0.75	0.625	0.75	0.25	0.625	180	0.5	0.75	0.612	65.9	−11.6	−1.9	11.8	189.6	0.429	0.703	0.43	71.7	−4.7	−15.3	16.0	252.7	16.1	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
384	G50B_075_025$_{de}$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.68	66.1	−8.6	−6.5	10.8	216.9	0.439	0.689	0.48	73.1	−2.5	−27.8	27.9	264.8	23.2	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
385	G65B_087_037$_{de}$	0.5	0.75	0.875	0.875	0.375	0.687	229	0.5	0.875	0.842	69.7	−10.6	−14.7	18.2	234.3	0.436	0.775	0.6	72.1	−0.3	−34.2	34.2	269.4	22.1	205	0.0	1.0	0.912	53.7	−28.3	−39.4	48.5	234.3
386	G75B_100_050$_{de}$	0.5	0.75	1.0	1.0	0.5	0.75	240	0.5	0.996	1.0	73.1	−11.3	−23.6	26.2	244.3	0.448	0.847	0.729	68.6	0.5	−41.3	41.3	270.7	21.8	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
387	Y41G_087_087$_{de}$	0.5	0.875	0.0	0.875	0.875	0.437	115	0.446	0.875	0.0	66.5	−28.2	46.1	54.1	121.4	0.406	0.831	0.013	72.3	−24.4	55.3	60.4	113.8	11.4	119	0.51	1.0	0.0	73.2	−32.2	52.7	61.8	121.4
388	Y50G_087_075$_{de}$	0.5	0.875	0.125	0.875	0.75	0.5	120	0.437	0.875	0.125	66.5	−27.3	35.9	45.1	127.2	0.395	0.804	0.085	74.4	−23.7	42.3	48.5	119.2	10.8	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
389	Y61G_087_062$_{de}$	0.5	0.875	0.25	0.875	0.625	0.562	127	0.452	0.875	0.25	66.9	−26.6	26.2	37.4	135.4	0.39	0.801	0.162	73.7	−22.9	23.4	32.7	134.4	8.3	131	0.323	1.0	0.0	65.3	−42.6	42.0	59.9	135.4
390	Y76G_087_050$_{de}$	0.5	0.875	0.375	0.875	0.5	0.625	136	0.483	0.875	0.375	68.0	−25.0	16.9	30.2	145.9	0.407	0.817	0.253	74.0	−21.5	11.3	24.3	152.2	8.9	138	0.217	1.0	0.0	60.3	−50.1	33.9	60.5	145.9
391	G00B_087_037$_{de}$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.523	69.8	−22.0	7.0	23.1	162.2	0.425	0.821	0.374	75.4	−18.9	1.1	19.0	176.6	8.7	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
392	G15B_087_037$_{de}$	0.5	0.875	0.625	0.875	0.375	0.687	169	0.5	0.875	0.622	69.9	−19.2	0.1	19.2	179.5	0.423	0.813	0.448	76.7	−14.7	−9.6	17.5	213.1	12.7	168	0.0	1.0	0.325	54.1	−51.3	0.3	51.3	179.5
393	G34B_087_037$_{de}$	0.5	0.875	0.75	0.875	0.375	0.687	191	0.5	0.875	0.707	70.5	−15.8	−5.6	16.8	199.6	0.435	0.805	0.515	76.2	−10.1	−22.7	24.9	246.0	18.9	183	0.0	1.0	0.554	55.6	−42.2	−15.0	44.8	199.6
394	G50B_087_037$_{de}$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.771	70.6	−13.0	−9.7	16.2	216.9	0.444	0.793	0.559	76.2	−5.0	−35.6	36.0	261.9	27.6	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
395	G61B_100_050$_{de}$	0.5	0.875	1.0	1.0	0.5	0.75	224	0.5	1.0	0.935	74.3	−15.1	−17.8	23.4	229.7	0.459	0.928	0.702	73.6	−3.3	−39.8	40.0	265.2	24.9	203	0.0	1.0	0.871	54.4	−30.2	−35.7	46.8	229.7
396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2	0.417	1.0	0.0	72.6	−32.8	51.9	61.5	122.3	6.1	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
397	Y58G_100_087$_{de}$	0.5	1.0	0.125	1.0	0.875	0.562	125	0.426	1.0	0.125	69.9	−35.7	38.2	52.3	133.0	0.42	1.0	0.112	73.9	−31.0	42.6	52.7	126.1	7.5	130	0.344	1.0	0.0	66.5	−40.8	43.6	59.8	133.0
398	Y68G_100_075$_{de}$	0.5	1.0	0.25	1.0	0.75	0.625	131	0.46	1.0	0.25	70.9	−34.6	28.9	45.1	140.0	0.439	1.0	0.208	73.1	−30.8	27.6	41.4	138.0	4.5	134	0.28	1.0	0.0	63.1	−46.1	38.6	60.2	140.0
399	Y81G_100_062$_{de}$	0.5	1.0	0.375	1.0	0.625	0.687	139	0.48	1.0	0.375	72.0	−32.7	19.3	38.0	149.4	0.375	1.0	0.25	74.9	−25.4	13.1	28.6	152.7	10.0	140	0.169	1.0	0.0	58.7	−52.3	30.9	60.8	149.4
400	G00B_100_050$_{de}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.531	74.0	−29.3	9.4	30.8	162.2	0.469	1.0	0.376	75.9	−21.5	3.3	21.8	171.1	10.0	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
401	G11B_100_050$_{de}$	0.5	1.0	0.625	1.0	0.5	0.75	164	0.5	1.0	0.626	74.0	−26.5	2.3	26.6	175.0	0.462	1.0	0.501	76.4	−18.3	−5.5	19.1	196.8	11.6	164	0.0	1.0	0.252	53.7	−53.1	4.6	53.3	175.0
402	G25B_100_050$_{de}$	0.5	1.0	0.75	1.0	0.5	0.75	180	0.5	1.0	0.724	74.6	−23.3	−3.9	23.7	189.6	0.435	0.874	0.501	76.2	−13.1	−19.6	23.6	236.3	18.8	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
403	G38B_100_050$_{de}$	0.5	1.0	0.875	1.0	0.5	0.75	196	0.5	1.0	0.8	75.0	−20.1	−9.0	22.0	204.2	0.478	1.0	0.623	75.4	−10.0	−28.8	30.5	250.7	22.2	186	0.0	1.0	0.601	55.8	−40.2	−18.0	44.1	204.2
404	G50B_100_050$_{de}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.861	75.1	−17.3	−13.0	21.7	216.9	0.479	1.0	0.688	74.6	−5.6	−38.5	39.0	261.6	28.0	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9

Mean color difference of this page: delta 14.0

1−1132330−F0

RE670−7N, Page 24/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^*$

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

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 25/33

n	HIC*$_{\mathrm{Fde}}$	*rgb*$_{\mathrm{\_Fde}}$			*ict*$_{\mathrm{\_Fde}}$			*h*$_{\mathrm{si\_F,de}}$	*rgb**$_{\mathrm{Fde}}$			*LabCh**$_{\mathrm{Fde}}$					*rgb'**$_{\mathrm{Fde}}$			*LabCh'**$_{\mathrm{Fde}}$					*DE'**$_{\mathrm{Fde}}$	*h*$_{\mathrm{siM,de}}$	*rgb**$_{\mathrm{Mde}}$			*LabCh**$_{\mathrm{Mde}}$				
405	R00Y_062_062$_{\mathrm{de}}$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	36.2	38.5	18.3	42.7	25.4	0.601	0.024	0.071	34.8	43.2	21.5	48.2	26.4	5.7	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
406	R31Y_062_062$_{\mathrm{de}}$	0.625	0.0	0.125	0.625	0.625	0.312	379	0.625	0.0	0.192	35.6	38.5	9.0	39.6	13.2	0.584	0.016	0.194	35.8	41.9	14.8	44.4	19.4	6.6	372	1.0	0.0	0.308	44.9	61.6	14.4	63.3	13.2
407	R11Y_062_062$_{\mathrm{de}}$	0.625	0.0	0.25	0.625	0.625	0.312	367	0.625	0.0	0.373	35.6	41.0	−0.1	41.0	359.8	0.594	0.021	0.331	34.7	43.1	6.6	43.6	8.7	7.1	353	1.0	0.0	0.598	44.9	65.7	−0.1	65.7	359.8
408	B69R_062_062$_{\mathrm{de}}$	0.625	0.0	0.375	0.625	0.625	0.312	353	0.625	0.0	0.513	36.1	43.5	−7.3	44.1	350.4	0.585	0.023	0.442	34.7	45.0	−2.2	45.1	357.2	5.5	339	1.0	0.0	0.821	45.8	69.6	−11.7	70.6	350.4
409	B59R_062_062$_{\mathrm{de}}$	0.625	0.0	0.5	0.625	0.625	0.312	341	0.488	0.0	0.625	33.2	38.1	−14.6	40.8	339.0	0.421	0.014	0.466	36.0	48.2	−9.6	49.1	348.6	11.5	318	0.781	0.0	1.0	41.1	61.0	−23.4	65.4	339.0
410	B50R_062_062$_{\mathrm{de}}$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.34	0.0	0.625	30.2	32.3	−19.7	37.9	328.6	0.296	0.0	0.478	36.6	52.3	−16.5	54.8	342.4	21.1	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
411	B42R_075_075$_{\mathrm{de}}$	0.625	0.0	0.75	0.75	0.75	0.375	321	0.249	0.0	0.75	29.2	32.5	−27.2	42.4	320.0	0.23	0.0	0.558	37.7	52.6	−21.9	57.0	337.3	22.4	289	0.333	0.0	1.0	32.3	43.4	−36.3	56.6	320.0
412	B36R_087_087$_{\mathrm{de}}$	0.625	0.0	0.875	0.875	0.875	0.437	314	0.187	0.0	0.875	29.6	32.8	−34.6	47.7	313.4	0.158	0.01	0.639	38.2	54.0	−26.7	60.2	333.6	24.2	281	0.213	0.0	1.0	31.0	37.5	−39.6	54.5	313.4
413	B31R_100_100$_{\mathrm{de}}$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.133	0.0	1.0	31.3	32.5	−42.0	53.1	307.7	0.134	0.0	1.0	38.2	54.8	−29.4	62.2	331.7	26.4	277	0.133	0.0	1.0	31.3	32.5	−42.0	53.1	307.7
414	R18Y_062_062$_{\mathrm{de}}$	0.625	0.125	0.0	0.625	0.625	0.312	41	0.625	0.075	0.0	39.8	35.8	27.7	45.2	37.7	0.65	0.087	0.016	40.1	29.8	30.9	42.9	46.0	6.8	36	1.0	0.121	0.0	51.6	57.2	44.3	72.4	37.7
415	R00Y_062_050$_{\mathrm{de}}$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	42.2	30.8	14.7	34.2	25.4	0.629	0.122	0.178	42.6	29.6	19.0	35.2	32.7	4.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
416	R26Y_062_050$_{\mathrm{de}}$	0.625	0.125	0.25	0.625	0.5	0.375	376	0.625	0.125	0.315	41.6	31.1	5.4	31.5	9.8	0.614	0.129	0.286	41.7	31.2	8.4	32.3	15.1	3.0	367	1.0	0.0	0.38	44.7	62.2	10.8	63.1	9.8
417	R00Y_062_050$_{\mathrm{de}}$	0.625	0.125	0.375	0.625	0.5	0.375	360	0.625	0.125	0.513	42.0	34.3	−4.7	34.6	352.0	0.606	0.132	0.424	41.8	33.4	−0.9	33.4	358.4	3.9	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
418	B61R_062_050$_{\mathrm{de}}$	0.625	0.125	0.5	0.625	0.5	0.375	344	0.562	0.125	0.625	40.8	32.5	−10.6	34.2	341.8	0.526	0.135	0.456	42.3	39.0	−9.0	40.0	346.9	6.8	323	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8
419	B50R_062_050$_{\mathrm{de}}$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.397	0.125	0.625	37.5	25.9	−15.8	30.3	328.6	0.365	0.12	0.432	43.2	43.3	−17.1	46.5	338.4	18.3	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
420	B40R_075_062$_{\mathrm{de}}$	0.625	0.125	0.75	0.75	0.625	0.437	319	0.309	0.125	0.75	36.5	26.0	−23.3	34.9	318.1	0.317	0.114	0.541	44.3	45.6	−22.7	50.9	333.4	21.0	286	0.294	0.0	1.0	31.6	41.7	−37.3	55.9	318.1
421	B34R_087_075$_{\mathrm{de}}$	0.625	0.125	0.875	0.875	0.75	0.5	311	0.255	0.125	0.875	37.7	26.2	−30.6	40.3	310.5	0.272	0.115	0.649	43.8	50.8	−29.3	58.6	330.0	25.3	279	0.173	0.0	1.0	31.2	35.0	−40.8	53.8	310.5
422	B29R_100_087$_{\mathrm{de}}$	0.625	0.125	1.0	1.0	0.875	0.562	305	0.2	0.125	1.0	39.5	26.2	−37.6	45.9	304.9	0.248	0.151	0.78	42.3	48.6	−32.0	58.2	326.6	23.2	274	0.086	0.0	1.0	31.7	30.0	−43.0	52.5	304.9
423	R38Y_062_062$_{\mathrm{de}}$	0.625	0.25	0.0	0.625	0.625	0.312	53	0.625	0.178	0.0	45.1	25.5	31.6	40.6	51.0	0.656	0.196	0.035	44.3	18.0	35.6	39.9	63.1	8.5	46	1.0	0.285	0.0	60.1	40.8	50.5	64.9	51.0
424	R23Y_062_050$_{\mathrm{de}}$	0.625	0.25	0.125	0.625	0.5	0.375	44	0.625	0.205	0.125	46.1	26.6	23.1	35.3	41.0	0.659	0.183	0.107	48.9	18.2	21.5	28.2	49.7	8.9	38	1.0	0.16	0.0	53.7	53.2	46.3	70.6	41.0
425	R00Y_062_037$_{\mathrm{de}}$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	48.3	23.1	11.0	25.6	25.4	0.647	0.242	0.255	47.9	21.1	10.6	23.6	26.8	2.0	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
426	R18Y_062_037$_{\mathrm{de}}$	0.625	0.25	0.375	0.625	0.375	0.437	371	0.625	0.25	0.44	47.7	24.2	1.8	24.3	4.3	0.622	0.243	0.354	48.2	24.2	0.0	24.2	0.2	1.7	359	1.0	0.0	0.508	44.5	64.6	4.8	64.8	4.3
427	B65R_062_037$_{\mathrm{de}}$	0.625	0.25	0.5	0.625	0.375	0.437	349	0.625	0.25	0.617	48.6	26.5	−6.3	27.2	346.6	0.611	0.247	0.454	49.5	28.3	−9.2	29.8	341.8	3.6	331	1.0	0.0	0.979	46.7	70.7	−16.8	72.7	346.6
428	B50R_062_037$_{\mathrm{de}}$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.454	0.25	0.625	44.7	19.4	−11.8	22.7	328.6	0.448	0.239	0.432	50.5	33.0	−17.8	37.5	331.6	15.9	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
429	B38R_075_050$_{\mathrm{de}}$	0.625	0.25	0.75	0.75	0.5	0.5	316	0.37	0.25	0.75	44.0	19.5	−19.3	27.5	315.3	0.395	0.239	0.512	51.3	34.7	−22.1	41.1	327.4	17.0	283	0.24	0.0	1.0	30.9	39.1	−38.6	55.0	315.3
430	B30R_087_062$_{\mathrm{de}}$	0.625	0.25	0.875	0.875	0.625	0.562	307	0.324	0.25	0.875	45.7	19.8	−26.4	33.0	306.8	0.377	0.261	0.63	49.7	42.9	−31.8	53.4	323.3	24.0	276	0.119	0.0	1.0	31.4	31.7	−42.3	52.9	306.8
431	B25R_100_075$_{\mathrm{de}}$	0.625	0.25	1.0	1.0	0.75	0.625	300	0.252	0.25	1.0	47.8	19.4	−33.3	38.6	300.1	0.363	0.297	0.765	46.1	42.1	−34.1	54.2	320.9	22.7	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
432	R61Y_062_062$_{\mathrm{de}}$	0.625	0.375	0.0	0.625	0.625	0.312	67	0.625	0.308	0.0	50.8	15.5	36.0	39.2	66.6	0.667	0.321	0.039	48.2	7.9	39.1	39.9	78.4	8.5	59	1.0	0.493	0.0	69.3	24.8	57.7	62.8	66.6
433	R50Y_062_050$_{\mathrm{de}}$	0.625	0.375	0.125	0.625	0.5	0.375	60	0.625	0.319	0.125	51.7	16.2	26.9	31.5	58.8	0.653	0.304	0.107	55.2	9.1	26.6	28.2	71.1	7.9	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
434	R31Y_062_037$_{\mathrm{de}}$	0.625	0.375	0.25	0.625	0.375	0.437	49	0.625	0.335	0.25	52.5	17.2	18.2	25.0	46.6	0.655	0.315	0.199	54.7	12.7	13.2	18.4	45.9	7.0	42	1.0	0.228	0.0	57.3	45.9	48.6	66.9	46.6
435	R00Y_062_025$_{\mathrm{de}}$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	54.3	15.4	7.3	17.1	25.4	0.632	0.362	0.319	55.0	15.0	2.2	15.2	8.3	5.2	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
436	R00Y_062_025$_{\mathrm{de}}$	0.625	0.375	0.5	0.625	0.25	0.5	360	0.625	0.375	0.569	54.2	17.1	−2.3	17.3	352.0	0.611	0.358	0.425	56.2	18.3	−7.4	19.7	338.0	5.5	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
437	B50R_062_025$_{\mathrm{de}}$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.511	0.375	0.625	51.9	12.9	−7.9	15.1	328.6	0.508	0.36	0.433	57.1	23.1	−16.6	28.5	324.2	14.4	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
438	B34R_075_037$_{\mathrm{de}}$	0.625	0.375	0.75	0.75	0.375	0.562	311	0.44	0.375	0.75	52.0	13.1	−15.3	20.1	310.5	0.47	0.369	0.506	57.2	25.5	−22.0	33.7	319.2	15.0	279	0.173	0.0	1.0	31.2	35.0	−40.8	53.8	310.5
439	B25R_087_050$_{\mathrm{de}}$	0.625	0.375	0.875	0.875	0.5	0.625	300	0.376	0.375	0.875	54.0	12.9	−22.2	25.7	300.1	0.458	0.413	0.619	57.7	33.8	−32.3	46.8	316.3	23.5	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
440	B19R_100_062$_{\mathrm{de}}$	0.625	0.375	1.0	1.0	0.625	0.687	293	0.375	0.424	1.0	56.4	12.7	−29.3	32.0	293.5	0.452	0.448	0.76	53.1	33.0	−35.0	48.1	313.3	21.2	265	0.0	0.079	1.0	33.7	20.4	−46.9	51.2	293.5
441	R81Y_062_062$_{\mathrm{de}}$	0.625	0.5	0.0	0.625	0.625	0.312	79	0.625	0.436	0.0	56.1	6.8	38.9	39.5	80.0	0.651	0.434	0.054	57.6	0.5	48.3	48.3	89.3	11.3	72	1.0	0.699	0.0	77.8	10.9	62.2	63.2	80.0
442	R76Y_062_050$_{\mathrm{de}}$	0.625	0.5	0.125	0.625	0.5	0.375	76	0.625	0.452	0.125	57.0	7.3	31.0	31.9	76.7	0.634	0.416	0.112	61.9	1.6	34.6	34.6	87.3	8.3	70	1.0	0.655	0.0	75.4	14.6	62.1	63.9	76.7
443	R68Y_062_037$_{\mathrm{de}}$	0.625	0.5	0.25	0.625	0.375	0.437	71	0.625	0.463	0.25	58.0	7.7	22.6	23.8	71.1	0.627	0.432	0.194	61.5	4.0	19.3	19.7	78.2	6.0	64	1.0	0.569	0.0	71.9	20.5	60.2	63.6	71.1
444	R50Y_062_025$_{\mathrm{de}}$	0.625	0.5	0.375	0.625	0.25	0.5	60	0.625	0.472	0.375	59.0	8.1	13.4	15.7	58.8	0.623	0.453	0.286	62.3	6.8	6.2	9.2	42.3	8.1	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
445	R00Y_062_012$_{\mathrm{de}}$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	60.3	7.7	3.6	8.5	25.4	0.599	0.476	0.381	62.7	10.7	−5.6	12.1	332.1	10.0	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
446	B50R_062_012$_{\mathrm{de}}$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.568	0.5	0.625	59.2	6.4	−3.9	7.5	328.6	0.533	0.479	0.435	64.4	15.3	−16.1	22.2	313.5	15.9	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
447	B25R_075_025$_{\mathrm{de}}$	0.625	0.5	0.75	0.75	0.25	0.625	300	0.5	0.5	0.75	60.2	6.4	−11.1	12.8	300.1	0.51	0.506	0.522	63.8	18.5	−22.4	29.1	309.5	16.9	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
448	B15R_087_037$_{\mathrm{de}}$	0.625	0.5	0.875	0.875	0.375	0.687	289	0.5	0.547	0.875	62.6	6.4	−18.0	19.1	289.7	0.51	0.54	0.597	65.0	24.7	−32.3	40.7	307.3	23.2	263	0.0	0.125	1.0	34.5	17.2	−48.1	51.1	289.7
449	B11R_100_050$_{\mathrm{de}}$	0.625	0.5	1.0	1.0	0.5	0.75	284	0.5	0.59	1.0	64.7	6.6	−24.9	25.8	285.0	0.506	0.575	0.716	61.1	24.4	−34.6	42.4	305.1	20.5	260	0.0	0.18	1.0	35.1	13.3	−49.8	51.6	285.0
450	Y00G_062_062$_{\mathrm{de}}$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.583	0.0	61.8	−1.5	38.5	38.5	92.3	0.592	0.53	0.089	66.4	−6.2	56.3	56.6	96.3	18.9	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
451	Y00G_062_050$_{\mathrm{de}}$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.591	0.125	62.7	−1.2	30.8	30.8	92.3	0.581	0.53	0.148	69.2	−4.9	40.6	40.9	96.9	12.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
452	Y00G_062_037$_{\mathrm{de}}$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.599	0.25	63.6	−0.9	23.1	23.1	92.3	0.579	0.547	0.218	69.7	−2.8	24.5	24.7	96.5	6.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
453	Y00G_062_025$_{\mathrm{de}}$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.608	0.375	64.5	−0.6	15.4	15.4	92.3	0.571	0.563	0.287	70.3	0.1	10.8	10.8	89.3	7.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
454	Y00G_062_012$_{\mathrm{de}}$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.616	0.5	65.5	−0.3	7.7	7.7	92.3	0.559	0.581	0.357	71.3	3.7	−4.0	5.5	312.3	13.7	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
455	NW_062$_{\mathrm{de}}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	70.3	7.3	−12.9	14.8	299.7	15.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
456	B00R_075_012$_{\mathrm{de}}$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.671	0.75	68.9	0.2	−6.6	6.6	271.7	0.547	0.631	0.504	72.1	10.4	−22.6	24.9	294.8	19.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
457	B00R_087_025$_{\mathrm{de}}$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.717	0.875	71.4	0.4	−13.3	13.3	271.7	0.558	0.686	0.605	71.3	13.7	−30.3	33.2	294.4	21.5	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
458	B00R_100_037$_{\mathrm{de}}$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.763	1.0	73.9	0.6	−20.0	20.0	271.7	0.561	0.723	0.694	68.3	15.5	−35.0	38.3	293.9	21.8	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
459	Y15G_075_075$_{\mathrm{de}}$	0.625	0.75	0.0	0.75	0.75	0.375	99	0.549	0.75	0.0	70.1	−12.2	54.0	55.3	102.7	0.57	0.729	0.022	73.5	−10.0	61.0	61.9	99.3	8.1	104	0.733	1.0	0.0	86.8	−16.3	72.0	73.8	102.7
460	Y18G_075_062$_{\mathrm{de}}$	0.625	0.75	0.125	0.75	0.625	0.437	101	0.566	0.75	0.125	69.8	−11.7	43.2	44.8	105.1	0.558	0.711	0.097	74.7	−9.8	43.6	44.7	102.6	5.2	106	0.706	1.0	0.0	84.9	−18.7	69.2	71.7	105.1
461	Y23G_075_050$_{\mathrm{de}}$	0.625	0.75	0.25	0.75	0.5	0.5	104	0.582	0.75	0.25	69.6	−10.9	32.4	34.2	108.6	0.545	0.702	0.174	75.2	−7.8	28.4	29.5	105.4	7.5	109	0.665	1.0	0.0	82.1	−21.8	64.9	68.5	108.6
462	Y31G_075_037$_{\mathrm{de}}$	0.625	0.75	0.375	0.75	0.375	0.562	109	0.598	0.75	0.375	69.5	−10.0	22.0	24.1	114.4	0.538	0.698	0.253	75.8	−5.5	14.9	15.9	110.3	10.4	113	0.595	1.0	0.0	77.8	−26.7	58.7	64.5	114.4
463	Y50G_075_025$_{\mathrm{de}}$	0.625	0.75	0.5	0.75	0.25	0.625	120	0.604	0.75	0.5	69.5	−9.1	11.9	15.0	127.2	0.523	0.7	0.338	76.2	−2.4	3.3	4.1	126.6	12.8	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
464	G00B_075_012$_{\mathrm{de}}$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.632	70.6	−7.3	2.3	7.7	162.2	0.525	0.715	0.438	77.0	0.0	−9.6	9.6	270.4	15.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
465	G50B_075_012$_{\mathrm{de}}$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.715	70.9	−4.3	−3.2	5.4	216.9	0.537	0.704	0.497	78.1	3.6	−22.6	22.9	279.2	22.1	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
466	G75B_087_025$_{\mathrm{de}}$	0.625	0.75	0.875	0.875	0.25	0.75	240	0.625	0.873	0.875	74.4	−5.6	−11.8	13.1	244.3	0.538	0.779	0.617	77.4	5.9	−29.4	29.9	281.3	21.2	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
467	G84B_100_037$_{\mathrm{de}}$	0.625	0.75	1.0	1.0	0.375	0.812	251	0.625	0.897	1.0	78.0	−5.7	−20.5	21.3	254.3	0.557	0.845	0.741	74.1	5.5	−35.6	36.0	278.8	19.2	225	0.0	0.725	1.0	51.1	−15.3	−54.8	56.9	254.3
468	Y26G_087_087$_{\mathrm{de}}$	0.625	0.875	0.0	0.875	0.875	0.437	106	0.558	0.875	0.0	72.8	−20.7	54.2	58.1	110.9	0.526	0.842	0.021	79.6	−15.4	64.5	66.3	103.4	13.3	110	0.638	1.0	0.0	80.3	−23.7	62.0	66.4	110.9
469	Y31G_087_075$_{\mathrm{de}}$	0.625	0.875	0.125	0.875	0.75	0.5	109	0.571	0.875	0.125	72.6	−20.0	44.0	48.3	114.4	0.515	0.821	0.105	79.7	−15.8	50.2	52.6	107.4	10.2	113	0.595	1.0	0.0	77.8	−26.7	58.7	64.5	114.4
470	Y38G_087_062$_{\mathrm{de}}$	0.625	0.875	0.25	0.875	0.625	0.562	113	0.586	0.875	0.25	72.8	−19.0	34.2	39.2	119.1	0.517	0.818	0.178	78.6	−13.9	30.0	33.1	114.8	8.8	117	0.539	1.0	0.0	74.7	−30.5	54.8	62.7	119.1
471	Y50G_087_050$_{\mathrm{de}}$	0.625	0.875	0.375	0.875	0.5	0.625	120	0.583	0.875	0.375	72.6	−18.2	23.9	30.1	127.2	0.519	0.818	0.249	78.9	−13.2	18.1	22.4	126.1	9.9	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
472	Y68G_087_037$_{\mathrm{de}}$	0.625	0.875	0.5	0.875	0.375	0.687	131	0.605	0.875	0.5	73.3	−17.3	14.4	22.5	140.0	0.519	0.823	0.342	80.0	−10.7	6.7	12.7	148.0	12.1	134	0.28	1.0	0.0	63.1	−46.1	38.6	60.2	140.0
473	G00B_087_025$_{\mathrm{de}}$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.64	74.8	−14.6	4.7	15.4	162.2	0.532	0.834	0.46	81.4	−6.9	−5.2	8.6	217.3	14.2	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
474	G25B_087_025$_{\mathrm{de}}$	0.625	0.875	0.75	0.875	0.25	0.75	180	0.625	0.875	0.737	75.1	−11.6	−1.9	11.8	189.6	0.535	0.822	0.53	82.0	−3.9	−16.6	17.1	256.5	17.9	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
475	G50B_087_025$_{\mathrm{de}}$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.805	75.4	−8.6	−6.5	10.8	216.9	0.544	0.807	0.577	82.0	0.0	−31.0	31.0	270.1	26.8	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
476	G65B_100_037$_{\mathrm{de}}$	0.625	0.875	1.0	1.0	0.375	0.812	229	0.625	1.0	0.967	79.0	−10.6	−14.7	18.2	234.3	0.556	0.957	0.718	79.4	0.3	−34.7	34.7	270.5	22.8	205	0.0	1.0	0.912	53.7	−28.3	−39.4	48.5	234.3
477	Y36G_100_100$_{\mathrm{de}}$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.553	1.0	0.0	75.5	−29.6	55.8	63.1	117.9	0.554	1.0	0.0	79.4	−24.5	60.6	65.4	112.0	7.9	116	0.553	1.0	0.0	75.5	−29.6	55.8	63.1	117.9
478	Y41G_100_087$_{\mathrm{de}}$	0.625	1.0	0.125	1.0	0.875	0.562	115	0.571	1.0	0.125	75.8	−28.2	46.1	54.1	121.4	0.535	0.987	0.109	81.4	−22.6	51.0	55.8	113.9	9.3	119	0.51	1.0	0.0	73.2	−32.2	52.7	61.8	121.4
479	Y50G_100_075$_{\mathrm{de}}$	0.625	1.0	0.25	1.0	0.75	0.625	120	0.562	1.0	0.25	75.7	−27.3	35.9	45.1	127.2	0.541	0.986	0.203	80.3	−22.4	37.6	43.8	120.8	6.8	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
480	Y61G_100_062$_{\mathrm{de}}$	0.625	1.0	0.375	1.0	0.625	0.687	127	0.577	1.0	0.375	76.2	−26.6	26.2	37.4	135.4	0.548	1.0	0.301	79.3	−22.1	25.2	33.5	131.2	5.5	131	0.323	1.0	0.0	65.3	−42.6	42.0	59.9	135.4
481	Y76G_100_050$_{\mathrm{de}}$	0.625	1.0	0.5	1.0	0.5	0.75	136	0.608	1.0	0.5	77.3	−25.0	16.9	30.2	145.9	0.559	1.0	0.376	80.5	−17.3	9.4	19.7	151.4	11.2	138	0.217	1.0	0.0	60.3	−50.1	33.9	60.5	145.9
482	G00B_100_037$_{\mathrm{de}}$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.648	79.1	−22.0	7.0	23.1	162.2	0.572	1.0	0.501	82.3	−11.9	−1.2	12.0	186.1	13.4	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
483	G15B_100_037$_{\mathrm{de}}$	0.625	1.0	0.75	1.0	0.375	0.812	169	0.625	1.0	0.747	79.2	−19.2	0.1	19.2	179.5	0.501	0.874	0.501	82.6	−7.3	−13.8	15.6	242.1	18.6	168	0.0	1.0	0.325	54.1	−51.3	0.3	51.3	179.5
484	G34B_100_037$_{\mathrm{de}}$	0.625	1.0	0.875	1.0	0.375	0.812	191	0.625	1.0	0.832	79.7	−15.8	−5.6	16.8	199.6	0.559	1.0	0.623	81.2	−4.0	−25.0	25.3	260.8	22.7	183	0.0	1.0	0.554	55.6	−42.2	−15.0	44.8	199.6
485	G50B_100_037$_{\mathrm{de}}$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	0.896	79.9	−13.0	−9.7	16.2	216.9	0.57	1.0	0.696	80.5	−0.9	−33.4	33.4	268.3	26.5	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9

Mean color difference of this page: **delta** **13.5**

1−1132430−F0

RE670−7N, Page 25/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^*$

input: *rgb/cmyk* −> *rgb*$_{\mathrm{de}}$
output: 3D-linearization to *cmyk**$_{\mathrm{de}}$

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1132430−F0

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS

TUB material: code=rha4ta

application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization

F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 26/33

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			$h_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
486	R00Y_075_075$_{de}$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	39.4	46.3	22.0	51.3	25.4	0.738	0.028	0.044	38.1	49.4	22.0	54.1	24.0	3.3	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
487	R35Y_075_075$_{de}$	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.195	38.8	45.9	12.7	47.6	15.4	0.739	0.024	0.183	37.5	48.7	14.1	50.7	16.1	3.3	375	1.0	0.0	0.26	45.0	61.2	16.9	63.5	15.4
488	R18Y_075_075$_{de}$	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.381	38.4	48.4	3.6	48.6	4.3	0.758	0.023	0.359	37.0	48.7	8.4	49.4	9.7	4.9	359	1.0	0.0	0.508	44.5	64.6	4.8	64.8	4.3
489	R00Y_075_075$_{de}$	0.75	0.0	0.375	0.75	0.75	0.375	360	0.75	0.0	0.582	39.1	51.5	−7.1	52.0	352.0	0.753	0.035	0.541	36.4	50.1	1.5	50.2	1.7	9.2	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
490	B65R_075_075$_{de}$	0.75	0.0	0.5	0.75	0.75	0.375	349	0.75	0.0	0.734	40.0	53.0	−12.6	54.5	346.6	0.753	0.044	0.636	36.7	53.0	−6.1	53.4	353.3	7.2	331	1.0	0.0	0.979	46.7	70.7	−16.8	72.7	346.6
491	B57R_075_075$_{de}$	0.75	0.0	0.625	0.75	0.75	0.375	339	0.548	0.0	0.75	35.1	44.2	−18.6	48.0	337.1	0.495	0.02	0.603	37.1	55.9	−13.0	57.4	346.8	13.0	314	0.731	0.0	1.0	40.2	59.0	−24.8	64.0	337.1
492	B50R_075_075$_{de}$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.408	0.0	0.75	32.3	38.8	−23.7	45.5	328.6	0.353	0.014	0.601	38.2	56.8	−17.6	59.5	342.7	19.9	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
493	B43R_087_087$_{de}$	0.75	0.0	0.875	0.875	0.875	0.437	322	0.308	0.0	0.875	31.0	38.7	−31.3	49.8	321.0	0.281	0.005	0.72	39.2	57.7	−22.8	62.1	338.3	22.3	290	0.352	0.0	1.0	32.6	44.3	−35.8	56.9	321.0
494	B38R_100_100$_{de}$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.24	0.0	1.0	30.9	39.1	−38.6	55.0	315.3	0.242	0.0	1.0	40.5	59.7	−24.0	64.3	338.0	27.0	283	0.24	0.0	1.0	30.9	39.1	−38.6	55.0	315.3
495	R15Y_075_075$_{de}$	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.074	0.0	42.9	43.7	31.2	53.7	35.5	0.748	0.081	0.008	45.6	41.1	37.7	55.8	42.5	7.5	35	1.0	0.099	0.0	50.6	58.3	41.6	71.6	35.5
496	R00Y_075_062$_{de}$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	45.5	38.5	18.3	42.7	25.4	0.758	0.117	0.181	46.0	36.4	21.9	42.5	31.1	4.2	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
497	R31Y_075_062$_{de}$	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.317	44.8	38.5	9.0	39.6	13.2	0.749	0.124	0.328	45.3	37.4	13.7	39.8	20.1	4.8	372	1.0	0.0	0.308	44.9	61.6	14.4	63.3	13.2
498	R11Y_075_062$_{de}$	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.498	44.9	41.0	−0.1	41.0	359.8	0.741	0.134	0.465	44.6	39.1	6.2	39.6	9.0	6.6	353	1.0	0.0	0.598	44.9	65.7	−0.1	65.7	359.8
499	B69R_075_062$_{de}$	0.75	0.125	0.5	0.75	0.625	0.437	353	0.75	0.125	0.638	45.4	43.5	−7.3	44.1	350.4	0.741	0.141	0.571	44.5	43.2	−2.1	43.2	357.2	5.3	339	1.0	0.0	0.821	45.8	69.6	−11.7	70.6	350.4
500	B59R_075_062$_{de}$	0.75	0.125	0.625	0.75	0.625	0.437	341	0.613	0.125	0.75	42.5	38.1	−14.6	40.8	339.0	0.576	0.138	0.558	44.7	46.4	−10.6	47.6	347.1	9.4	318	0.781	0.0	1.0	41.1	61.0	−23.4	65.4	339.0
501	B50R_075_062$_{de}$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.465	0.125	0.75	39.5	32.3	−19.7	37.9	328.6	0.437	0.13	0.557	45.9	49.7	−18.2	53.0	339.9	18.6	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
502	B42R_087_075$_{de}$	0.75	0.125	0.875	0.875	0.75	0.5	321	0.374	0.125	0.875	38.5	32.5	−27.2	42.4	320.0	0.367	0.111	0.66	46.1	53.0	−23.9	58.2	335.6	22.0	289	0.333	0.0	1.0	32.3	43.4	−36.3	56.6	320.0
503	B36R_100_087$_{de}$	0.75	0.125	1.0	1.0	0.875	0.562	314	0.312	0.125	1.0	38.9	32.8	−34.6	47.7	313.4	0.325	0.118	0.782	45.6	54.1	−27.6	60.8	332.9	23.4	281	0.213	0.0	1.0	31.0	37.5	−39.6	54.5	313.4
504	R31Y_075_075$_{de}$	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.171	0.0	48.0	34.4	36.4	50.1	46.6	0.743	0.172	0.026	52.5	25.8	44.5	51.4	59.8	12.5	42	1.0	0.228	0.0	57.3	45.9	48.6	66.9	46.6
505	R18Y_075_062$_{de}$	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.2	0.125	49.0	35.8	27.7	45.2	37.7	0.775	0.167	0.104	52.2	26.4	25.6	36.8	44.1	10.1	36	1.0	0.121	0.0	51.6	57.2	44.3	72.4	37.7
506	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.5	30.8	14.7	34.2	25.4	0.768	0.23	0.268	51.9	27.5	15.1	31.4	28.8	3.3	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
507	R26Y_075_050$_{de}$	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.44	50.9	31.1	5.4	31.5	9.8	0.751	0.242	0.388	51.3	30.1	6.0	30.7	11.4	1.2	367	1.0	0.0	0.38	44.7	62.2	10.8	63.1	9.8
508	R00Y_075_050$_{de}$	0.75	0.25	0.5	0.75	0.5	0.5	360	0.75	0.25	0.638	51.3	34.3	−4.7	34.6	352.0	0.752	0.246	0.543	51.4	32.4	−1.9	32.5	356.5	3.4	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
509	B61R_075_050$_{de}$	0.75	0.25	0.625	0.75	0.5	0.5	344	0.687	0.25	0.75	50.1	32.5	−10.6	34.2	341.8	0.668	0.243	0.558	51.6	36.1	−10.6	37.6	343.5	3.9	323	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8
510	B50R_075_050$_{de}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.522	0.25	0.75	46.8	25.9	−15.8	30.3	328.6	0.512	0.237	0.53	52.5	40.0	−19.2	44.4	334.3	15.6	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
511	B40R_087_062$_{de}$	0.75	0.25	0.875	0.875	0.625	0.562	319	0.434	0.25	0.875	45.8	26.0	−23.3	34.9	318.1	0.458	0.242	0.632	53.6	43.4	−24.9	50.0	330.0	19.0	286	0.294	0.0	1.0	31.6	41.7	−37.3	55.9	318.1
512	B34R_100_075$_{de}$	0.75	0.25	1.0	1.0	0.75	0.625	311	0.38	0.25	1.0	46.9	26.2	−30.6	40.3	310.5	0.436	0.254	0.761	51.4	45.6	−29.7	54.4	326.8	19.8	279	0.173	0.0	1.0	31.2	35.0	−40.8	53.8	310.5
513	R50Y_075_075$_{de}$	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.291	0.0	53.6	24.4	40.4	47.2	58.8	0.753	0.277	0.033	57.0	16.6	47.3	50.1	70.6	10.9	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
514	R38Y_075_062$_{de}$	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.303	0.125	54.3	25.5	31.6	40.6	51.0	0.767	0.281	0.103	58.0	17.9	32.3	36.9	61.0	8.4	46	1.0	0.285	0.0	60.1	40.8	50.5	64.9	51.0
515	R23Y_075_050$_{de}$	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.33	0.25	55.4	26.6	23.1	35.3	41.0	0.785	0.293	0.198	57.5	18.9	18.5	26.4	44.3	9.2	38	1.0	0.16	0.0	53.7	53.2	46.3	70.6	41.0
516	R00Y_075_037$_{de}$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	57.5	23.1	11.0	25.6	25.4	0.771	0.364	0.354	57.3	21.3	8.3	22.9	21.3	3.2	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
517	R18Y_075_037$_{de}$	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.565	57.0	24.2	1.8	24.3	4.3	0.751	0.358	0.468	58.1	23.2	−0.4	23.2	359.0	2.6	359	1.0	0.0	0.508	44.5	64.6	4.8	64.8	4.3
518	B65R_075_037$_{de}$	0.75	0.375	0.625	0.75	0.375	0.562	349	0.75	0.375	0.742	57.8	26.5	−6.3	27.2	346.6	0.755	0.365	0.577	58.3	26.6	−10.3	28.5	338.8	4.0	331	1.0	0.0	0.979	46.7	70.7	−16.8	72.7	346.6
519	B50R_075_037$_{de}$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.579	0.375	0.75	54.0	19.4	−11.8	22.7	328.6	0.575	0.352	0.526	58.2	30.9	−18.7	36.1	328.8	14.0	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
520	B38R_087_050$_{de}$	0.75	0.375	0.875	0.875	0.5	0.625	316	0.495	0.375	0.875	53.3	19.5	−19.3	27.5	315.3	0.522	0.366	0.609	59.6	36.9	−25.8	45.1	325.0	19.6	283	0.24	0.0	1.0	30.9	39.1	−38.6	55.0	315.3
521	B30R_100_062$_{de}$	0.75	0.375	1.0	1.0	0.625	0.687	307	0.449	0.375	1.0	55.0	19.8	−26.4	33.0	306.8	0.51	0.386	0.75	56.6	39.7	−29.9	49.8	322.9	20.3	276	0.119	0.0	1.0	31.4	31.7	−42.3	52.9	306.8
522	R68Y_075_075$_{de}$	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.427	0.0	58.9	15.4	45.2	47.7	71.1	0.756	0.406	0.029	62.0	8.0	50.6	51.2	81.0	9.7	64	1.0	0.569	0.0	71.9	20.5	60.2	63.6	71.1
523	R61Y_075_062$_{de}$	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.433	0.125	60.1	15.5	36.0	39.2	66.6	0.755	0.415	0.112	64.3	9.2	38.6	39.6	76.5	8.0	59	1.0	0.493	0.0	69.3	24.8	57.7	62.8	66.6
524	R50Y_075_050$_{de}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.444	0.25	61.0	16.2	26.9	31.5	58.8	0.768	0.427	0.2	64.0	10.3	22.9	25.1	65.6	7.7	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
525	R31Y_075_037$_{de}$	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.46	0.375	61.8	17.2	18.2	25.0	46.6	0.779	0.442	0.294	63.9	12.8	12.1	17.6	43.2	7.8	42	1.0	0.228	0.0	57.3	45.9	48.6	66.9	46.6
526	R00Y_075_025$_{de}$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	63.6	15.4	7.3	17.1	25.4	0.758	0.487	0.436	64.2	15.1	2.1	15.3	8.2	5.2	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
527	R00Y_075_025$_{de}$	0.75	0.5	0.625	0.75	0.25	0.625	360	0.75	0.5	0.694	63.5	17.1	−2.3	17.3	352.0	0.738	0.485	0.543	64.8	19.0	−8.5	20.8	335.9	6.5	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
528	B50R_075_025$_{de}$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.636	0.5	0.75	61.2	12.9	−7.9	15.1	328.6	0.616	0.472	0.52	65.8	23.4	−18.7	30.0	321.3	15.8	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
529	B34R_087_037$_{de}$	0.75	0.5	0.875	0.875	0.375	0.687	311	0.565	0.5	0.875	61.3	13.1	−15.3	20.1	310.5	0.575	0.482	0.591	66.7	28.1	−26.0	38.3	317.2	19.2	279	0.173	0.0	1.0	31.2	35.0	−40.8	53.8	310.5
530	B25R_100_050$_{de}$	0.75	0.5	1.0	1.0	0.5	0.75	300	0.501	0.5	1.0	63.3	12.9	−22.2	25.7	300.1	0.563	0.519	0.701	65.0	32.1	−29.7	43.8	317.2	20.7	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
531	R85Y_075_075$_{de}$	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.545	0.0	64.5	6.3	46.6	47.0	82.2	0.74	0.529	0.055	70.7	0.7	58.9	58.9	89.2	14.8	74	1.0	0.727	0.0	79.4	8.4	62.2	62.7	82.2
532	R81Y_075_062$_{de}$	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.561	0.125	65.4	6.8	38.9	39.5	80.0	0.733	0.526	0.127	71.2	1.8	43.5	43.6	87.5	8.9	72	1.0	0.699	0.0	77.8	10.9	62.2	63.2	80.0
533	R76Y_075_050$_{de}$	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.577	0.25	66.3	7.3	31.0	31.9	76.7	0.744	0.541	0.195	71.1	3.6	27.1	27.3	82.4	7.3	70	1.0	0.655	0.0	75.4	14.6	62.1	63.9	76.7
534	R68Y_075_037$_{de}$	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.588	0.375	67.3	7.7	22.6	23.8	71.1	0.749	0.557	0.276	71.2	5.5	15.7	16.7	70.6	8.2	64	1.0	0.569	0.0	71.9	20.5	60.2	63.6	71.1
535	R50Y_075_025$_{de}$	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.597	0.5	68.3	8.1	13.4	15.7	58.8	0.74	0.576	0.382	71.2	8.4	5.5	10.0	33.3	8.4	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
536	R00Y_075_012$_{de}$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	69.6	7.7	3.6	8.5	25.4	0.706	0.598	0.48	71.7	11.3	−6.9	13.2	328.5	11.3	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
537	B50R_075_012$_{de}$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.693	0.625	0.75	68.4	6.4	−3.9	7.5	328.6	0.633	0.582	0.502	72.9	15.8	−18.0	23.9	311.3	17.4	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
538	B25R_087_025$_{de}$	0.75	0.625	0.875	0.875	0.25	0.75	300	0.625	0.625	0.875	69.5	6.4	−11.1	12.8	300.1	0.609	0.609	0.583	74.0	20.3	−25.7	32.7	308.2	20.6	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
539	B15R_100_037$_{de}$	0.75	0.625	1.0	1.0	0.375	0.812	289	0.625	0.672	1.0	71.8	6.4	−18.0	19.1	289.7	0.605	0.649	0.682	72.5	23.0	−29.2	37.2	308.2	19.9	263	0.0	0.125	1.0	34.5	17.2	−48.1	51.1	289.7
540	Y00G_075_075$_{de}$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.699	0.0	70.1	−1.8	46.2	46.2	92.3	0.69	0.628	0.094	79.1	−6.3	65.9	66.2	95.5	22.1	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
541	Y00G_075_062$_{de}$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.708	0.125	71.1	−1.5	38.5	38.5	92.3	0.689	0.638	0.158	78.1	−4.9	50.4	50.7	95.6	14.2	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
542	Y00G_075_050$_{de}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.716	0.25	72.0	−1.2	30.8	30.8	92.3	0.691	0.653	0.222	78.3	−3.3	32.8	33.0	95.7	6.9	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
543	Y00G_075_037$_{de}$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.724	0.375	72.9	−0.9	23.1	23.1	92.3	0.686	0.67	0.296	78.3	−0.7	20.6	20.6	92.1	5.9	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
544	Y00G_075_025$_{de}$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.733	0.5	73.8	−0.6	15.4	15.4	92.3	0.677	0.687	0.375	79.0	0.8	10.0	10.1	85.3	7.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
545	Y00G_075_012$_{de}$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.741	0.625	74.7	−0.3	7.7	7.7	92.3	0.659	0.703	0.452	79.1	4.8	−4.7	6.7	315.9	14.1	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
546	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	78.7	8.6	−15.0	17.3	299.8	17.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
547	B00R_087_012$_{de}$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.796	0.875	78.2	0.2	−6.6	6.6	271.7	0.656	0.765	0.614	81.3	10.4	−24.2	26.4	293.3	20.6	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
548	B00R_100_025$_{de}$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.842	1.0	80.7	0.4	−13.3	13.3	271.7	0.664	0.812	0.708	80.6	11.3	−29.5	31.6	291.0	19.5	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
549	Y13G_087_087$_{de}$	0.75	0.875	0.0	0.875	0.875	0.437	98	0.653	0.875	0.0	79.2	−13.2	64.1	65.5	101.6	0.645	0.844	0.008	86.3	−9.4	74.1	74.7	97.2	12.8	104	0.746	1.0	0.0	87.7	−15.1	73.3	74.9	101.6
550	Y15G_087_075$_{de}$	0.75	0.875	0.125	0.875	0.75	0.5	99	0.674	0.875	0.125	79.3	−12.2	54.0	55.3	102.7	0.659	0.835	0.096	83.8	−9.5	58.3	59.1	99.2	6.8	104	0.733	1.0	0.0	86.8	−16.3	72.0	73.8	102.7
551	Y18G_087_062$_{de}$	0.75	0.875	0.25	0.875	0.625	0.562	101	0.691	0.875	0.25	79.1	−11.7	43.2	44.8	105.1	0.659	0.838	0.173	82.9	−8.5	37.6	38.6	102.7	7.4	106	0.706	1.0	0.0	84.9	−18.7	69.2	71.7	105.1
552	Y23G_087_050$_{de}$	0.75	0.875	0.375	0.875	0.5	0.625	104	0.707	0.875	0.375	78.9	−10.9	32.4	34.2	108.6	0.659	0.842	0.245	82.9	−7.0	26.3	27.3	104.9	8.2	109	0.665	1.0	0.0	82.1	−21.8	64.9	68.5	108.6
553	Y31G_087_037$_{de}$	0.75	0.875	0.5	0.875	0.375	0.687	109	0.723	0.875	0.5	78.8	−10.0	22.0	24.1	114.4	0.653	0.838	0.345	84.1	−5.3	15.5	16.4	108.9	9.5	113	0.595	1.0	0.0	77.8	−26.7	58.7	64.5	114.4
554	Y50G_087_025$_{de}$	0.75	0.875	0.625	0.875	0.25	0.75	120	0.729	0.875	0.625	78.8	−9.1	11.9	15.0	127.2	0.635	0.837	0.441	84.5	−1.4	2.8	3.1	116.6	13.2	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
555	G00B_087_012$_{de}$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.757	79.9	−7.3	2.3	7.7	162.2	0.633	0.847	0.544	86.6	1.2	−10.0	10.1	277.0	16.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
556	G50B_087_012$_{de}$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.84	80.2	−4.3	−3.2	5.4	216.9	0.644	0.831	0.6	87.0	5.4	−25.2	25.8	282.1	25.0	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
557	G75B_100_025$_{de}$	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.998	1.0	83.7	−5.6	−11.8	13.1	244.3	0.657	0.968	0.746	85.5	4.1	−29.0	29.3	278.0	19.9	210	0.0	0.992	1.0	52.0	−22.6	−47.2	52.4	244.3
558	Y23G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.665	1.0	0.0	82.1	−21.8	64.9	68.5	108.6	0.664	1.0	0.0	87.9	−14.8	73.6	75.1	101.3	12.6	109	0.665	1.0	0.0	82.1	−21.8	64.9	68.5	108.6
559	Y26G_100_087$_{de}$	0.75	1.0	0.125	1.0	0.875	0.562	106	0.683	1.0	0.125	82.0	−20.7	54.2	58.1	110.9	0.646	0.986	0.103	87.3	−14.9	59.2	61.0	104.1	9.2	110	0.638	1.0	0.0	80.3	−23.7	62.0	66.4	110.9
560	Y31G_100_075$_{de}$	0.75	1.0	0.25	1.0	0.75	0.625	109	0.696	1.0	0.25	81.9	−20.0	44.0	48.3	114.4	0.651	0.985	0.202	87.1	−15.3	45.6	48.1	108.5	7.1	113	0.595	1.0	0.0	77.8	−26.7	58.7	64.5	114.4
561	Y38G_100_062$_{de}$	0.75	1.0	0.375	1.0	0.625	0.687	113	0.711	1.0	0.375	82.0	−19.0	34.2	39.2	119.1	0.67	0.988	0.314	85.7	−15.9	36.8	40.1	113.3	5.4	117	0.539	1.0	0.0	74.7	−30.5	54.8	62.7	119.1
562	Y50G_100_050$_{de}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.708	1.0	0.5	81.9	−18.2	23.9	30.1	127.2	0.67	0.996	0.422	85.2	−14.4	24.2	28.1	120.7	5.0	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
563	Y68G_100_037$_{de}$	0.75	1.0	0.625	1.0	0.375	0.812	131	0.73	1.0	0.625	82.5	−17.3	14.4	22.5	140.0	0.672	1.0	0.501	85.4	−10.1	8.2	13.0	140.9	9.9	134	0.28	1.0	0.0	63.1	−46.1	38.6	60.2	140.0
564	G00B_100_025$_{de}$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.765	84.1	−14.6	4.7	15.4	162.2	0.675	1.0	0.623	87.3	−4.6	−3.7	5.9	219.3	13.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
565	G25B_100_025$_{de}$	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.862	84.4	−11.6	−1.9	11.8	189.6	0.625	1.0	0.625	86.1	−0.9	−18.4	18.4	266.9	19.7	176	0.0	1.0	0.449	55.0	−46.7	−7.9	47.4	189.6
566	G50B_100_025$_{de}$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	0.93	84.7	−8.6	−6.5	10.8	216.9	0.675	1.0	0.734	85.1	2.7	−29.5	29.7	275.2	25.7	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9

Mean color difference of this page: delta 11.9

1−1132530−F0

RE670−7N, Page 26/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1

colors and differences, $\Delta E'^*$

input: *rgb/cmyk* −> rgb_{de}

output: 3D-linearization to $cmyk^*_{\mathrm{de}}$

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM

technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1132530−F0

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 27/33

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			*h*$_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	*h*$_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
567	R00Y_087_087$_{de}$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	42.7	54.0	25.7	59.8	25.4	0.865	0.015	0.011	41.9	55.1	24.1	60.1	23.6	2.0	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
568	R36Y_087_087$_{de}$	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.207	42.0	53.5	15.9	55.8	16.5	0.863	0.02	0.193	41.4	55.1	17.8	57.9	17.9	2.5	376	1.0	0.0	0.236	45.1	61.1	18.1	63.8	16.5
569	R23Y_087_087$_{de}$	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.378	41.5	55.3	7.4	55.8	7.6	0.871	0.021	0.352	40.4	55.0	12.0	56.3	12.3	4.7	364	1.0	0.0	0.432	44.6	63.2	8.5	63.8	7.6
570	R08Y_087_087$_{de}$	0.875	0.0	0.375	0.875	0.875	0.437	365	0.875	0.0	0.564	42.0	58.0	−2.4	58.1	357.6	0.869	0.033	0.536	40.3	56.7	5.1	56.9	5.1	7.8	350	1.0	0.0	0.645	45.1	66.3	−2.7	66.4	357.6
571	B70R_087_087$_{de}$	0.875	0.0	0.5	0.875	0.875	0.437	355	0.875	0.0	0.673	42.3	59.9	−8.1	60.5	352.3	0.871	0.041	0.631	40.5	58.2	−1.6	58.2	358.3	6.9	342	1.0	0.0	0.769	45.5	68.5	−9.2	69.1	352.3
572	B63R_087_087$_{de}$	0.875	0.0	0.625	0.875	0.875	0.437	346	0.813	0.0	0.875	41.6	59.0	−17.1	61.5	343.7	0.813	0.029	0.765	40.1	60.7	−8.4	61.3	352.0	9.0	326	0.929	0.0	1.0	44.6	67.5	−19.6	70.3	343.7
573	B56R_087_087$_{de}$	0.875	0.0	0.75	0.875	0.875	0.437	338	0.623	0.0	0.875	37.4	51.0	−22.5	55.7	336.1	0.593	0.008	0.74	41.3	62.8	−15.6	64.7	346.0	14.2	313	0.712	0.0	1.0	39.8	58.3	−25.7	63.7	336.1
574	B50R_087_087$_{de}$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.476	0.0	0.875	34.3	45.3	−27.6	53.1	328.6	0.437	0.011	0.75	42.1	63.8	−19.3	66.7	343.1	21.7	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
575	B44R_100_100$_{de}$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.371	0.0	1.0	33.0	45.1	−35.3	57.3	321.9	0.373	0.0	1.0	43.0	65.0	−21.2	68.4	341.8	26.2	291	0.371	0.0	1.0	33.0	45.1	−35.3	57.3	321.9
576	R13Y_087_087$_{de}$	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.077	0.0	46.3	51.5	35.2	62.4	34.3	0.862	0.068	0.0	50.7	49.5	43.0	65.6	40.9	9.1	34	1.0	0.088	0.0	50.0	58.8	40.2	71.3	34.3
577	R00Y_087_075$_{de}$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	48.7	46.3	22.0	51.3	25.4	0.845	0.127	0.2	50.2	48.2	29.6	56.6	31.6	7.9	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
578	R35Y_087_075$_{de}$	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.32	48.0	45.9	12.7	47.6	15.4	0.837	0.14	0.333	48.9	50.2	19.4	53.8	21.1	8.0	375	1.0	0.0	0.26	45.0	61.2	16.9	63.5	15.4
579	R18Y_087_075$_{de}$	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.506	47.6	48.4	3.6	48.6	4.3	0.834	0.147	0.477	47.7	51.6	11.4	52.9	12.5	8.4	359	1.0	0.0	0.508	44.5	64.6	4.8	64.8	4.3
580	R00Y_087_075$_{de}$	0.875	0.125	0.5	0.875	0.75	0.5	360	0.875	0.125	0.707	48.4	51.5	−7.1	52.0	352.0	0.838	0.16	0.627	46.8	55.6	4.0	55.8	4.1	12.0	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
581	B65R_087_075$_{de}$	0.875	0.125	0.625	0.875	0.75	0.5	349	0.875	0.125	0.859	49.3	53.0	−12.6	54.5	346.6	0.839	0.163	0.705	46.7	58.5	−5.6	58.7	354.5	9.2	331	1.0	0.0	0.979	46.7	70.7	−16.8	72.7	346.6
582	B57R_087_075$_{de}$	0.875	0.125	0.75	0.875	0.75	0.5	339	0.673	0.125	0.875	44.4	44.2	−18.6	48.0	337.1	0.645	0.133	0.679	47.8	61.3	−14.5	63.0	346.6	17.8	314	0.731	0.0	1.0	40.2	59.0	−24.8	64.0	337.1
583	B50R_087_075$_{de}$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.533	0.125	0.875	41.6	38.8	−23.7	45.5	328.6	0.501	0.131	0.694	48.2	61.7	−21.9	65.5	340.4	23.9	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
584	B43R_100_087$_{de}$	0.875	0.125	1.0	1.0	0.875	0.562	322	0.433	0.125	1.0	40.3	38.7	−31.3	49.8	321.0	0.436	0.124	0.796	47.9	59.5	−25.1	64.6	337.1	23.0	290	0.352	0.0	1.0	32.6	44.3	−35.8	56.9	321.0
585	R26Y_087_087$_{de}$	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.164	0.0	50.7	44.0	41.4	60.4	43.3	0.839	0.151	0.011	58.2	35.0	48.6	59.9	54.2	13.6	40	1.0	0.187	0.0	55.1	50.3	47.4	69.1	43.3
586	R15Y_087_075$_{de}$	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.199	0.125	52.2	43.7	31.2	53.7	35.5	0.87	0.164	0.124	57.2	34.8	35.2	49.5	45.2	10.9	35	1.0	0.099	0.0	50.6	58.3	41.6	71.6	35.5
587	R00Y_087_062$_{de}$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	54.7	38.5	18.3	42.7	25.4	0.865	0.226	0.283	56.9	35.9	21.4	41.8	30.8	4.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
588	R31Y_087_062$_{de}$	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.442	54.1	38.5	9.0	39.6	13.2	0.849	0.237	0.411	56.0	38.0	12.7	40.1	18.5	4.2	372	1.0	0.0	0.308	44.9	61.6	14.4	63.3	13.2
589	R11Y_087_062$_{de}$	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.623	54.1	41.0	−0.1	41.0	359.8	0.848	0.242	0.545	55.8	40.3	4.4	40.6	6.3	4.9	353	1.0	0.0	0.598	44.9	65.7	−0.1	65.7	359.8
590	B69R_087_062$_{de}$	0.875	0.25	0.625	0.875	0.625	0.562	353	0.875	0.25	0.763	54.7	43.5	−7.3	44.1	350.4	0.852	0.25	0.644	55.2	44.4	−4.6	44.6	353.9	2.8	339	1.0	0.0	0.821	45.8	69.6	−11.7	70.6	350.4
591	B59R_087_062$_{de}$	0.875	0.25	0.75	0.875	0.625	0.562	341	0.738	0.25	0.875	51.8	38.1	−14.6	40.8	339.0	0.747	0.247	0.68	56.2	46.6	−14.6	48.8	342.5	9.5	318	0.781	0.0	1.0	41.1	61.0	−23.4	65.4	339.0
592	B50R_087_062$_{de}$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.59	0.25	0.875	48.8	32.3	−19.7	37.9	328.6	0.582	0.24	0.644	56.9	50.2	−22.5	55.0	335.7	19.7	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
593	B42R_100_075$_{de}$	0.875	0.25	1.0	1.0	0.75	0.625	321	0.499	0.25	1.0	47.8	32.5	−27.2	42.4	320.0	0.531	0.239	0.766	55.8	52.4	−25.5	58.3	334.0	21.4	289	0.333	0.0	1.0	32.3	43.4	−36.3	56.6	320.0
594	R41Y_087_087$_{de}$	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.275	0.0	56.3	33.6	45.1	56.3	53.3	0.843	0.243	0.018	63.8	26.3	53.8	59.9	63.9	13.6	47	1.0	0.314	0.0	61.5	38.4	51.6	64.3	53.3
595	R31Y_087_075$_{de}$	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.296	0.125	57.3	34.4	36.4	50.1	46.6	0.87	0.253	0.111	62.3	25.7	38.1	46.0	55.9	10.1	42	1.0	0.228	0.0	57.3	45.9	48.6	66.9	46.6
596	R18Y_087_062$_{de}$	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.325	0.25	58.3	35.8	27.7	45.2	37.7	0.899	0.279	0.217	62.0	26.9	24.0	36.0	41.7	10.2	36	1.0	0.121	0.0	51.6	57.2	44.3	72.4	37.7
597	R00Y_087_050$_{de}$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.375	60.8	30.8	14.7	34.2	25.4	0.88	0.359	0.379	61.4	29.0	14.8	32.6	27.0	1.9	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
598	R26Y_087_050$_{de}$	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.565	60.2	31.1	5.4	31.5	9.8	0.853	0.355	0.488	61.9	31.0	5.7	31.5	10.4	1.7	367	1.0	0.0	0.38	44.7	62.2	10.8	63.1	9.8
599	R00Y_087_050$_{de}$	0.875	0.375	0.625	0.875	0.5	0.625	360	0.875	0.375	0.763	60.6	34.3	−4.7	34.6	352.0	0.859	0.361	0.632	61.7	33.5	−2.9	33.6	354.9	2.3	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
600	B61R_087_050$_{de}$	0.875	0.375	0.75	0.875	0.5	0.625	344	0.812	0.375	0.875	59.3	32.5	−10.6	34.2	341.8	0.807	0.364	0.67	62.1	38.8	−14.5	41.4	339.4	7.9	323	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8
601	B50R_087_050$_{de}$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.647	0.375	0.875	56.0	25.9	−15.8	30.3	328.6	0.648	0.351	0.627	63.2	41.9	−23.0	47.9	331.1	19.0	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
602	B40R_100_062$_{de}$	0.875	0.375	1.0	1.0	0.625	0.687	319	0.559	0.375	1.0	55.1	26.0	−23.3	34.9	318.1	0.591	0.349	0.748	62.1	43.9	−26.8	51.4	328.5	19.4	286	0.294	0.0	1.0	31.6	41.7	−37.3	55.9	318.1
603	R58Y_087_087$_{de}$	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.405	0.0	62.0	23.7	49.6	55.0	64.4	0.842	0.378	0.021	67.5	17.5	56.5	59.2	72.7	10.8	57	1.0	0.463	0.0	68.0	27.1	56.7	62.8	64.4
604	R50Y_087_075$_{de}$	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.416	0.125	62.9	24.4	40.4	47.2	58.8	0.867	0.392	0.108	68.1	17.9	42.0	45.6	66.8	8.3	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
605	R38Y_087_062$_{de}$	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.428	0.25	63.6	25.5	31.6	40.6	51.0	0.887	0.406	0.197	67.5	18.4	25.5	31.5	54.2	10.0	46	1.0	0.285	0.0	60.1	40.8	50.5	64.9	51.0
606	R23Y_087_050$_{de}$	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.455	0.375	64.7	26.6	23.1	35.3	41.0	0.907	0.431	0.305	67.2	20.0	16.4	25.9	39.3	9.7	38	1.0	0.16	0.0	53.7	53.2	46.3	70.6	41.0
607	R00Y_087_037$_{de}$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	66.8	23.1	11.0	25.6	25.4	0.88	0.484	0.454	67.7	22.2	7.4	23.4	18.4	3.8	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
608	R18Y_087_037$_{de}$	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.69	66.3	24.2	1.8	24.3	4.3	0.856	0.478	0.558	68.1	25.1	−2.2	25.2	354.9	4.5	359	1.0	0.0	0.508	44.5	64.6	4.8	64.8	4.3
609	B65R_087_037$_{de}$	0.875	0.5	0.75	0.875	0.375	0.687	349	0.875	0.5	0.867	67.1	26.5	−6.3	27.2	346.6	0.858	0.49	0.66	68.1	29.7	−12.9	32.4	336.5	7.4	331	1.0	0.0	0.979	46.7	70.7	−16.8	72.7	346.6
610	B50R_087_037$_{de}$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.704	0.5	0.875	63.3	19.4	−11.8	22.7	328.6	0.703	0.476	0.627	69.4	33.6	−22.4	40.5	326.2	18.8	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
611	B38R_100_050$_{de}$	0.875	0.5	1.0	1.0	0.5	0.75	316	0.62	0.5	1.0	62.6	19.5	−19.3	27.5	315.3	0.637	0.471	0.697	70.0	36.8	−25.3	44.7	325.4	19.7	283	0.24	0.0	1.0	30.9	39.1	−38.6	55.0	315.3
612	R73Y_087_087$_{de}$	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.548	0.0	67.1	15.0	54.2	56.3	74.4	0.849	0.511	0.014	74.7	9.5	62.8	63.5	81.3	12.7	68	1.0	0.626	0.0	73.8	17.2	62.0	64.3	74.4
613	R68Y_087_075$_{de}$	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.552	0.125	68.2	15.4	45.2	47.7	71.1	0.855	0.518	0.102	73.9	9.7	51.0	51.9	79.1	9.9	64	1.0	0.569	0.0	71.9	20.5	60.2	63.6	71.1
614	R61Y_087_062$_{de}$	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.558	0.25	69.3	15.5	36.0	39.2	66.6	0.868	0.537	0.184	73.4	10.9	29.9	31.9	69.8	8.6	59	1.0	0.493	0.0	69.3	24.8	57.7	62.8	66.6
615	R50Y_087_050$_{de}$	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.569	0.375	70.3	16.2	26.9	31.5	58.8	0.887	0.554	0.272	73.3	12.6	20.8	24.3	58.7	7.7	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
616	R31Y_087_037$_{de}$	0.875	0.625	0.5	0.875	0.375	0.687	49	0.875	0.585	0.5	71.1	17.2	18.2	25.0	46.6	0.891	0.572	0.399	74.0	14.0	10.3	17.5	36.3	8.9	42	1.0	0.228	0.0	57.3	45.9	48.6	66.9	46.6
617	R00Y_087_025$_{de}$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	72.9	15.4	7.3	17.1	25.4	0.864	0.606	0.527	73.6	16.9	−0.3	16.9	358.6	7.9	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
618	R00Y_087_025$_{de}$	0.875	0.625	0.75	0.875	0.25	0.75	360	0.875	0.625	0.819	72.8	17.1	−2.3	17.3	352.0	0.854	0.611	0.632	74.2	21.3	−12.3	24.6	329.9	10.9	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
619	B50R_087_025$_{de}$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.761	0.625	0.875	70.5	12.9	−7.9	15.1	328.6	0.748	0.601	0.631	76.4	25.7	−21.6	33.6	320.0	19.6	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
620	B34R_100_037$_{de}$	0.875	0.625	1.0	1.0	0.375	0.812	311	0.69	0.625	1.0	70.6	13.1	−15.3	20.1	310.5	0.694	0.601	0.69	76.9	30.0	−24.6	38.9	320.6	20.3	279	0.173	0.0	1.0	31.2	35.0	−40.8	53.8	310.5
621	R86Y_087_087$_{de}$	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.649	0.0	72.6	6.2	54.3	54.7	83.4	0.819	0.619	0.06	82.5	2.3	70.7	70.7	88.0	19.5	75	1.0	0.742	0.0	80.1	7.1	62.1	62.5	83.4
622	R85Y_087_075$_{de}$	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.67	0.125	73.8	6.3	46.6	47.0	82.2	0.831	0.639	0.142	80.5	1.8	56.9	56.9	88.1	13.0	74	1.0	0.727	0.0	79.4	8.4	62.2	62.7	82.2
623	R81Y_087_062$_{de}$	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.686	0.25	74.7	6.8	38.9	39.5	80.0	0.843	0.653	0.199	80.4	3.6	37.0	37.2	84.3	6.7	72	1.0	0.699	0.0	77.8	10.9	62.2	63.2	80.0
624	R76Y_087_050$_{de}$	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.702	0.375	75.5	7.3	31.0	31.9	76.7	0.854	0.668	0.262	80.2	5.1	26.7	27.2	79.0	6.7	70	1.0	0.655	0.0	75.4	14.6	62.1	63.9	76.7
625	R68Y_087_037$_{de}$	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.713	0.5	76.6	7.7	22.6	23.8	71.1	0.853	0.688	0.38	80.6	6.9	15.0	16.5	65.2	8.6	64	1.0	0.569	0.0	71.9	20.5	60.2	63.6	71.1
626	R50Y_087_025$_{de}$	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.722	0.625	77.6	8.1	13.4	15.7	58.8	0.847	0.701	0.487	80.6	10.4	3.3	10.9	18.0	10.7	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
627	R00Y_087_012$_{de}$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	78.9	7.7	3.6	8.5	25.4	0.82	0.73	0.583	81.4	12.7	−10.0	16.1	321.7	14.7	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
628	B50R_087_012$_{de}$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.818	0.75	0.875	77.7	6.4	−3.9	7.5	328.6	0.759	0.723	0.618	83.6	16.7	−20.9	26.7	308.6	20.6	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
629	B25R_100_025$_{de}$	0.875	0.75	1.0	1.0	0.25	0.875	300	0.75	0.75	1.0	78.7	6.4	−11.1	12.8	300.1	0.735	0.748	0.693	84.3	19.6	−24.5	31.3	308.6	19.5	270	0.003	0.0	1.0	32.3	25.8	−44.4	51.4	300.1
630	Y00G_087_087$_{de}$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.816	0.0	78.5	−2.1	53.9	53.9	92.3	0.791	0.738	0.109	87.8	−5.5	75.2	75.4	94.2	23.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
631	Y00G_087_075$_{de}$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.824	0.125	79.4	−1.8	46.2	46.2	92.3	0.799	0.756	0.174	86.6	−5.1	61.3	61.5	94.7	17.0	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
632	Y00G_087_062$_{de}$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.833	0.25	80.3	−1.5	38.5	38.5	92.3	0.808	0.776	0.234	86.2	−3.3	44.2	44.3	94.3	8.4	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
633	Y00G_087_050$_{de}$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.841	0.375	81.3	−1.2	30.8	30.8	92.3	0.81	0.797	0.321	85.6	−2.0	31.8	31.8	93.7	4.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
634	Y00G_087_037$_{de}$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.849	0.5	82.2	−0.9	23.1	23.1	92.3	0.81	0.816	0.414	86.9	0.1	20.4	20.4	89.6	5.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
635	Y00G_087_025$_{de}$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.858	0.625	83.1	−0.6	15.4	15.4	92.3	0.8	0.825	0.501	87.6	2.4	7.5	7.9	71.9	9.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
636	Y00G_087_012$_{de}$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.866	0.75	84.0	−0.3	7.7	7.7	92.3	0.784	0.849	0.577	88.1	5.0	−5.2	7.3	313.8	14.6	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
637	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	88.8	10.1	−18.2	20.9	299.1	21.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
638	B00R_100_012$_{de}$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.921	1.0	87.4	0.2	−6.6	6.6	271.7	0.781	0.917	0.749	90.1	11.7	−23.4	26.1	296.6	20.4	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
639	Y11G_100_100$_{de}$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.781	1.0	0.0	88.7	−13.7	74.2	75.5	100.4	0.78	1.0	0.0	91.1	−10.3	75.8	76.5	97.8	4.3	101	0.781	1.0	0.0	88.7	−13.7	74.2	75.5	100.4
640	Y13G_100_087$_{de}$	0.875	1.0	0.125	1.0	0.875	0.562	98	0.778	1.0	0.125	88.5	−13.2	64.1	65.5	101.6	0.794	1.0	0.1	89.9	−9.6	65.5	66.2	98.3	4.0	104	0.746	1.0	0.0	87.7	−15.1	73.3	74.9	101.6
641	Y15G_100_075$_{de}$	0.875	1.0	0.25	1.0	0.75	0.625	99	0.799	1.0	0.25	88.6	−12.2	54.0	55.3	102.7	0.816	1.0	0.194	88.8	−8.2	46.7	47.4	100.0	8.3	104	0.733	1.0	0.0	86.8	−16.3	72.0	73.8	102.7
642	Y18G_100_062$_{de}$	0.875	1.0	0.375	1.0	0.625	0.687	101	0.816	1.0	0.375	88.4	−11.7	43.2	44.8	105.1	0.825	1.0	0.299	89.4	−7.9	37.1	37.9	102.0	7.3	106	0.706	1.0	0.0	84.9	−18.7	69.2	71.7	105.1
643	Y23G_100_050$_{de}$	0.875	1.0	0.5	1.0	0.5	0.75	104	0.832	1.0	0.5	88.2	−10.9	32.4	34.2	108.6	0.825	1.0	0.431	90.1	−7.0	26.9	27.8	104.6	7.0	109	0.665	1.0	0.0	82.1	−21.8	64.9	68.5	108.6
644	Y31G_100_037$_{de}$	0.875	1.0	0.625	1.0	0.375	0.812	109	0.848	1.0	0.625	88.1	−10.0	22.0	24.1	114.4	0.815	1.0	0.539	90.8	−5.5	16.8	17.7	108.2	7.3	113	0.595	1.0	0.0	77.8	−26.7	58.7	64.5	114.4
645	Y50G_100_025$_{de}$	0.875	1.0	0.75	1.0	0.25	0.875	120	0.854	1.0	0.75	88.1	−9.1	11.9	15.0	127.2	0.803	1.0	0.623	91.3	−1.3	2.0	2.4	122.0	12.9	125	0.416	1.0	0.0	69.6	−36.4	47.9	60.2	127.2
646	G00B_100_012$_{de}$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.882	89.2	−7.3	2.3	7.7	162.2	0.786	1.0	0.741	91.7	3.9	−12.9	13.5	286.9	19.1	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
647	G50B_100_012$_{de}$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	0.965	89.4	−4.3	−3.2	5.4	216.9	0.787	1.0	0.749	90.9	7.4	−23.8	24.9	287.2	23.7	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
																	Mean color difference of this page:						**delta**		**11.5**									

1−1132630−F0

RE670−7N, Page 27/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1132630−F0

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS   TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 28/33

n	HIC^*_{Fde}	$rgb\_{}_{Fde}$			$ict\_{}_{Fde}$			$h_{si\_F,de}$	rgb^*_{Fde}			$LabCh^*_{Fde}$					rgb'^*_{Fde}			$LabCh'^*_{Fde}$					DE'^*_{Fde}	$h_{siM,de}$	rgb^*_{Mde}			$LabCh^*_{Mde}$				
648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4	1.0	0.0	0.0	45.9	61.7	29.3	68.3	25.4	0.0	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
649	R38Y_100_100$_{de}$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.212	45.3	61.1	19.4	64.1	17.6	1.0	0.0	0.212	46.0	60.8	24.1	65.4	21.6	4.7	378	1.0	0.0	0.212	45.3	61.1	19.4	64.1	17.6
650	R26Y_100_100$_{de}$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.38	44.7	62.2	10.8	63.1	9.8	0.999	0.0	0.382	45.0	61.1	17.4	63.6	15.9	6.7	367	1.0	0.0	0.38	44.7	62.2	10.8	63.1	9.8
651	R13Y_100_100$_{de}$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.575	44.8	65.4	1.1	65.4	0.9	1.0	0.0	0.575	44.8	62.0	11.0	63.0	10.1	10.5	354	1.0	0.0	0.575	44.8	65.4	1.1	65.4	0.9
652	R00Y_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0	1.0	0.0	0.775	44.4	64.5	5.3	64.7	4.7	15.5	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
653	B68R_100_100$_{de}$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.847	45.9	70.1	−13.0	71.3	349.4	0.998	0.003	0.845	45.1	65.9	−1.7	65.9	358.5	12.1	338	1.0	0.0	0.847	45.9	70.1	−13.0	71.3	349.4
654	B61R_100_100$_{de}$	1.0	0.0	0.75	1.0	1.0	0.5	344	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8	0.874	0.0	1.0	45.3	68.1	−8.3	68.6	353.0	13.5	323	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8
655	B55R_100_100$_{de}$	1.0	0.0	0.875	1.0	1.0	0.5	337	0.694	0.0	1.0	39.5	57.6	−26.5	63.4	335.2	0.692	0.0	1.0	46.1	70.6	−14.4	72.0	348.4	19.0	312	0.694	0.0	1.0	39.5	57.6	−26.5	63.4	335.2
656	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6	0.545	0.0	1.0	46.8	70.7	−17.3	72.8	346.2	25.9	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
657	R11Y_100_100$_{de}$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.077	0.0	49.5	59.3	38.9	70.9	33.2	1.0	0.074	0.0	51.8	57.0	44.8	72.5	38.1	6.6	33	1.0	0.077	0.0	49.5	59.3	38.9	70.9	33.2
658	R00Y_100_087$_{de}$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	51.9	54.0	25.7	59.8	25.4	0.959	0.161	0.247	51.1	58.9	37.2	69.7	32.2	12.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
659	R36Y_100_087$_{de}$	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.332	51.3	53.5	15.9	55.8	16.5	0.938	0.17	0.367	50.1	62.0	26.3	67.4	23.0	13.5	376	1.0	0.0	0.236	45.1	61.1	18.1	63.8	16.5
660	R23Y_100_087$_{de}$	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.503	50.8	55.3	7.4	55.8	7.6	0.929	0.173	0.498	49.3	64.8	17.2	67.1	14.9	13.7	364	1.0	0.0	0.432	44.6	63.2	8.5	63.8	7.6
661	R08Y_100_087$_{de}$	1.0	0.125	0.5	1.0	0.875	0.562	365	1.0	0.125	0.689	51.3	58.0	−2.4	58.1	357.6	0.935	0.187	0.628	48.9	67.3	10.2	68.1	8.6	15.9	350	1.0	0.0	0.645	45.1	66.3	−2.7	66.4	357.6
662	B70R_100_087$_{de}$	1.0	0.125	0.625	1.0	0.875	0.562	355	1.0	0.125	0.798	51.6	59.9	−8.1	60.5	352.3	0.937	0.182	0.703	48.0	70.8	0.7	70.8	0.6	14.4	342	1.0	0.0	0.769	45.5	68.5	−9.2	69.1	352.3
663	B63R_100_087$_{de}$	1.0	0.125	0.75	1.0	0.875	0.562	346	0.938	0.125	1.0	50.8	59.0	−17.1	61.5	343.7	0.893	0.165	0.807	48.9	72.0	−7.9	72.4	353.7	16.0	326	0.929	0.0	1.0	44.6	67.5	−19.6	70.3	343.7
664	B56R_100_087$_{de}$	1.0	0.125	0.875	1.0	0.875	0.562	338	0.748	0.125	1.0	46.6	51.0	−22.5	55.7	336.1	0.743	0.137	0.836	49.6	73.3	−15.3	74.9	348.2	23.6	313	0.712	0.0	1.0	39.8	58.3	−25.7	63.7	336.1
665	B50R_100_087$_{de}$	1.0	0.125	1.0	1.0	0.875	0.562	330	0.601	0.125	1.0	43.6	45.3	−27.6	53.1	328.6	0.579	0.138	0.813	51.0	69.1	−18.2	71.5	345.2	26.6	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
666	R23Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.16	0.0	53.7	53.2	46.3	70.6	41.0	1.0	0.16	0.0	58.5	43.6	49.1	65.7	48.4	11.0	38	1.0	0.16	0.0	53.7	53.2	46.3	70.6	41.0
667	R13Y_100_087$_{de}$	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.202	0.125	55.6	51.5	35.2	62.4	34.3	1.0	0.212	0.196	58.0	45.2	42.0	61.8	42.9	9.5	34	1.0	0.088	0.0	50.0	58.8	40.2	71.3	34.3
668	R00Y_100_075$_{de}$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	58.0	46.3	22.0	51.3	25.4	0.98	0.282	0.353	57.6	47.4	32.0	57.2	34.0	10.0	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
669	R35Y_100_075$_{de}$	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.445	57.3	45.9	12.7	47.6	15.4	0.952	0.279	0.455	56.0	52.1	20.8	56.1	21.7	10.2	375	1.0	0.0	0.26	45.0	61.2	16.9	63.5	15.4
670	R18Y_100_075$_{de}$	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.631	56.9	48.4	3.6	48.6	4.3	0.947	0.277	0.57	55.5	55.0	12.2	56.3	12.5	10.8	359	1.0	0.0	0.508	44.5	64.6	4.8	64.8	4.3
671	R00Y_100_075$_{de}$	1.0	0.25	0.625	1.0	0.75	0.625	360	1.0	0.25	0.832	57.7	51.5	−7.1	52.0	352.0	0.951	0.282	0.702	55.3	58.3	1.9	58.4	1.9	11.6	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
672	B65R_100_075$_{de}$	1.0	0.25	0.75	1.0	0.75	0.625	349	1.0	0.25	0.984	58.6	53.0	−12.6	54.5	346.6	0.958	0.287	0.772	56.2	60.6	−9.2	61.3	351.3	8.6	331	1.0	0.0	0.979	46.7	70.7	−16.8	72.7	346.6
673	B57R_100_075$_{de}$	1.0	0.25	0.875	1.0	0.75	0.625	339	0.798	0.25	1.0	53.7	44.2	−18.6	48.0	337.1	0.8	0.242	0.774	58.1	61.6	−19.1	64.5	342.7	17.8	314	0.731	0.0	1.0	40.2	59.0	−24.8	64.0	337.1
674	B50R_100_075$_{de}$	1.0	0.25	1.0	1.0	0.75	0.625	330	0.658	0.25	1.0	50.9	38.8	−23.7	45.5	328.6	0.657	0.241	0.783	59.7	58.1	−21.3	61.9	339.8	21.3	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
675	R36Y_100_100$_{de}$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.27	0.0	59.4	41.9	50.0	65.2	49.9	1.0	0.271	0.0	64.3	33.5	53.4	63.0	57.8	10.3	45	1.0	0.27	0.0	59.4	41.9	50.0	65.2	49.9
676	R26Y_100_087$_{de}$	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.289	0.125	60.0	44.0	41.4	60.4	43.3	1.0	0.292	0.158	64.1	34.8	44.6	56.6	52.0	10.4	40	1.0	0.187	0.0	55.1	50.3	47.4	69.1	43.3
677	R15Y_100_075$_{de}$	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.324	0.25	61.5	43.7	31.2	53.7	35.5	1.0	0.334	0.296	63.4	37.2	34.7	50.9	43.0	7.6	35	1.0	0.099	0.0	50.6	58.3	41.6	71.6	35.5
678	R00Y_100_062$_{de}$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	64.0	38.5	18.3	42.7	25.4	0.99	0.394	0.428	63.3	39.8	22.5	45.7	29.5	4.4	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
679	R31Y_100_062$_{de}$	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.567	63.4	38.5	9.0	39.6	13.2	0.961	0.391	0.525	63.0	42.8	13.0	44.7	16.8	5.8	372	1.0	0.0	0.308	44.9	61.6	14.4	63.3	13.2
680	R11Y_100_062$_{de}$	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.748	63.4	41.0	−0.1	41.0	359.8	0.96	0.393	0.636	62.6	46.3	2.7	46.4	3.3	6.0	353	1.0	0.0	0.598	44.9	65.7	−0.1	65.7	359.8
681	B69R_100_062$_{de}$	1.0	0.375	0.75	1.0	0.625	0.687	353	1.0	0.375	0.888	63.9	43.5	−7.3	44.1	350.4	0.964	0.388	0.718	64.3	47.3	−8.3	48.1	349.9	4.0	339	1.0	0.0	0.821	45.8	69.6	−11.7	70.6	350.4
682	B59R_100_062$_{de}$	1.0	0.375	0.875	1.0	0.625	0.687	341	0.863	0.375	1.0	61.0	38.1	−14.6	40.8	339.0	0.857	0.366	0.743	65.6	49.8	−18.7	53.2	339.3	13.2	318	0.781	0.0	1.0	41.1	61.0	−23.4	65.4	339.0
683	B50R_100_062$_{de}$	1.0	0.375	1.0	1.0	0.625	0.687	330	0.715	0.375	1.0	58.1	32.3	−19.7	37.9	328.6	0.75	0.369	0.767	67.3	49.0	−22.2	53.9	335.6	19.2	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8	1.0	0.389	0.0	69.5	24.3	57.8	62.8	67.1	10.1	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
685	R41Y_100_087$_{de}$	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.4	0.125	65.6	33.6	45.1	56.3	53.3	1.0	0.406	0.143	69.8	24.3	49.9	55.5	64.0	11.3	47	1.0	0.314	0.0	61.5	38.4	51.6	64.3	53.3
686	R31Y_100_075$_{de}$	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.421	0.25	66.5	34.4	36.4	50.1	46.6	1.0	0.431	0.25	69.8	26.5	35.7	44.5	53.3	8.5	42	1.0	0.228	0.0	57.3	45.9	48.6	66.9	46.6
687	R18Y_100_062$_{de}$	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.45	0.375	67.6	35.8	27.7	45.2	37.7	1.0	0.451	0.362	69.5	29.1	25.0	38.4	40.7	7.4	36	1.0	0.121	0.0	51.6	57.2	44.3	72.4	37.7
688	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	70.1	30.8	14.7	34.2	25.4	0.998	0.499	0.506	70.2	30.6	15.2	34.2	26.5	0.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
689	R26Y_100_050$_{de}$	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.69	69.5	31.1	5.4	31.5	9.8	0.967	0.495	0.587	70.6	33.6	3.6	33.8	6.2	3.2	367	1.0	0.0	0.38	44.7	62.2	10.8	63.1	9.8
690	R00Y_100_050$_{de}$	1.0	0.5	0.75	1.0	0.5	0.75	360	1.0	0.5	0.888	69.9	34.3	−4.7	34.6	352.0	0.968	0.497	0.698	70.9	37.6	−8.3	38.5	347.4	4.9	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
691	B61R_100_050$_{de}$	1.0	0.5	0.875	1.0	0.5	0.75	344	0.937	0.5	1.0	68.6	32.5	−10.6	34.2	341.8	0.915	0.494	0.739	71.5	41.1	−18.8	45.2	335.4	12.2	323	0.875	0.0	1.0	43.0	65.0	−21.2	68.4	341.8
692	B50R_100_050$_{de}$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.772	0.5	1.0	65.3	25.9	−15.8	30.3	328.6	0.785	0.483	0.732	72.3	41.0	−22.1	46.6	331.6	17.8	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
693	R63Y_100_100$_{de}$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.511	0.0	69.9	23.7	58.2	62.9	67.8	1.0	0.513	0.0	73.7	17.3	61.9	64.3	74.3	8.3	60	1.0	0.511	0.0	69.9	23.7	58.2	62.9	67.8
694	R58Y_100_087$_{de}$	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.53	0.125	71.3	23.7	49.6	55.0	64.4	1.0	0.524	0.125	75.2	15.7	52.8	55.1	73.3	9.4	57	1.0	0.463	0.0	68.0	27.1	56.7	62.8	64.4
695	R50Y_100_075$_{de}$	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.541	0.25	72.2	24.4	40.4	47.2	58.8	1.0	0.546	0.237	75.3	17.5	39.9	43.6	66.2	7.5	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
696	R38Y_100_062$_{de}$	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.553	0.375	72.9	25.5	31.6	40.6	51.0	1.0	0.563	0.34	75.2	19.9	27.7	34.2	54.2	7.1	46	1.0	0.285	0.0	60.1	40.8	50.5	64.9	51.0
697	R23Y_100_050$_{de}$	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.58	0.5	74.0	26.6	23.1	35.3	41.0	1.0	0.574	0.444	76.1	21.0	16.9	27.0	38.8	8.6	38	1.0	0.16	0.0	53.7	53.2	46.3	70.6	41.0
698	R00Y_100_037$_{de}$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	76.1	23.1	11.0	25.6	25.4	1.0	0.615	0.559	76.9	24.0	4.5	24.4	10.7	6.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
699	R18Y_100_037$_{de}$	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.815	75.6	24.2	1.8	24.3	4.3	0.974	0.608	0.639	77.8	27.5	−8.0	28.7	343.7	10.6	359	1.0	0.0	0.508	44.5	64.6	4.8	64.8	4.3
700	B65R_100_037$_{de}$	1.0	0.625	0.875	1.0	0.375	0.812	349	1.0	0.625	0.992	76.4	26.5	−6.3	27.2	346.6	0.977	0.612	0.723	78.6	31.2	−19.0	36.6	328.6	13.7	331	1.0	0.0	0.979	46.7	70.7	−16.8	72.7	346.6
701	B50R_100_037$_{de}$	1.0	0.625	1.0	1.0	0.375	0.812	330	0.829	0.625	1.0	72.5	19.4	−11.8	22.7	328.6	0.826	0.604	0.718	78.7	32.4	−22.2	39.3	325.5	17.8	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
702	R76Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.655	0.0	75.4	14.6	62.1	63.9	76.7	0.999	0.654	0.0	80.6	6.5	62.0	62.4	83.9	9.6	70	1.0	0.655	0.0	75.4	14.6	62.1	63.9	76.7
703	R73Y_100_087$_{de}$	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.673	0.125	76.4	15.0	54.2	56.3	74.4	1.0	0.654	0.093	80.7	7.9	48.9	49.5	80.8	9.9	68	1.0	0.626	0.0	73.8	17.2	62.0	64.3	74.4
704	R68Y_100_075$_{de}$	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.677	0.25	77.4	15.4	45.2	47.7	71.1	1.0	0.666	0.202	80.8	9.0	39.3	40.3	77.0	9.3	64	1.0	0.569	0.0	71.9	20.5	60.2	63.6	71.1
705	R61Y_100_062$_{de}$	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.683	0.375	78.6	15.5	36.0	39.2	66.6	1.0	0.692	0.314	80.8	11.0	31.5	33.3	70.6	6.7	59	1.0	0.493	0.0	69.3	24.8	57.7	62.8	66.6
706	R50Y_100_050$_{de}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.694	0.5	79.5	16.2	26.9	31.5	58.8	1.0	0.703	0.437	81.7	11.9	22.3	25.3	61.9	6.7	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
707	R31Y_100_037$_{de}$	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.71	0.625	80.4	17.2	18.2	25.0	46.6	1.0	0.705	0.537	82.3	14.8	9.1	17.4	31.5	9.6	42	1.0	0.228	0.0	57.3	45.9	48.6	66.9	46.6
708	R00Y_100_025$_{de}$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	82.1	15.4	7.3	17.1	25.4	0.995	0.741	0.634	84.8	16.9	−5.4	17.7	342.2	13.1	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
709	R00Y_100_025$_{de}$	1.0	0.75	0.875	1.0	0.25	0.875	360	1.0	0.75	0.944	82.0	17.1	−2.3	17.3	352.0	0.971	0.724	0.707	84.4	22.5	−17.1	28.3	322.6	15.8	342	1.0	0.0	0.776	45.5	68.6	−9.5	69.3	352.0
710	B50R_100_025$_{de}$	1.0	0.75	1.0	1.0	0.25	0.875	330	0.886	0.75	1.0	79.8	12.9	−7.9	15.1	328.6	0.859	0.728	0.718	85.6	23.1	−22.0	31.9	316.3	18.3	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
711	R88Y_100_100$_{de}$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.763	0.0	81.0	5.9	61.6	61.9	84.5	0.987	0.755	0.011	84.6	1.0	57.3	57.3	88.9	7.4	76	1.0	0.763	0.0	81.0	5.9	61.6	61.9	84.5
712	R86Y_100_087$_{de}$	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.774	0.125	81.9	6.2	54.3	54.7	83.4	1.0	0.793	0.044	85.4	0.9	51.0	51.0	88.9	7.2	75	1.0	0.742	0.0	80.1	7.1	62.1	62.5	83.4
713	R85Y_100_075$_{de}$	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.795	0.25	83.1	6.3	46.6	47.0	82.2	1.0	0.75	0.125	85.4	2.5	41.0	41.1	86.4	7.1	74	1.0	0.727	0.0	79.4	8.4	62.2	62.7	82.2
714	R81Y_100_062$_{de}$	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.811	0.375	83.9	6.8	38.9	39.5	80.0	1.0	0.839	0.267	85.5	4.2	32.0	32.3	82.4	7.5	72	1.0	0.699	0.0	77.8	10.9	62.2	63.2	80.0
715	R76Y_100_050$_{de}$	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.827	0.5	84.8	7.3	31.0	31.9	76.7	1.0	0.853	0.394	86.2	5.4	23.4	24.0	76.9	8.0	70	1.0	0.655	0.0	75.4	14.6	62.1	63.9	76.7
716	R68Y_100_037$_{de}$	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.838	0.625	85.8	7.7	22.6	23.8	71.1	1.0	0.866	0.523	86.9	7.3	13.2	15.1	61.1	9.3	64	1.0	0.569	0.0	71.9	20.5	60.2	63.6	71.1
717	R50Y_100_025$_{de}$	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.847	0.75	86.9	8.1	13.4	15.7	58.8	1.0	0.875	0.625	90.2	7.2	0.2	7.2	2.2	13.6	52	1.0	0.388	0.0	64.9	32.5	53.9	63.0	58.8
718	R00Y_100_012$_{de}$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	88.2	7.7	3.6	8.5	25.4	0.979	0.86	0.702	90.5	12.2	−12.2	17.3	315.0	16.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
719	B50R_100_012$_{de}$	1.0	0.875	1.0	1.0	0.125	0.937	330	0.943	0.875	1.0	87.0	6.4	−3.9	7.5	328.6	0.887	0.85	0.732	91.5	15.0	−21.0	25.9	305.4	19.6	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3	0.971	0.911	0.034	89.4	−7.1	66.3	66.7	96.1	7.1	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
721	Y00G_100_087$_{de}$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.941	0.125	87.8	−2.1	53.9	53.9	92.3	1.0	0.948	0.125	89.8	−6.5	58.5	58.8	96.3	6.6	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
722	Y00G_100_075$_{de}$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.949	0.25	88.7	−1.8	46.2	46.2	92.3	1.0	0.966	0.222	89.8	−4.4	45.5	45.7	95.6	2.9	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
723	Y00G_100_062$_{de}$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.958	0.375	89.6	−1.5	38.5	38.5	92.3	1.0	0.97	0.332	91.0	−4.4	36.6	36.9	96.9	3.7	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
724	Y00G_100_050$_{de}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.966	0.5	90.5	−1.2	30.8	30.8	92.3	1.0	0.977	0.443	91.5	−2.9	27.0	27.2	96.3	4.2	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
725	Y00G_100_037$_{de}$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.974	0.625	91.5	−0.9	23.1	23.1	92.3	1.0	0.989	0.546	92.1	−1.0	16.8	16.8	93.4	6.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
726	Y00G_100_025$_{de}$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.983	0.75	92.4	−0.6	15.4	15.4	92.3	1.0	1.0	0.64	93.6	0.8	6.3	6.4	82.6	9.2	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
727	Y00G_100_012$_{de}$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.991	0.875	93.3	−0.3	7.7	7.7	92.3	0.98	1.0	0.731	93.8	5.0	−5.9	7.7	310.4	14.6	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta** **10.6**

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^*$

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 29/33

n	HIC*$_{\mathrm{Fde}}$	*rgb*$_{\mathrm{\_Fde}}$			*ict*$_{\mathrm{\_Fde}}$			*h*$_{\mathrm{si\_F,de}}$	*rgb**$_{\mathrm{Fde}}$			*LabCh**$_{\mathrm{Fde}}$					*rgb'**$_{\mathrm{Fde}}$			*LabCh'**$_{\mathrm{Fde}}$					*DE'**$_{\mathrm{Fde}}$	*h*$_{\mathrm{siM,de}}$	*rgb**$_{\mathrm{Mde}}$			*LabCh**$_{\mathrm{Mde}}$				
729	NW_100$_{\mathrm{de}}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.4	0.1	−0.1	0.1	305.9	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
730	G50B_100_012$_{\mathrm{de}}$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	0.965	89.4	−4.3	−3.2	5.4	216.9	0.787	1.0	0.749	90.9	7.3	−24.1	25.2	286.9	23.9	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
731	G50B_100_025$_{\mathrm{de}}$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	0.93	84.7	−8.6	−6.5	10.8	216.9	0.675	1.0	0.734	85.2	2.7	−29.9	30.0	275.2	26.0	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
732	G50B_100_037$_{\mathrm{de}}$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	0.896	79.9	−13.0	−9.7	16.2	216.9	0.57	1.0	0.696	80.3	−1.0	−34.3	34.3	268.3	27.3	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
733	G50B_100_050$_{\mathrm{de}}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.861	75.1	−17.3	−13.0	21.7	216.9	0.479	1.0	0.688	74.3	−5.4	−39.1	39.5	262.1	28.6	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
734	G50B_100_062$_{\mathrm{de}}$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	0.827	70.3	−21.6	−16.3	27.1	216.9	0.385	0.993	0.677	68.6	−9.7	−41.7	42.8	256.9	28.1	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
735	G50B_100_075$_{\mathrm{de}}$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	0.792	65.5	−26.0	−19.5	32.5	216.9	0.246	0.874	0.615	60.5	−16.9	−44.5	47.6	249.2	27.0	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
736	G50B_100_087$_{\mathrm{de}}$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	0.757	60.7	−30.3	−22.8	38.0	216.9	0.149	0.872	0.625	54.7	−21.4	−46.1	50.9	245.1	25.6	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
737	G50B_100_100$_{\mathrm{de}}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9	0.046	0.874	0.642	51.2	−22.7	−48.3	53.4	244.8	25.6	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
738	R00Y_100_012$_{\mathrm{de}}$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	88.2	7.7	3.6	8.5	25.4	0.979	0.86	0.702	90.5	12.9	−13.4	18.6	313.9	18.0	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
739	NW_087$_{\mathrm{de}}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	89.2	10.2	−18.5	21.1	299.0	21.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
740	G50B_087_012$_{\mathrm{de}}$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.84	80.2	−4.3	−3.2	5.4	216.9	0.644	0.831	0.6	87.0	4.9	−25.5	26.0	280.9	25.0	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
741	G50B_087_025$_{\mathrm{de}}$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.805	75.4	−8.6	−6.5	10.8	216.9	0.544	0.807	0.577	81.5	−0.1	−31.2	31.2	269.7	26.9	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
742	G50B_087_037$_{\mathrm{de}}$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.771	70.6	−13.0	−9.7	16.2	216.9	0.444	0.793	0.559	75.6	−5.2	−35.7	36.0	261.7	27.5	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
743	G50B_087_050$_{\mathrm{de}}$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.736	65.8	−17.3	−13.0	21.7	216.9	0.341	0.784	0.544	69.4	−9.5	−40.2	41.3	256.6	28.5	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
744	G50B_087_062$_{\mathrm{de}}$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.702	61.0	−21.6	−16.3	27.1	216.9	0.241	0.781	0.533	64.3	−13.9	−41.5	43.8	251.4	26.5	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
745	G50B_087_075$_{\mathrm{de}}$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.667	56.2	−26.0	−19.5	32.5	216.9	0.141	0.744	0.513	57.9	−20.9	−42.4	47.3	243.7	23.4	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
746	G50B_087_087$_{\mathrm{de}}$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.632	51.5	−30.3	−22.8	38.0	216.9	0.074	0.674	0.483	50.7	−24.6	−46.3	52.5	242.0	24.2	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
747	R00Y_100_025$_{\mathrm{de}}$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	82.1	15.4	7.3	17.1	25.4	0.995	0.741	0.634	85.4	17.4	−8.1	19.2	334.8	15.9	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
748	R00Y_087_012$_{\mathrm{de}}$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	78.9	7.7	3.6	8.5	25.4	0.82	0.73	0.583	82.0	13.6	−11.4	17.7	320.1	16.4	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
749	NW_075$_{\mathrm{de}}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	79.9	8.7	−15.4	17.7	299.5	18.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
750	G50B_075_012$_{\mathrm{de}}$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.715	70.9	−4.3	−3.2	5.4	216.9	0.537	0.704	0.497	77.4	3.5	−22.7	22.9	278.9	21.9	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
751	G50B_075_025$_{\mathrm{de}}$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.68	66.1	−8.6	−6.5	10.8	216.9	0.439	0.689	0.48	72.4	−2.8	−28.2	28.3	264.1	23.3	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
752	G50B_075_037$_{\mathrm{de}}$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.646	61.3	−13.0	−9.7	16.2	216.9	0.345	0.681	0.468	66.3	−7.9	−32.8	33.7	256.4	24.1	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
753	G50B_075_050$_{\mathrm{de}}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.611	56.5	−17.3	−13.0	21.7	216.9	0.253	0.679	0.458	60.0	−11.4	−35.4	37.2	252.0	23.4	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
754	G50B_075_062$_{\mathrm{de}}$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.577	51.7	−21.6	−16.3	27.1	216.9	0.153	0.651	0.438	55.8	−17.4	−39.0	42.7	245.8	23.4	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
755	G50B_075_075$_{\mathrm{de}}$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.542	47.0	−26.0	−19.5	32.5	216.9	0.079	0.576	0.406	50.7	−26.1	−44.5	51.6	239.5	25.2	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
756	R00Y_100_037$_{\mathrm{de}}$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	76.1	23.1	11.0	25.6	25.4	1.0	0.615	0.559	77.5	24.0	1.8	24.0	4.3	9.3	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
757	R00Y_087_025$_{\mathrm{de}}$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	72.9	15.4	7.3	17.1	25.4	0.864	0.606	0.527	75.2	17.3	−3.1	17.6	349.6	10.9	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
758	R00Y_075_012$_{\mathrm{de}}$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	69.6	7.7	3.6	8.5	25.4	0.706	0.598	0.48	73.5	12.1	−8.8	15.0	323.7	13.8	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
759	NW_062$_{\mathrm{de}}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	69.5	7.2	−12.5	14.4	300.0	14.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
760	G50B_062_012$_{\mathrm{de}}$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.59	61.6	−4.3	−3.2	5.4	216.9	0.443	0.583	0.41	66.3	1.3	−21.2	21.3	273.5	19.4	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
761	G50B_062_025$_{\mathrm{de}}$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.555	56.8	−8.6	−6.5	10.8	216.9	0.353	0.572	0.397	61.8	−4.5	−25.4	25.8	259.7	19.9	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
762	G50B_062_037$_{\mathrm{de}}$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.521	52.0	−13.0	−9.7	16.2	216.9	0.267	0.577	0.391	55.5	−8.4	−29.6	30.8	254.1	20.6	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
763	G50B_062_050$_{\mathrm{de}}$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.486	47.3	−17.3	−13.0	21.7	216.9	0.165	0.554	0.367	51.8	−14.0	−34.3	37.1	247.7	22.0	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
764	G50B_062_062$_{\mathrm{de}}$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.452	42.5	−21.6	−16.3	27.1	216.9	0.075	0.49	0.331	48.4	−23.5	−42.6	48.7	241.0	27.0	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
765	R00Y_100_050$_{\mathrm{de}}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	70.1	30.8	14.7	34.2	25.4	0.998	0.499	0.506	71.3	29.6	12.6	32.2	23.1	2.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
766	R00Y_087_037$_{\mathrm{de}}$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	66.8	23.1	11.0	25.6	25.4	0.88	0.484	0.454	69.1	21.9	5.2	22.5	13.4	6.3	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
767	R00Y_075_025$_{\mathrm{de}}$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	63.6	15.4	7.3	17.1	25.4	0.758	0.487	0.436	65.4	15.3	1.1	15.3	4.3	6.4	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
768	R00Y_062_012$_{\mathrm{de}}$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	60.3	7.7	3.6	8.5	25.4	0.599	0.476	0.381	61.3	10.5	−5.3	11.8	333.0	9.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
769	NW_050$_{\mathrm{de}}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	58.5	5.6	−9.4	11.0	300.8	11.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
770	G50B_050_012$_{\mathrm{de}}$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.465	52.3	−4.3	−3.2	5.4	216.9	0.348	0.474	0.337	55.4	−0.7	−18.4	18.4	267.7	15.8	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
771	G50B_050_025$_{\mathrm{de}}$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.43	47.5	−8.6	−6.5	10.8	216.9	0.275	0.476	0.331	50.7	−6.6	−24.7	25.6	255.0	18.6	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
772	G50B_050_037$_{\mathrm{de}}$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.396	42.8	−13.0	−9.7	16.2	216.9	0.176	0.452	0.305	47.4	−9.6	−30.3	31.8	252.3	21.3	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
773	G50B_050_050$_{\mathrm{de}}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.361	38.0	−17.3	−13.0	21.7	216.9	0.07	0.397	0.269	44.0	−16.6	−37.4	40.9	245.9	25.0	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
774	R00Y_100_062$_{\mathrm{de}}$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	64.0	38.5	18.3	42.7	25.4	0.99	0.394	0.428	63.6	39.4	22.9	45.6	30.2	4.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
775	R00Y_087_050$_{\mathrm{de}}$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.375	60.8	30.8	14.7	34.2	25.4	0.88	0.359	0.379	62.0	29.0	11.8	31.3	22.1	3.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
776	R00Y_075_037$_{\mathrm{de}}$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	57.5	23.1	11.0	25.6	25.4	0.771	0.364	0.354	57.8	21.5	7.3	22.7	18.7	4.0	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
777	R00Y_062_025$_{\mathrm{de}}$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	54.3	15.4	7.3	17.1	25.4	0.632	0.362	0.319	53.1	15.2	2.9	15.4	10.8	4.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
778	R00Y_050_012$_{\mathrm{de}}$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	51.1	7.7	3.6	8.5	25.4	0.496	0.364	0.307	49.7	10.0	−3.3	10.5	341.5	7.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
779	NW_037$_{\mathrm{de}}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	49.4	4.3	−7.3	8.4	300.6	8.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
780	G50B_037_012$_{\mathrm{de}}$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.34	43.0	−4.3	−3.2	5.4	216.9	0.271	0.37	0.273	45.4	−3.5	−18.3	18.6	259.1	15.3	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
781	G50B_037_025$_{\mathrm{de}}$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.305	38.3	−8.6	−6.5	10.8	216.9	0.183	0.358	0.255	44.3	−7.2	−24.6	25.6	253.5	19.1	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
782	G50B_037_037$_{\mathrm{de}}$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.271	33.5	−13.0	−9.7	16.2	216.9	0.021	0.271	0.173	41.4	−13.8	−29.7	32.7	245.0	21.4	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
783	R00Y_100_075$_{\mathrm{de}}$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	58.0	46.3	22.0	51.3	25.4	0.98	0.282	0.353	58.5	46.4	30.9	55.8	33.7	8.9	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
784	R00Y_087_062$_{\mathrm{de}}$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	54.7	38.5	18.3	42.7	25.4	0.865	0.226	0.283	56.4	36.3	20.5	41.7	29.4	3.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
785	R00Y_075_050$_{\mathrm{de}}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.5	30.8	14.7	34.2	25.4	0.768	0.23	0.268	51.0	28.2	14.6	31.7	27.4	2.7	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
786	R00Y_062_037$_{\mathrm{de}}$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	48.3	23.1	11.0	25.6	25.4	0.647	0.242	0.255	46.3	20.5	11.4	23.5	29.1	3.2	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
787	R00Y_050_025$_{\mathrm{de}}$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.25	0.249	45.0	15.4	7.3	17.1	25.4	0.525	0.246	0.244	42.8	14.2	5.9	15.4	22.8	2.9	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
788	R00Y_037_012$_{\mathrm{de}}$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.25	0.249	41.8	7.7	3.6	8.5	25.4	0.375	0.26	0.225	40.2	9.9	0.1	9.9	1.1	4.4	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
789	NW_025$_{\mathrm{de}}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	38.3	2.7	−4.2	5.0	302.3	5.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
790	G50B_025_012$_{\mathrm{de}}$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.215	33.8	−4.3	−3.2	5.4	216.9	0.148	0.237	0.168	37.7	−5.0	−16.7	17.4	253.1	14.0	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
791	G50B_025_025$_{\mathrm{de}}$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.18	29.0	−8.6	−6.5	10.8	216.9	0.019	0.178	0.112	37.7	−9.3	−21.5	23.4	246.5	17.3	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
792	R00Y_100_087$_{\mathrm{de}}$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	51.9	54.0	25.7	59.8	25.4	0.959	0.161	0.247	52.0	57.6	35.7	67.8	31.7	10.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
793	R00Y_087_075$_{\mathrm{de}}$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	48.7	46.3	22.0	51.3	25.4	0.845	0.127	0.2	50.5	46.4	29.3	54.8	32.2	7.4	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
794	R00Y_075_062$_{\mathrm{de}}$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	45.5	38.5	18.3	42.7	25.4	0.758	0.117	0.181	45.6	34.5	21.4	40.6	31.7	5.0	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
795	R00Y_062_050$_{\mathrm{de}}$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	42.2	30.8	14.7	34.2	25.4	0.629	0.122	0.178	41.0	28.3	20.0	34.6	35.2	6.0	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
796	R00Y_050_037$_{\mathrm{de}}$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.125	0.124	39.0	23.1	11.0	25.6	25.4	0.504	0.117	0.158	38.3	20.5	14.7	25.2	35.7	4.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
797	R00Y_037_025$_{\mathrm{de}}$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.125	0.124	35.7	15.4	7.3	17.1	25.4	0.367	0.109	0.143	35.6	13.0	9.5	16.1	36.0	3.2	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
798	R00Y_025_012$_{\mathrm{de}}$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.125	0.124	32.5	7.7	3.6	8.5	25.4	0.281	0.155	0.153	32.5	7.9	4.2	9.0	28.2	0.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
799	NW_012$_{\mathrm{de}}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	26.1	0.9	−1.2	1.5	305.7	3.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
800	G50B_012_012$_{\mathrm{de}}$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.09	24.5	−4.3	−3.2	5.4	216.9	0.0	0.058	0.016	31.7	−6.2	−13.1	14.4	244.6	12.3	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
801	R00Y_100_100$_{\mathrm{de}}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4	1.0	0.0	0.0	45.7	61.0	27.3	66.8	24.1	2.1	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
802	R00Y_087_087$_{\mathrm{de}}$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	42.7	54.0	25.7	59.8	25.4	0.865	0.015	0.011	40.5	52.7	22.2	57.2	22.8	4.2	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
803	R00Y_075_075$_{\mathrm{de}}$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	39.4	46.3	22.0	51.3	25.4	0.738	0.028	0.044	37.1	47.0	21.2	51.6	24.2	2.5	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
804	R00Y_062_062$_{\mathrm{de}}$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	36.2	38.5	18.3	42.7	25.4	0.601	0.024	0.071	33.3	41.4	20.9	46.4	26.7	4.8	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
805	R00Y_050_050$_{\mathrm{de}}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.9	30.8	14.7	34.2	25.4	0.457	0.01	0.056	30.6	35.1	19.7	40.3	29.3	7.0	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
806	R00Y_037_037$_{\mathrm{de}}$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	29.7	23.1	11.0	25.6	25.4	0.347	0.0	0.041	29.0	25.1	15.7	29.6	32.0	5.1	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
807	R00Y_025_025$_{\mathrm{de}}$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	26.5	15.4	7.3	17.1	25.4	0.27	0.0	0.042	28.4	13.6	9.5	16.6	35.0	3.4	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
808	R00Y_012_012$_{\mathrm{de}}$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	23.2	7.7	3.6	8.5	25.4	0.142	0.0	0.022	25.6	7.0	5.1	8.7	35.7	2.8	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
809	NW_000$_{\mathrm{de}}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	356.7	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta** **14.0**

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^*$

input: *rgb/cmyk* −> *rgb*$_{\mathrm{de}}$
output: 3D-linearization to *cmyk**$_{\mathrm{de}}$

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 30/33

n	HIC*$_{\mathrm{Fde}}$	$rgb_{\_\mathrm{Fde}}$			$ict_{\_\mathrm{Fde}}$			$h_{\mathrm{si\_F,de}}$	rgb^*_{Fde}			$LabCh^*_{\mathrm{Fde}}$					rgb'^*_{Fde}			$LabCh'^*_{\mathrm{Fde}}$					DE'^*_{Fde}	$h_{\mathrm{siM,de}}$	rgb^*_{Mde}			$LabCh^*_{\mathrm{Mde}}$				
810	NW_100$_{\mathrm{de}}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.5	0.0	−0.3	0.3	281.9	0.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
811	B00R_100_012$_{\mathrm{de}}$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.921	1.0	87.4	0.2	−6.6	6.6	271.7	0.781	0.917	0.749	89.7	12.3	−23.8	26.8	297.3	21.1	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
812	B00R_100_025$_{\mathrm{de}}$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.842	1.0	80.7	0.4	−13.3	13.3	271.7	0.664	0.812	0.708	80.6	12.4	−29.7	32.2	292.6	20.3	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
813	B00R_100_037$_{\mathrm{de}}$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.763	1.0	73.9	0.6	−20.0	20.0	271.7	0.561	0.723	0.694	68.6	15.2	−34.8	38.0	293.6	21.4	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
814	B00R_100_050$_{\mathrm{de}}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.684	1.0	67.1	0.8	−26.7	26.7	271.7	0.473	0.649	0.725	56.6	17.6	−39.5	43.2	294.1	23.6	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
815	B00R_100_062$_{\mathrm{de}}$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.605	1.0	60.3	1.0	−33.4	33.4	271.7	0.385	0.582	0.78	47.9	21.0	−42.2	47.1	296.5	25.1	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
816	B00R_100_075$_{\mathrm{de}}$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.526	1.0	53.5	1.2	−40.1	40.1	271.7	0.278	0.513	0.828	39.0	24.6	−44.5	50.8	298.9	27.9	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
817	B00R_100_087$_{\mathrm{de}}$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.447	1.0	46.7	1.4	−46.8	46.8	271.7	0.148	0.42	0.856	35.9	24.5	−45.2	51.4	298.5	25.6	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
818	B00R_100_100$_{\mathrm{de}}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7	0.0	0.369	1.0	31.8	25.2	−46.3	52.7	298.5	25.9	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
819	Y00G_100_012$_{\mathrm{de}}$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.991	0.875	93.3	−0.3	7.7	7.7	92.3	0.98	1.0	0.731	94.2	5.7	−7.4	9.3	307.5	16.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
820	NW_087$_{\mathrm{de}}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	90.0	10.2	−18.6	21.2	298.8	21.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
821	B00R_087_012$_{\mathrm{de}}$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.796	0.875	78.2	0.2	−6.6	6.6	271.7	0.656	0.765	0.614	82.3	11.1	−24.3	26.8	294.5	21.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
822	B00R_087_025$_{\mathrm{de}}$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.717	0.875	71.4	0.4	−13.3	13.3	271.7	0.558	0.686	0.605	71.2	13.2	−30.3	33.0	293.6	21.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
823	B00R_087_037$_{\mathrm{de}}$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.638	0.875	64.6	0.6	−20.0	20.0	271.7	0.468	0.602	0.603	61.0	16.3	−36.7	40.2	293.9	23.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
824	B00R_087_050$_{\mathrm{de}}$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.559	0.875	57.8	0.8	−26.7	26.7	271.7	0.384	0.539	0.661	49.5	19.7	−41.7	46.1	295.3	25.5	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
825	B00R_087_062$_{\mathrm{de}}$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.48	0.875	51.0	1.0	−33.4	33.4	271.7	0.261	0.464	0.718	40.5	22.4	−44.0	49.4	297.0	26.1	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
826	B00R_087_075$_{\mathrm{de}}$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.401	0.875	44.2	1.2	−40.1	40.1	271.7	0.102	0.338	0.731	36.3	22.4	−45.1	50.3	296.4	23.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
827	B00R_087_087$_{\mathrm{de}}$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.322	0.875	37.5	1.4	−46.8	46.8	271.7	0.006	0.27	0.685	29.9	26.8	−45.8	53.1	300.3	26.5	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
828	Y00G_100_025$_{\mathrm{de}}$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.983	0.75	92.4	−0.6	15.4	15.4	92.3	1.0	1.0	0.64	93.7	2.2	2.3	3.2	46.0	13.4	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
829	Y00G_087_012$_{\mathrm{de}}$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.866	0.75	84.0	−0.3	7.7	7.7	92.3	0.784	0.849	0.577	89.6	6.2	−8.2	10.3	306.9	18.1	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
830	NW_075$_{\mathrm{de}}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	80.6	8.8	−15.7	18.0	299.4	18.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
831	B00R_075_012$_{\mathrm{de}}$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.671	0.75	68.9	0.2	−6.6	6.6	271.7	0.547	0.631	0.504	71.6	10.3	−22.3	24.6	294.8	18.8	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
832	B00R_075_025$_{\mathrm{de}}$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.592	0.75	62.1	0.4	−13.3	13.3	271.7	0.46	0.569	0.527	61.0	11.5	−26.2	28.6	293.6	17.0	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
833	B00R_075_037$_{\mathrm{de}}$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.513	0.75	55.3	0.6	−20.0	20.0	271.7	0.377	0.492	0.539	51.7	12.7	−31.1	33.6	292.3	16.8	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
834	B00R_075_050$_{\mathrm{de}}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.434	0.75	48.5	0.8	−26.7	26.7	271.7	0.276	0.426	0.574	45.4	16.6	−36.1	39.7	294.7	18.6	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
835	B00R_075_062$_{\mathrm{de}}$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.355	0.75	41.8	1.0	−33.4	33.4	271.7	0.107	0.293	0.591	39.3	18.5	−41.2	45.2	294.2	19.3	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
836	B00R_075_075$_{\mathrm{de}}$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.276	0.75	35.0	1.2	−40.1	40.1	271.7	0.0	0.203	0.535	28.7	26.5	−45.7	52.8	300.0	26.6	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
837	Y00G_100_037$_{\mathrm{de}}$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.974	0.625	91.5	−0.9	23.1	23.1	92.3	1.0	0.989	0.546	92.2	0.6	11.9	11.9	87.0	11.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
838	Y00G_087_025$_{\mathrm{de}}$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.858	0.625	83.1	−0.6	15.4	15.4	92.3	0.8	0.825	0.501	88.6	3.3	4.7	5.8	55.3	12.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
839	Y00G_075_012$_{\mathrm{de}}$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.741	0.625	74.7	−0.3	7.7	7.7	92.3	0.659	0.703	0.452	81.0	5.7	−6.4	8.6	311.3	16.6	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
840	NW_062$_{\mathrm{de}}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	70.8	7.3	−12.9	14.8	299.8	15.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
841	B00R_062_012$_{\mathrm{de}}$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.546	0.625	59.6	0.2	−6.6	6.6	271.7	0.455	0.528	0.438	60.6	8.9	−20.5	22.4	293.5	16.4	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
842	B00R_062_025$_{\mathrm{de}}$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.467	0.625	52.8	0.4	−13.3	13.3	271.7	0.364	0.455	0.446	50.3	10.0	−25.4	27.3	291.4	15.6	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
843	B00R_062_037$_{\mathrm{de}}$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.388	0.625	46.0	0.6	−20.0	20.0	271.7	0.289	0.39	0.466	44.0	12.2	−29.9	32.3	292.2	15.4	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
844	B00R_062_050$_{\mathrm{de}}$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.309	0.625	39.3	0.8	−26.7	26.7	271.7	0.14	0.269	0.473	38.6	16.4	−35.1	38.8	295.1	17.7	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
845	B00R_062_062$_{\mathrm{de}}$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.23	0.625	32.5	1.0	−33.4	33.4	271.7	0.001	0.142	0.433	28.1	25.9	−45.9	52.7	299.4	28.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
846	Y00G_100_050$_{\mathrm{de}}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.966	0.5	90.5	−1.2	30.8	30.8	92.3	1.0	0.977	0.443	91.7	−1.8	22.6	22.7	94.6	8.2	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
847	Y00G_087_037$_{\mathrm{de}}$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.849	0.5	82.2	−0.9	23.1	23.1	92.3	0.81	0.816	0.414	87.7	0.8	16.8	16.8	87.0	8.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
848	Y00G_075_025$_{\mathrm{de}}$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.733	0.5	73.8	−0.6	15.4	15.4	92.3	0.677	0.687	0.375	80.4	1.3	8.6	8.7	81.2	9.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
849	Y00G_062_012$_{\mathrm{de}}$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.616	0.5	65.5	−0.3	7.7	7.7	92.3	0.559	0.581	0.357	71.7	3.9	−4.5	6.0	311.2	14.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
850	NW_050$_{\mathrm{de}}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	59.7	5.7	−9.8	11.4	300.3	11.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
851	B00R_050_012$_{\mathrm{de}}$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.421	0.5	50.3	0.2	−6.6	6.6	271.7	0.35	0.41	0.358	48.8	7.3	−19.2	20.6	290.9	14.5	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
852	B00R_050_025$_{\mathrm{de}}$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.342	0.5	43.5	0.4	−13.3	13.3	271.7	0.287	0.348	0.366	41.9	9.0	−24.8	26.4	290.0	14.5	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
853	B00R_050_037$_{\mathrm{de}}$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.263	0.5	36.8	0.6	−20.0	20.0	271.7	0.166	0.252	0.368	36.5	11.8	−28.7	31.0	292.5	14.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
854	B00R_050_050$_{\mathrm{de}}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.184	0.5	30.0	0.8	−26.7	26.7	271.7	0.008	0.103	0.35	30.5	19.3	−39.0	43.5	296.3	22.2	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
855	Y00G_100_062$_{\mathrm{de}}$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.958	0.375	89.6	−1.5	38.5	38.5	92.3	1.0	0.97	0.332	90.9	−3.9	34.3	34.5	96.5	5.0	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
856	Y00G_087_050$_{\mathrm{de}}$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.841	0.375	81.3	−1.2	30.8	30.8	92.3	0.81	0.797	0.321	86.4	−1.7	29.5	29.5	93.4	5.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
857	Y00G_075_037$_{\mathrm{de}}$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.724	0.375	72.9	−0.9	23.1	23.1	92.3	0.686	0.67	0.296	79.3	−0.5	19.8	19.8	91.5	7.1	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
858	Y00G_062_025$_{\mathrm{de}}$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.608	0.375	64.5	−0.6	15.4	15.4	92.3	0.571	0.563	0.287	70.1	0.3	10.4	10.4	88.3	7.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
859	Y00G_050_012$_{\mathrm{de}}$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.491	0.375	56.2	−0.3	7.7	7.7	92.3	0.46	0.463	0.278	59.2	1.9	−0.3	1.9	349.6	8.8	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
860	NW_037$_{\mathrm{de}}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	48.8	4.2	−7.1	8.3	300.7	8.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
861	B00R_037_012$_{\mathrm{de}}$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.296	0.375	41.0	0.2	−6.6	6.6	271.7	0.28	0.321	0.3	38.8	6.5	−18.6	19.7	289.3	13.6	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
862	B00R_037_025$_{\mathrm{de}}$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.217	0.375	34.3	0.4	−13.3	13.3	271.7	0.173	0.226	0.286	32.8	7.9	−24.0	25.3	288.2	13.1	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
863	B00R_037_037$_{\mathrm{de}}$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.138	0.375	27.5	0.6	−20.0	20.0	271.7	0.016	0.085	0.26	29.4	11.6	−29.3	31.5	291.6	14.5	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
864	Y00G_100_075$_{\mathrm{de}}$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.949	0.25	88.7	−1.8	46.2	46.2	92.3	1.0	0.966	0.222	89.9	−4.2	43.8	44.0	95.6	3.6	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
865	Y00G_087_062$_{\mathrm{de}}$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.833	0.25	80.3	−1.5	38.5	38.5	92.3	0.808	0.776	0.234	86.8	−3.2	41.3	41.4	94.5	7.2	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
866	Y00G_075_050$_{\mathrm{de}}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.716	0.25	72.0	−1.2	30.8	30.8	92.3	0.691	0.653	0.222	78.7	−3.2	32.7	32.8	95.7	7.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
867	Y00G_062_037$_{\mathrm{de}}$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.599	0.25	63.6	−0.9	23.1	23.1	92.3	0.579	0.547	0.218	69.2	−2.6	23.6	23.7	96.5	5.8	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
868	Y00G_050_025$_{\mathrm{de}}$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.483	0.249	55.3	−0.6	15.4	15.4	92.3	0.468	0.442	0.206	59.3	−1.6	14.1	14.2	96.7	4.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
869	Y00G_037_012$_{\mathrm{de}}$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.366	0.249	46.9	−0.3	7.7	7.7	92.3	0.354	0.347	0.209	48.8	−0.5	4.7	4.7	96.7	3.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
870	NW_025$_{\mathrm{de}}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	37.2	2.6	−3.9	4.7	303.4	4.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
871	B00R_025_012$_{\mathrm{de}}$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.171	0.25	31.8	0.2	−6.6	6.6	271.7	0.164	0.194	0.204	30.5	5.3	−15.8	16.7	288.7	10.6	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
872	B00R_025_025$_{\mathrm{de}}$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.092	0.25	25.0	0.4	−13.3	13.3	271.7	0.0	0.023	0.125	25.1	6.7	−21.2	22.3	287.5	10.1	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
873	Y00G_100_087$_{\mathrm{de}}$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.941	0.125	87.8	−2.1	53.9	53.9	92.3	1.0	0.948	0.125	89.9	−6.4	57.7	58.1	96.3	6.1	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
874	Y00G_087_075$_{\mathrm{de}}$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.824	0.125	79.4	−1.8	46.2	46.2	92.3	0.799	0.756	0.174	87.0	−5.1	59.9	60.1	94.9	15.9	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
875	Y00G_075_062$_{\mathrm{de}}$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.708	0.125	71.1	−1.5	38.5	38.5	92.3	0.689	0.638	0.158	78.3	−5.0	50.3	50.5	95.7	14.2	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
876	Y00G_062_050$_{\mathrm{de}}$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.591	0.125	62.7	−1.2	30.8	30.8	92.3	0.581	0.53	0.148	68.7	−4.8	38.9	39.2	97.1	10.7	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
877	Y00G_050_037$_{\mathrm{de}}$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.474	0.124	54.3	−0.9	23.1	23.1	92.3	0.47	0.42	0.136	58.5	−4.1	28.5	28.8	98.2	7.5	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
878	Y00G_037_025$_{\mathrm{de}}$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.358	0.124	46.0	−0.6	15.4	15.4	92.3	0.358	0.322	0.134	49.8	−3.5	20.0	20.3	99.9	6.6	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
879	Y00G_025_012$_{\mathrm{de}}$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.241	0.124	37.6	−0.3	7.7	7.7	92.3	0.281	0.268	0.145	38.3	−1.6	9.2	9.3	100.0	2.1	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
880	NW_012$_{\mathrm{de}}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	25.3	0.8	−0.9	1.2	311.3	4.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
881	B00R_012_012$_{\mathrm{de}}$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.046	0.125	22.5	0.2	−6.6	6.6	271.7	0.0	0.013	0.06	26.1	5.9	−12.4	13.7	295.7	8.8	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
882	Y00G_100_100$_{\mathrm{de}}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3	0.971	0.911	0.034	89.5	−7.1	66.6	66.9	96.1	7.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
883	Y00G_087_087$_{\mathrm{de}}$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.816	0.0	78.5	−2.1	53.9	53.9	92.3	0.791	0.738	0.109	88.3	−6.1	72.5	72.7	94.8	21.3	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
884	Y00G_075_075$_{\mathrm{de}}$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.699	0.0	70.1	−1.8	46.2	46.2	92.3	0.69	0.628	0.094	79.0	−6.6	65.9	66.3	95.7	22.2	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
885	Y00G_062_062$_{\mathrm{de}}$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.583	0.0	61.8	−1.5	38.5	38.5	92.3	0.592	0.53	0.089	65.2	−6.3	53.2	53.5	96.7	15.8	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
886	Y00G_050_050$_{\mathrm{de}}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.466	0.0	53.4	−1.2	30.8	30.8	92.3	0.488	0.427	0.078	54.8	−5.7	44.0	44.4	97.4	14.0	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
887	Y00G_037_037$_{\mathrm{de}}$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.349	0.0	45.1	−0.9	23.1	23.1	92.3	0.366	0.308	0.065	47.8	−5.8	32.5	33.0	100.1	10.9	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
888	Y00G_025_025$_{\mathrm{de}}$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.233	0.0	36.7	−0.6	15.4	15.4	92.3	0.285	0.243	0.061	39.9	−4.3	21.6	22.0	101.3	7.9	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
889	Y00G_012_012$_{\mathrm{de}}$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.116	0.0	28.3	−0.3	7.7	7.7	92.3	0.152	0.127	0.022	31.4	−1.9	9.6	9.8	101.5	3.9	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
890	NW_000$_{\mathrm{de}}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.0	0.0	55.6	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
																	Mean color difference of this page:						**delta**		**14.2**									

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, $\Delta E'^*$

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 31/33

n	*HIC**$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			*h*$_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	*h*$_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
891	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.5	0.0	−0.1	0.1	266.1	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
892	B50R_100_012$_{de}$	1.0	0.875	1.0	1.0	0.125	0.937	330	0.943	0.875	1.0	87.0	6.4	−3.9	7.5	328.6	0.887	0.85	0.732	91.1	16.2	−21.3	26.7	307.3	20.3	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
893	B50R_100_025$_{de}$	1.0	0.75	1.0	1.0	0.25	0.875	330	0.886	0.75	1.0	79.8	12.9	−7.9	15.1	328.6	0.859	0.728	0.718	85.5	23.6	−22.0	32.2	316.9	18.6	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
894	B50R_100_037$_{de}$	1.0	0.625	1.0	1.0	0.375	0.812	330	0.829	0.625	1.0	72.5	19.4	−11.8	22.7	328.6	0.826	0.604	0.718	78.5	33.1	−22.4	40.0	325.8	18.3	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
895	B50R_100_050$_{de}$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.772	0.5	1.0	65.3	25.9	−15.8	30.3	328.6	0.785	0.483	0.732	72.0	41.7	−22.2	47.3	332.0	18.3	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
896	B50R_100_062$_{de}$	1.0	0.375	1.0	1.0	0.625	0.687	330	0.715	0.375	1.0	58.1	32.3	−19.7	37.9	328.6	0.75	0.369	0.767	65.7	51.4	−21.9	55.9	336.8	20.6	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
897	B50R_100_075$_{de}$	1.0	0.25	1.0	1.0	0.75	0.625	330	0.658	0.25	1.0	50.9	38.8	−23.7	45.5	328.6	0.657	0.241	0.783	58.2	60.2	−20.8	63.7	340.9	22.8	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
898	B50R_100_087$_{de}$	1.0	0.125	1.0	1.0	0.875	0.562	330	0.601	0.125	1.0	43.6	45.3	−27.6	53.1	328.6	0.579	0.138	0.813	50.4	69.9	−17.7	72.1	345.7	27.4	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
899	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6	0.545	0.0	1.0	46.2	71.1	−16.4	73.0	346.9	26.4	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
900	G00B_100_012$_{de}$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.882	89.2	−7.3	2.3	7.7	162.2	0.786	1.0	0.741	91.5	4.6	−14.3	15.0	288.0	20.6	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
901	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	89.7	10.2	−18.7	21.3	298.7	21.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
902	B50R_087_012$_{de}$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.818	0.75	0.875	77.7	6.4	−3.9	7.5	328.6	0.759	0.723	0.618	84.1	17.4	−21.2	27.4	309.4	21.4	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
903	B50R_087_025$_{de}$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.761	0.625	0.875	70.5	12.9	−7.9	15.1	328.6	0.748	0.601	0.631	77.1	25.8	−21.9	33.8	319.6	20.1	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
904	B50R_087_037$_{de}$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.704	0.5	0.875	63.3	19.4	−11.8	22.7	328.6	0.703	0.476	0.627	69.6	34.2	−22.7	41.1	326.3	19.5	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
905	B50R_087_050$_{de}$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.647	0.375	0.875	56.0	25.9	−15.8	30.3	328.6	0.648	0.351	0.627	62.7	42.7	−23.1	48.6	331.5	19.6	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
906	B50R_087_062$_{de}$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.59	0.25	0.875	48.8	32.3	−19.7	37.9	328.6	0.582	0.24	0.644	56.1	50.7	−22.2	55.4	336.2	19.9	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
907	B50R_087_075$_{de}$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.533	0.125	0.875	41.6	38.8	−23.7	45.5	328.6	0.501	0.131	0.694	48.3	62.0	−22.0	65.8	340.4	24.2	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
908	B50R_087_087$_{de}$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.476	0.0	0.875	34.3	45.3	−27.6	53.1	328.6	0.437	0.011	0.75	42.8	63.4	−18.5	66.1	343.7	22.0	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
909	G00B_100_025$_{de}$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.765	84.1	−14.6	4.7	15.4	162.2	0.675	1.0	0.623	87.6	−3.4	−7.6	8.3	245.7	17.0	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
910	G00B_087_012$_{de}$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.757	79.9	−7.3	2.3	7.7	162.2	0.633	0.847	0.544	87.0	1.2	−11.2	11.2	276.3	17.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
911	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	79.9	8.6	−15.4	17.7	299.3	18.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
912	B50R_075_012$_{de}$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.693	0.625	0.75	68.4	6.4	−3.9	7.5	328.6	0.633	0.582	0.502	73.5	16.4	−18.6	24.9	311.3	18.5	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
913	B50R_075_025$_{de}$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.636	0.5	0.75	61.2	12.9	−7.9	15.1	328.6	0.616	0.472	0.52	65.6	24.8	−19.2	31.3	322.2	16.9	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
914	B50R_075_037$_{de}$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.579	0.375	0.75	54.0	19.4	−11.8	22.7	328.6	0.575	0.352	0.526	58.2	32.2	−19.0	37.4	329.4	15.3	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
915	B50R_075_050$_{de}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.522	0.25	0.75	46.8	25.9	−15.8	30.3	328.6	0.512	0.237	0.53	51.4	41.2	−19.3	45.5	334.9	16.4	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
916	B50R_075_062$_{de}$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.465	0.125	0.75	39.5	32.3	−19.7	37.9	328.6	0.437	0.13	0.557	45.0	50.4	−18.0	53.5	340.3	18.9	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
917	B50R_075_075$_{de}$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.408	0.0	0.75	32.3	38.8	−23.7	45.5	328.6	0.353	0.014	0.601	37.8	57.4	−17.4	60.0	343.0	20.3	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
918	G00B_100_037$_{de}$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.648	79.1	−22.0	7.0	23.1	162.2	0.572	1.0	0.501	81.5	−12.2	−1.9	12.3	188.9	13.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
919	G00B_087_025$_{de}$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.64	74.8	−14.6	4.7	15.4	162.2	0.532	0.834	0.46	80.9	−7.4	−4.6	8.7	211.8	13.2	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
920	G00B_075_012$_{de}$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.632	70.6	−7.3	2.3	7.7	162.2	0.525	0.715	0.438	75.9	−0.6	−9.1	9.1	266.0	14.3	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
921	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	68.7	7.1	−12.4	14.4	299.8	14.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
922	B50R_062_012$_{de}$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.568	0.5	0.625	59.2	6.4	−3.9	7.5	328.6	0.533	0.479	0.435	63.1	14.9	−16.0	21.9	312.9	15.2	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
923	B50R_062_025$_{de}$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.511	0.375	0.625	51.9	12.9	−7.9	15.1	328.6	0.508	0.36	0.433	54.7	23.0	−16.3	28.2	324.5	13.4	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
924	B50R_062_037$_{de}$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.454	0.25	0.625	44.7	19.4	−11.8	22.7	328.6	0.448	0.239	0.432	48.0	32.3	−17.1	36.6	331.9	14.3	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
925	B50R_062_050$_{de}$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.397	0.125	0.625	37.5	25.9	−15.8	30.3	328.6	0.365	0.12	0.432	41.1	40.9	−16.0	43.9	338.5	15.4	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
926	B50R_062_062$_{de}$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.34	0.0	0.625	30.2	32.3	−19.7	37.9	328.6	0.296	0.0	0.478	34.2	49.5	−14.9	51.7	343.1	18.2	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
927	G00B_100_050$_{de}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.531	74.0	−29.3	9.4	30.8	162.2	0.469	1.0	0.376	75.1	−21.6	2.7	21.7	172.8	10.3	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
928	G00B_087_037$_{de}$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.523	69.8	−22.0	7.0	23.1	162.2	0.425	0.821	0.374	74.3	−19.5	0.7	19.5	177.8	8.1	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
929	G00B_075_025$_{de}$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.515	65.6	−14.6	4.7	15.4	162.2	0.425	0.711	0.359	69.7	−8.8	−3.7	9.5	203.2	11.1	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
930	G00B_062_012$_{de}$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.507	61.3	−7.3	2.3	7.7	162.2	0.432	0.596	0.351	65.5	−2.0	−7.6	7.9	255.1	12.0	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
931	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	57.9	5.4	−9.3	10.8	300.1	10.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
932	B50R_050_012$_{de}$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.443	0.375	0.5	49.9	6.4	−3.9	7.5	328.6	0.413	0.356	0.349	50.2	14.0	−13.3	19.4	316.4	12.1	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
933	B50R_050_025$_{de}$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.386	0.249	0.5	42.6	12.9	−7.9	15.1	328.6	0.374	0.248	0.34	43.8	23.6	−14.2	27.5	328.8	12.4	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
934	B50R_050_037$_{de}$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.329	0.124	0.5	35.4	19.4	−11.8	22.7	328.6	0.318	0.123	0.344	37.5	31.9	−13.7	34.7	336.6	12.8	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
935	B50R_050_050$_{de}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.272	0.0	0.5	28.2	25.9	−15.8	30.3	328.6	0.25	0.0	0.375	31.2	40.6	−12.1	42.4	343.3	15.4	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
936	G00B_100_062$_{de}$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.414	69.0	−36.7	11.7	38.5	162.2	0.375	1.0	0.375	68.1	−32.4	9.2	33.7	164.0	5.0	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
937	G00B_087_050$_{de}$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.406	64.7	−29.3	9.4	30.8	162.2	0.322	0.821	0.302	69.3	−29.8	7.1	30.6	166.4	5.0	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
938	G00B_075_037$_{de}$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.398	60.5	−22.0	7.0	23.1	162.2	0.326	0.722	0.293	63.3	−20.0	2.6	20.2	172.3	5.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
939	G00B_062_025$_{de}$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.39	56.3	−14.6	4.7	15.4	162.2	0.338	0.6	0.285	58.1	−13.1	−1.2	13.1	185.3	6.4	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
940	G00B_050_012$_{de}$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.382	52.1	−7.3	2.3	7.7	162.2	0.34	0.488	0.279	53.0	−4.2	−4.1	5.8	224.3	7.2	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
941	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	47.1	3.9	−6.6	7.7	301.0	7.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
942	B50R_037_012$_{de}$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.318	0.249	0.375	40.6	6.4	−3.9	7.5	328.6	0.328	0.271	0.286	39.8	13.9	−10.6	17.4	322.6	10.0	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
943	B50R_037_025$_{de}$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.261	0.124	0.375	33.4	12.9	−7.9	15.1	328.6	0.267	0.133	0.263	34.7	23.3	−11.2	25.9	334.2	11.0	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
944	B50R_037_037$_{de}$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.204	0.0	0.375	26.1	19.4	−11.8	22.7	328.6	0.178	0.0	0.25	29.6	31.4	−10.5	33.1	341.4	12.6	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
945	G00B_100_075$_{de}$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.297	63.9	−44.0	14.1	46.2	162.2	0.25	1.0	0.25	62.5	−41.8	13.8	44.0	161.6	2.6	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
946	G00B_087_062$_{de}$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.289	59.7	−36.7	11.7	38.5	162.2	0.227	0.818	0.237	64.8	−38.4	12.4	40.3	162.0	5.4	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
947	G00B_075_050$_{de}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.281	55.5	−29.3	9.4	30.8	162.2	0.223	0.733	0.221	57.8	−27.4	7.5	28.4	164.6	3.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
948	G00B_062_037$_{de}$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.273	51.2	−22.0	7.0	23.1	162.2	0.256	0.616	0.226	52.3	−21.7	4.6	22.2	168.0	2.7	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
949	G00B_050_025$_{de}$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.265	47.0	−14.6	4.7	15.4	162.2	0.26	0.504	0.219	46.8	−14.3	1.4	14.4	174.3	3.3	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
950	G00B_037_012$_{de}$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.257	42.8	−7.3	2.3	7.7	162.2	0.257	0.39	0.216	42.7	−6.4	−1.4	6.6	192.5	3.8	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
951	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	34.8	2.2	−3.3	3.9	303.8	5.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
952	B50R_025_012$_{de}$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.193	0.124	0.25	31.3	6.4	−3.9	7.5	328.6	0.222	0.155	0.202	30.7	12.5	−7.5	14.6	328.7	7.0	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
953	B50R_025_025$_{de}$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.136	0.0	0.25	24.1	12.9	−7.9	15.1	328.6	0.125	0.0	0.125	27.2	20.4	−8.5	22.1	337.3	8.1	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
954	G00B_100_087$_{de}$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.18	58.9	−51.3	16.4	53.9	162.2	0.125	0.874	0.168	57.4	−52.0	19.0	55.4	159.8	3.0	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
955	G00B_087_075$_{de}$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.172	54.6	−44.0	14.1	46.2	162.2	0.116	0.796	0.139	59.3	−48.3	17.8	51.5	159.6	7.3	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
956	G00B_075_062$_{de}$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.164	50.4	−36.7	11.7	38.5	162.2	0.119	0.688	0.123	54.0	−35.8	12.2	37.8	161.0	3.7	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
957	G00B_062_050$_{de}$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.156	46.2	−29.3	9.4	30.8	162.2	0.131	0.582	0.121	48.8	−30.5	9.5	31.9	162.5	2.8	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
958	G00B_050_037$_{de}$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.148	42.0	−22.0	7.0	23.1	162.2	0.142	0.476	0.119	42.8	−23.3	5.9	24.1	165.6	1.9	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
959	G00B_037_025$_{de}$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.14	37.7	−14.6	4.7	15.4	162.2	0.149	0.358	0.118	37.9	−17.7	2.9	17.9	170.6	3.5	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
960	G00B_025_012$_{de}$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.132	33.5	−7.3	2.3	7.7	162.2	0.11	0.238	0.095	35.4	−7.5	1.4	7.6	168.9	2.0	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
961	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	23.2	0.5	−0.4	0.7	316.5	6.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
962	B50R_012_012$_{de}$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.068	0.0	0.125	22.0	6.4	−3.9	7.5	328.6	0.05	0.0	0.064	25.2	10.3	−4.4	11.2	336.6	4.9	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6
963	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2	0.041	0.874	0.077	54.8	−57.4	23.3	61.9	157.9	4.7	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
964	G00B_087_087$_{de}$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.055	49.6	−51.3	16.4	53.9	162.2	0.073	0.749	0.076	52.4	−62.8	22.7	66.8	160.1	13.3	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
965	G00B_075_075$_{de}$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.047	45.4	−44.0	14.1	46.2	162.2	0.079	0.576	0.076	50.2	−64.1	21.2	67.5	161.6	21.8	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
966	G00B_062_062$_{de}$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.039	41.1	−36.7	11.7	38.5	162.2	0.071	0.473	0.06	46.3	−59.4	19.1	62.4	162.1	24.4	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
967	G00B_050_050$_{de}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.031	36.9	−29.3	9.4	30.8	162.2	0.0	0.375	0.0	41.5	−53.4	16.3	55.9	162.9	25.4	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
968	G00B_037_037$_{de}$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.023	32.7	−22.0	7.0	23.1	162.2	0.0	0.25	0.0	37.3	−30.3	8.2	31.4	164.7	9.6	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
969	G00B_025_025$_{de}$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.015	28.5	−14.6	4.7	15.4	162.2	0.0	0.25	0.0	32.9	−17.7	3.2	18.0	169.6	5.6	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
970	G00B_012_012$_{de}$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.007	24.2	−7.3	2.3	7.7	162.2	0.0	0.068	0.0	29.6	−5.7	2.3	6.2	157.6	5.6	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
971	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5	0.1	−0.1	0.1	316.8	0.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0

Mean color difference of this page: delta 12.5

1−1133030−F0

RE670−7N, Page 31/33−F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

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

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 32/33

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			$h_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
972	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	0.0	0.0	0.0	293.6	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
973	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	24.9	0.7	−0.8	1.1	310.5	4.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
974	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	36.1	2.4	−3.6	4.3	303.7	4.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
975	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	48.0	4.1	−6.4	7.6	302.4	7.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
976	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	58.3	5.6	−9.2	10.8	301.2	10.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
977	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	69.6	7.2	−12.3	14.3	300.3	14.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
978	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	80.4	8.9	−15.8	18.1	299.3	18.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
979	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	89.9	10.2	−18.4	21.1	298.9	21.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
980	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.3	0.0	0.0	0.0	285.3	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
981	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	11.0	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
982	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	25.2	0.8	−1.0	1.3	307.3	4.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
983	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	36.5	2.5	−3.6	4.4	304.4	4.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
984	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	47.9	4.1	−6.6	7.8	302.0	7.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
985	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	58.2	5.6	−9.4	10.9	301.0	11.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
986	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	70.0	7.3	−12.8	14.8	299.7	15.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
987	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	80.5	8.9	−15.9	18.2	299.3	18.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
988	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	90.1	10.3	−18.8	21.4	298.8	22.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
989	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.4	0.0	−0.1	0.1	289.1	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
990	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	0.0	0.1	0.2	111.4	0.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
991	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	23.2	0.5	−0.5	0.7	316.5	6.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
992	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	36.0	2.4	−3.5	4.2	304.3	4.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
993	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	47.2	4.0	−6.6	7.7	301.7	7.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
994	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	58.4	5.6	−9.4	10.9	300.9	11.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
995	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	69.9	7.3	−12.7	14.6	299.9	15.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
996	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	80.9	8.9	−15.8	18.2	299.3	18.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
997	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	90.0	10.3	−18.7	21.4	298.8	22.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
998	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.4	0.0	0.0	0.0	290.1	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
999	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	96.0	0.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1000	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	29.3	0.0	0.0	0.0	0.0	0.161	0.171	0.137	22.0	0.3	−0.2	0.4	318.6	7.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1001	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	38.5	0.0	0.0	0.0	0.0	0.272	0.294	0.231	34.7	2.2	−3.2	3.9	304.2	5.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1002	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	47.8	0.0	0.0	0.0	0.0	0.347	0.367	0.281	47.6	3.9	−6.5	7.6	301.2	7.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1003	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	57.1	0.0	0.0	0.0	0.0	0.448	0.486	0.35	58.8	5.5	−9.5	11.0	300.4	11.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1004	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.4	0.0	0.0	0.0	0.0	0.543	0.598	0.429	70.3	7.2	−12.6	14.5	299.9	15.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1005	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.7	0.0	0.0	0.0	0.0	0.642	0.724	0.531	80.8	8.8	−15.7	18.0	299.2	18.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1006	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	84.9	0.0	0.0	0.0	0.0	0.763	0.867	0.652	90.1	10.2	−18.4	21.1	298.9	21.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1007	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.5	0.0	0.1	0.1	92.5	0.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1008	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	0.0	−0.1	0.1	234.8	0.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1009	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	24.9	0.0	0.0	0.0	0.0	0.043	0.054	0.03	21.5	0.3	−0.3	0.4	307.8	3.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1010	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	29.9	0.0	0.0	0.0	0.0	0.167	0.177	0.141	25.7	0.9	−1.1	1.4	309.1	4.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1011	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	34.8	0.0	0.0	0.0	0.0	0.235	0.249	0.198	32.5	1.9	−2.7	3.3	305.4	4.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1012	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	39.7	0.0	0.0	0.0	0.0	0.283	0.304	0.238	39.9	3.0	−4.4	5.3	304.0	5.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1013	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	44.7	0.0	0.0	0.0	0.0	0.324	0.344	0.263	44.7	3.6	−5.7	6.8	302.7	6.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1014	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	49.7	0.0	0.0	0.0	0.0	0.361	0.384	0.292	50.8	4.5	−7.2	8.5	301.9	8.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1015	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	54.6	0.0	0.0	0.0	0.0	0.417	0.453	0.331	55.5	5.1	−8.4	9.9	301.4	9.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1016	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.6	0.0	0.0	0.0	0.0	0.476	0.515	0.367	61.6	6.1	−10.1	11.8	301.0	12.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1017	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.5	0.0	0.0	0.0	0.0	0.524	0.578	0.414	68.0	6.9	−12.0	13.9	300.1	14.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1018	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.4	0.0	0.0	0.0	0.0	0.574	0.63	0.452	73.4	7.8	−13.6	15.7	299.7	16.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1019	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.5	0.0	0.0	0.0	0.0	0.625	0.704	0.51	78.9	8.6	−15.2	17.4	299.6	18.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1020	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.4	0.0	0.0	0.0	0.0	0.699	0.78	0.578	83.9	9.3	−16.6	19.0	299.2	19.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1021	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	84.3	0.0	0.0	0.0	0.0	0.754	0.859	0.645	88.3	9.9	−18.0	20.6	298.9	21.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1022	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.2	0.0	0.0	0.0	0.0	0.848	0.948	0.73	92.2	10.5	−19.3	22.0	298.6	22.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1023	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.3	0.0	0.0	0.0	140.0	0.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1024	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	0.0	−0.2	0.2	281.0	0.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1025	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	24.9	0.0	0.0	0.0	0.0	0.043	0.054	0.03	21.5	0.3	−0.3	0.5	308.1	3.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1026	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	29.9	0.0	0.0	0.0	0.0	0.167	0.177	0.141	26.0	0.9	−1.2	1.6	307.5	4.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1027	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	34.8	0.0	0.0	0.0	0.0	0.235	0.249	0.198	32.1	1.8	−2.6	3.2	305.9	4.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1028	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	39.7	0.0	0.0	0.0	0.0	0.283	0.304	0.238	39.6	2.9	−4.4	5.3	303.4	5.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1029	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	44.7	0.0	0.0	0.0	0.0	0.324	0.344	0.263	44.8	3.7	−5.7	6.8	302.7	6.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1030	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	49.7	0.0	0.0	0.0	0.0	0.361	0.384	0.292	50.2	4.4	−7.1	8.4	302.0	8.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1031	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	54.6	0.0	0.0	0.0	0.0	0.417	0.453	0.331	56.2	5.3	−8.8	10.3	301.2	10.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1032	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.6	0.0	0.0	0.0	0.0	0.476	0.515	0.367	62.2	6.1	−10.4	12.1	300.5	12.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1033	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.5	0.0	0.0	0.0	0.0	0.524	0.578	0.414	67.9	7.0	−12.1	14.0	300.1	14.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1034	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.4	0.0	0.0	0.0	0.0	0.574	0.63	0.452	73.0	7.8	−13.6	15.7	299.7	16.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1035	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.5	0.0	0.0	0.0	0.0	0.625	0.704	0.51	78.8	8.6	−15.3	17.6	299.4	18.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1036	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.4	0.0	0.0	0.0	0.0	0.699	0.78	0.578	83.6	9.3	−16.7	19.1	299.3	19.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1037	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	84.3	0.0	0.0	0.0	0.0	0.754	0.859	0.645	88.1	10.0	−18.0	20.6	299.0	20.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1038	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.2	0.0	0.0	0.0	0.0	0.848	0.948	0.73	92.1	10.6	−19.4	22.2	298.6	22.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1039	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.3	0.0	−0.2	0.2	272.0	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1040	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	0.0	0.0	0.1	241.0	0.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1041	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	24.9	0.0	0.0	0.0	0.0	0.043	0.054	0.03	21.4	0.2	−0.3	0.3	308.9	3.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1042	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	29.9	0.0	0.0	0.0	0.0	0.167	0.177	0.141	25.6	0.9	−1.1	1.5	309.6	4.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1043	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	34.8	0.0	0.0	0.0	0.0	0.235	0.249	0.198	32.6	1.9	−2.7	3.3	305.5	4.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1044	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	39.7	0.0	0.0	0.0	0.0	0.283	0.304	0.238	39.5	2.9	−4.5	5.4	302.8	5.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1045	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	44.7	0.0	0.0	0.0	0.0	0.324	0.344	0.263	44.5	3.6	−5.7	6.7	302.4	6.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1046	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	49.7	0.0	0.0	0.0	0.0	0.361	0.384	0.292	51.4	4.6	−7.6	8.9	301.5	9.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1047	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	54.6	0.0	0.0	0.0	0.0	0.417	0.453	0.331	56.0	5.2	−8.7	10.2	301.2	10.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1048	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.6	0.0	0.0	0.0	0.0	0.476	0.515	0.367	61.7	6.1	−10.3	12.0	300.6	12.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1049	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.5	0.0	0.0	0.0	0.0	0.524	0.578	0.414	67.6	6.9	−11.9	13.7	300.2	14.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1050	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.4	0.0	0.0	0.0	0.0	0.574	0.63	0.452	73.2	7.8	−13.6	15.6	299.9	16.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1051	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.5	0.0	0.0	0.0	0.0	0.625	0.704	0.51	78.9	8.5	−15.0	17.3	299.6	17.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1052	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.4	0.0	0.0	0.0	0.0	0.699	0.78	0.578	83.7	9.4	−16.7	19.2	299.2	19.6	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0

Mean color difference of this page: delta 9.8

1-1133130-F0

RE670-7N, Page 32/33-F

TUB-test chart RE67; 1080 standard colours, *cf*=1
colors and differences, Δ*E'**

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE67/RE67L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyn6* (CMYK)

http://130.149.60.45/~farbmetrik/RE67/RE67L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE67/RE67LE30FP.DAT in file (F), page 33/33

n	HIC^*_{Fde}	$rgb_{\_Fde}$			$ict_{\_Fde}$			$h_{si\_F,de}$	rgb^*_{Fde}			$LabCh^*_{Fde}$					rgb'^*_{Fde}			$LabCh'^*_{Fde}$					DE'^*_{Fde}	$h_{siM,de}$	rgb^*_{Mde}			$LabCh^*_{Mde}$				
1053	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	84.3	0.0	0.0	0.0	0.0	0.754	0.859	0.645	88.1	9.9	−17.7	20.3	299.1	20.7	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1054	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.2	0.0	0.0	0.0	0.0	0.848	0.948	0.73	92.3	10.6	−19.5	22.2	298.6	22.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1055	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.3	0.0	0.1	0.1	111.8	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1056	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	−0.1	−0.1	0.1	221.8	0.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1057	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	24.9	0.0	0.0	0.0	0.0	0.043	0.054	0.03	21.4	0.2	−0.3	0.4	307.3	3.5	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1058	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	29.9	0.0	0.0	0.0	0.0	0.167	0.177	0.141	25.7	0.9	−1.3	1.5	304.7	4.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1059	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	34.8	0.0	0.0	0.0	0.0	0.235	0.249	0.198	32.9	1.9	−2.9	3.5	303.8	4.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1060	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	39.7	0.0	0.0	0.0	0.0	0.283	0.304	0.238	39.9	2.9	−4.6	5.4	302.8	5.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1061	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	44.7	0.0	0.0	0.0	0.0	0.324	0.344	0.263	44.0	3.5	−5.7	6.7	301.7	6.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1062	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	49.7	0.0	0.0	0.0	0.0	0.361	0.384	0.292	51.1	4.5	−7.4	8.7	301.2	8.8	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1063	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	54.6	0.0	0.0	0.0	0.0	0.417	0.453	0.331	56.3	5.3	−8.8	10.2	301.0	10.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1064	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.6	0.0	0.0	0.0	0.0	0.476	0.515	0.367	62.2	6.1	−10.3	12.0	300.5	12.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1065	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.5	0.0	0.0	0.0	0.0	0.524	0.578	0.414	68.0	6.9	−12.1	13.9	299.9	14.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1066	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.4	0.0	0.0	0.0	0.0	0.574	0.63	0.452	73.8	7.8	−13.7	15.7	299.6	16.3	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1067	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.5	0.0	0.0	0.0	0.0	0.625	0.704	0.51	79.3	8.6	−15.3	17.5	299.5	18.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1068	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.4	0.0	0.0	0.0	0.0	0.699	0.78	0.578	83.8	9.3	−16.4	18.9	299.4	19.4	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1069	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	84.3	0.0	0.0	0.0	0.0	0.754	0.859	0.645	88.3	9.9	−17.9	20.5	299.0	20.9	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1070	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.2	0.0	0.0	0.0	0.0	0.848	0.948	0.73	92.1	10.5	−19.1	21.8	298.8	22.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1071	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.3	0.0	0.0	0.0	93.7	0.1	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1072	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9	0.0	0.0	0.0	64.5	0.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1073	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0	1.0	1.0	1.0	94.4	0.0	0.0	0.0	81.8	0.2	360	1.0	1.0	1.0	94.2	0.0	0.0	0.0	0.0
1074	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4	1.0	0.0	0.0	45.2	60.6	27.0	66.4	24.0	2.6	30	1.0	0.0	0.0	45.9	61.7	29.4	68.4	25.4
1075	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9	0.046	0.874	0.642	51.7	−24.1	−46.7	52.5	242.7	23.5	194	0.0	1.0	0.723	56.0	−34.7	−26.1	43.4	216.9
1076	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3	0.971	0.911	0.034	89.7	−7.3	68.1	68.5	96.1	8.6	86	1.0	0.932	0.0	86.8	−2.4	61.6	61.6	92.3
1077	B00R_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7	0.0	0.369	1.0	32.0	24.9	−46.4	52.7	298.2	25.6	248	0.0	0.368	1.0	40.0	1.6	−53.4	53.5	271.7
1078	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2	0.041	0.874	0.077	53.6	−58.4	21.7	62.3	159.5	2.9	153	0.0	1.0	0.062	53.8	−58.7	18.8	61.6	162.2
1079	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6	0.545	0.0	1.0	46.5	70.8	−16.5	72.7	346.8	26.2	302	0.544	0.0	1.0	36.4	51.8	−31.6	60.6	328.6

Mean color difference of this page: **delta** **11.1**

1−1133230−F0 RE670−7N, Page 33/33−F

TUB-test chart RE67; 1080 standard colours, cf=1
colors and differences, $\Delta E'^*$

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

see similar files: http://130.149.60.45/~farbmetrik/RE67/RE67.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik