

Input and Output: Offset Reflective System ORS18a

Data for any device (d) or
elementary (e) colour:

HIC^* –

hue text for the colours
of this page:

$H^*_- = R00Y_-$, $R25Y_-$, ..., $B75R_-$

ORS20a; adapted (a) CIELAB data

H^*_-	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_	48.4	66.1	40.2	77.3
R25Y_100_100_	56.8	48.0	50.5	69.6
R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-31.7	62.7	70.2
Y75G_100_100_	62.0	-49.7	43.2	65.8
G00B_100_100_	55.8	-65.2	33.8	73.4
G25B_100_100_	59.3	-50.3	-9.0	51.0
G50B_100_100_	63.0	-30.5	-42.0	51.9
G75B_100_100_	45.7	-5.7	-44.6	44.9
B00R_100_100_	27.5	25.9	-47.3	53.9
B25R_100_100_	38.3	52.6	-28.5	59.8
B50R_100_100_	49.5	73.5	-9.0	74.0
B75R_100_100_	48.9	69.3	12.9	70.4



% Gamut

$u^*_{rel} = 92$

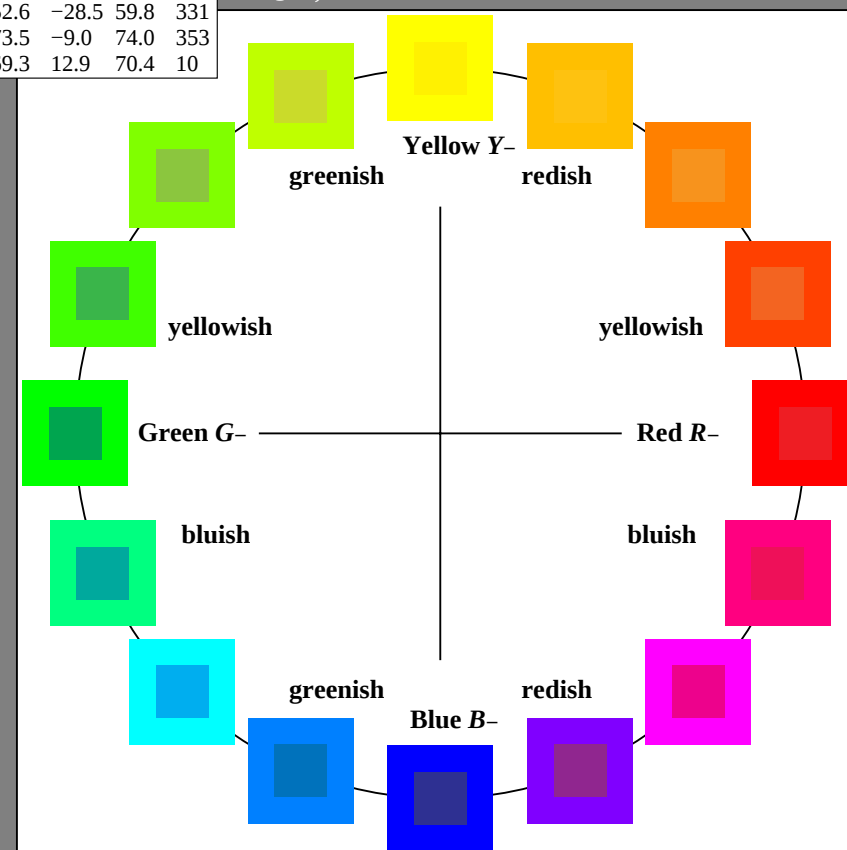
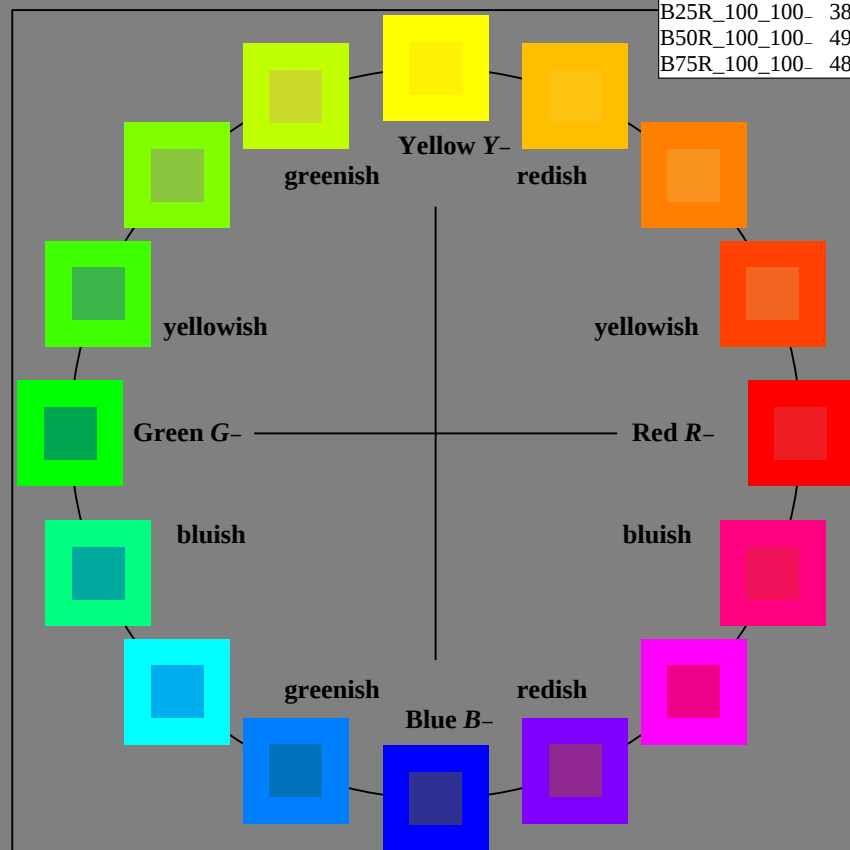
% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

ORS18a; adapted (a) CIELAB data

name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_-,Ma	47.9	65.3	50.5	82.6
Y_-,Ma	90.3	-10.2	91.7	92.3
G_-,Ma	50.9	-62.8	34.9	71.9
C_-,Ma	58.6	-30.3	-45.0	54.2
B_-,Ma	25.7	31.0	-44.4	54.2
M_-,Ma	48.1	75.2	-8.3	75.7
N_-,Ma	18.0	0.0	0.0	0.0
W_-,Ma	95.4	0.0	0.0	0.0
R_-,CIE	39.9	58.7	27.9	65.0
Y_-,CIE	81.2	-2.8	71.5	71.6
G_-,CIE	52.2	-42.4	13.6	44.5
B_-,CIE	30.5	1.4	-46.4	46.4



1-103031-L0 PE870-7N

TUB-test chart PE87; 16 step hue circle
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

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

Input and Output: Offset Reflective System ORS18a

Data for any device (d) or
elementary (e) colour:

HIC^*_d

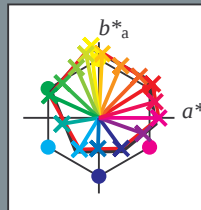
hue text for the colours

of this page:

$H^*_d = R00Y_d, R25Y_d, \dots, B75R_d$

ORS20a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_d	45.4	70.9	44.8	83.9
R25Y_100_100_d	53.0	53.4	54.8	76.5
R50Y_100_100_d	64.9	28.9	68.6	74.5
R75Y_100_100_d	78.6	4.3	84.7	84.8
Y00G_100_100_d	87.8	-10.2	95.4	96.0
Y25G_100_100_d	81.2	-17.0	84.3	86.0
Y50G_100_100_d	70.6	-29.7	66.5	72.8
Y75G_100_100_d	57.9	-48.3	45.8	66.5
G00B_100_100_d	50.0	-65.0	29.6	71.4
G25B_100_100_d	52.9	-48.6	-8.0	49.3
G50B_100_100_d	56.8	-25.5	-41.5	48.7
G75B_100_100_d	41.7	-1.2	-40.6	40.6
B00R_100_100_d	25.0	29.5	-40.4	50.0
B25R_100_100_d	35.6	58.6	-20.7	62.1
B50R_100_100_d	46.1	79.3	-0.2	79.3
B75R_100_100_d	45.9	74.2	21.1	77.1



% Gamut

$u^*_{rel} = 92$

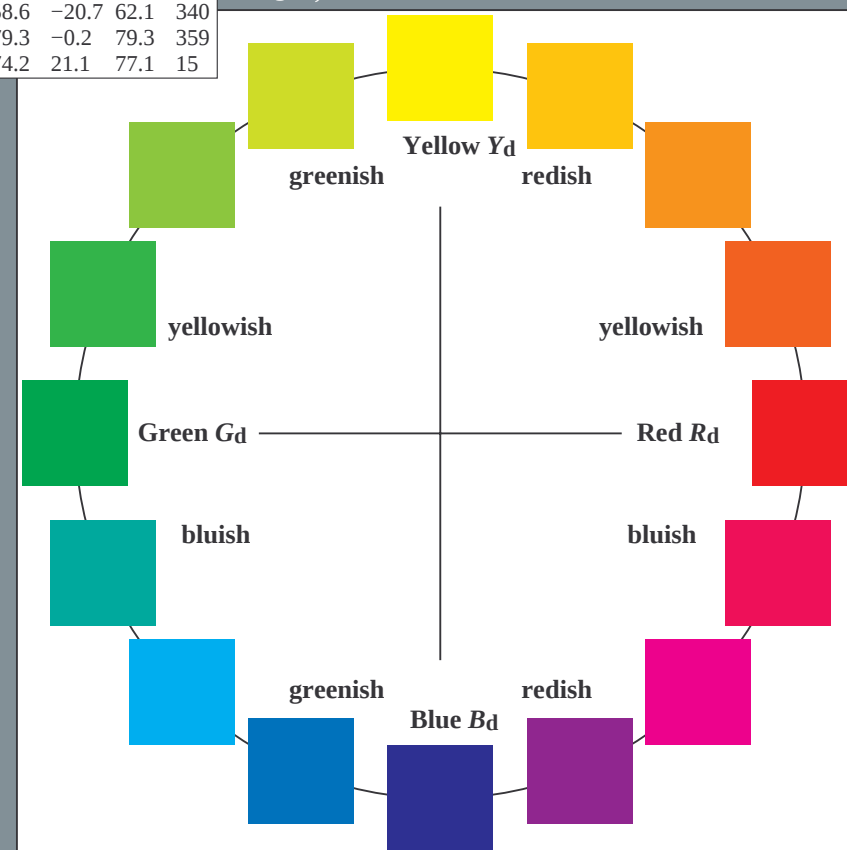
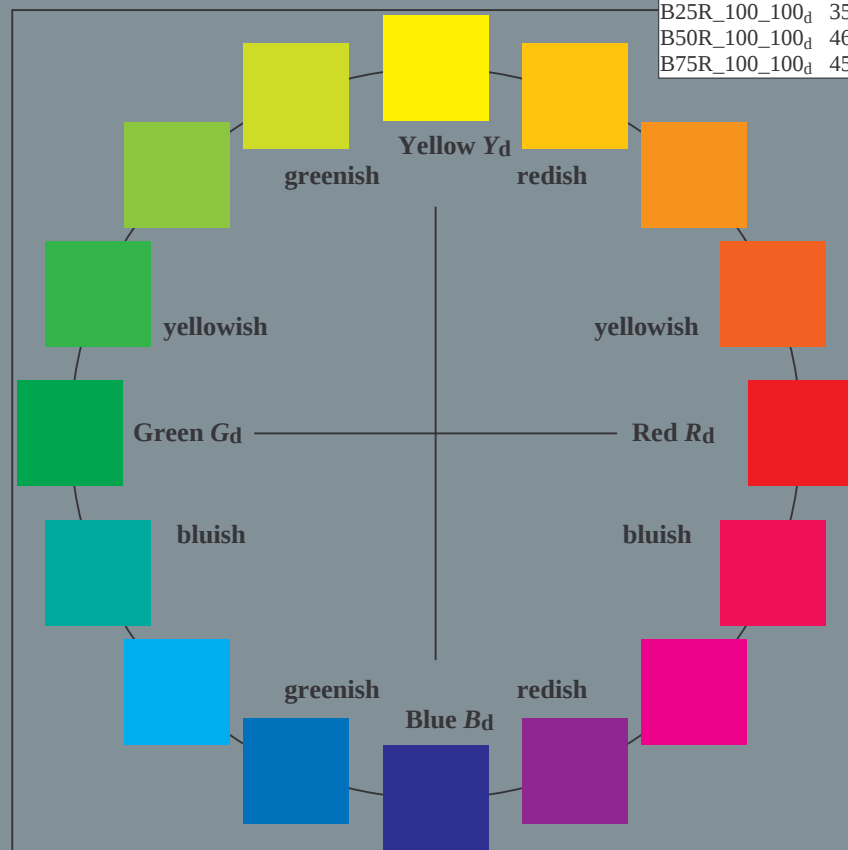
% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{d, Ma}	45.4	70.9	44.8	83.9
Y _{d, Ma}	87.8	-10.2	95.4	96.0
G _{d, Ma}	50.0	-65.0	29.6	71.4
C _{d, Ma}	56.8	-25.5	-41.5	48.7
B _{d, Ma}	25.0	29.5	-40.4	50.0
M _{d, Ma}	46.1	79.3	-0.2	79.3
N _{d, Ma}	24.3	0.0	0.0	0.0
W _{d, Ma}	95.6	0.0	0.0	0.0
R _{d, CIE}	39.9	58.7	27.9	65.0
Y _{d, CIE}	81.2	-2.8	71.5	71.6
G _{d, CIE}	52.2	-42.4	13.6	44.5
B _{d, CIE}	30.5	1.4	-46.4	46.4



1-103131-L0 PE870-72

TUB-test chart PE87; 16 step hue circle
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

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

output: 3D-linearization to $cmY0^*_{dd}$

Input and Output: Offset Reflective System ORS18a

Data for any device (d) or
elementary (e) colour:

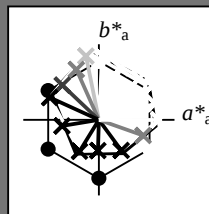
HIC^*_d

hue text for the colours
of this page:

$H^*_d = R00Y_d, R25Y_d, \dots, B75R_d$

ORS20a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_d	45.4	70.9	44.8	83.9
R25Y_100_100_d	53.0	53.4	54.8	76.5
R50Y_100_100_d	64.9	28.9	68.6	74.5
R75Y_100_100_d	78.6	4.3	84.7	84.8
Y00G_100_100_d	87.8	-10.2	95.4	96.0
Y25G_100_100_d	81.2	-17.0	84.3	86.0
Y50G_100_100_d	70.6	-29.7	66.5	72.8
Y75G_100_100_d	57.9	-48.3	45.8	66.5
G00B_100_100_d	50.0	-65.0	29.6	71.4
G25B_100_100_d	52.9	-48.6	-8.0	49.3
G50B_100_100_d	56.8	-25.5	-41.5	48.7
G75B_100_100_d	41.7	-1.2	-40.6	40.6
B00R_100_100_d	25.0	29.5	-40.4	50.0
B25R_100_100_d	35.6	58.6	-20.7	62.1
B50R_100_100_d	46.1	79.3	-0.2	79.3
B75R_100_100_d	45.9	74.2	21.1	77.1



% Gamut

$u^*_{rel} = 92$

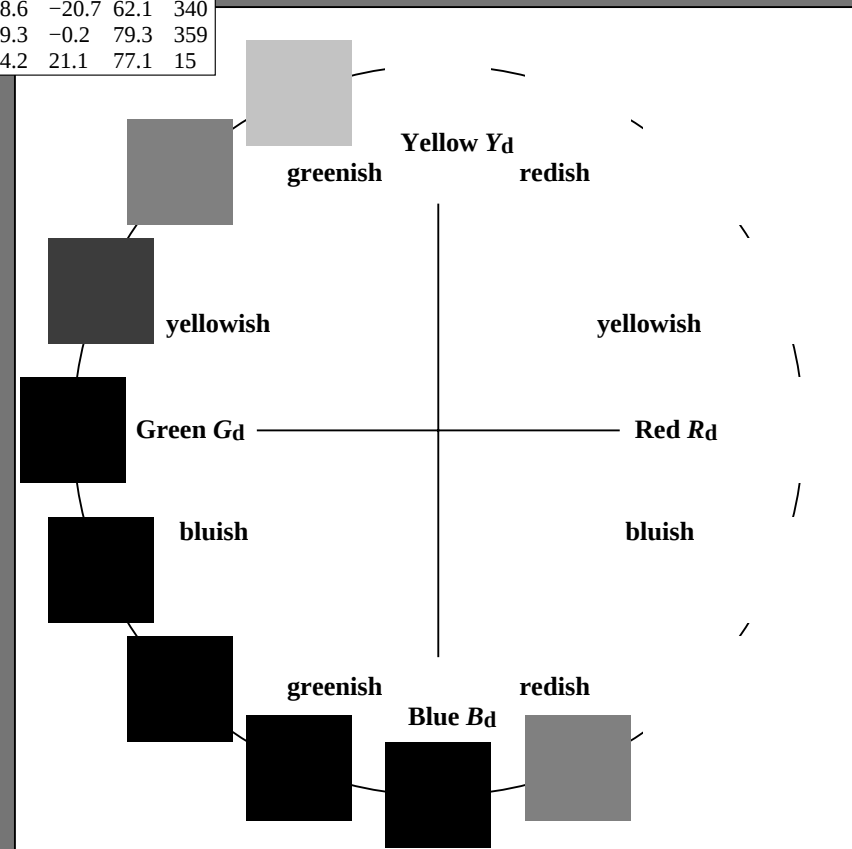
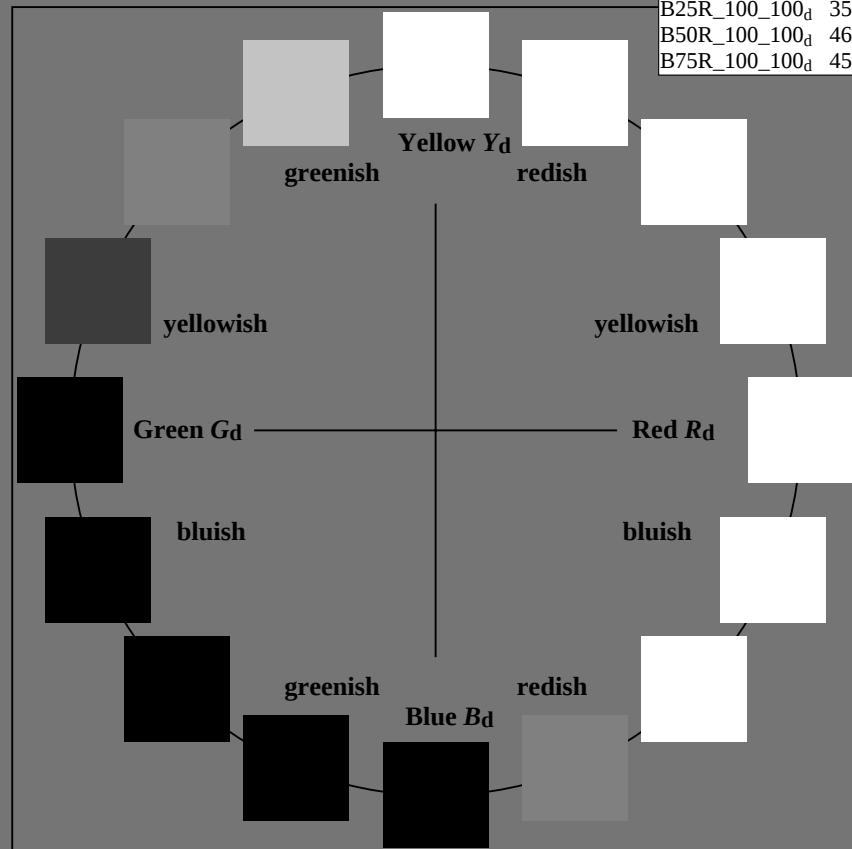
% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{d, Ma}	45.4	70.9	44.8	83.9
Y _{d, Ma}	87.8	-10.2	95.4	96.0
G _{d, Ma}	50.0	-65.0	29.6	71.4
C _{d, Ma}	56.8	-25.5	-41.5	48.7
B _{d, Ma}	25.0	29.5	-40.4	50.0
M _{d, Ma}	46.1	79.3	-0.2	79.3
N _{d, Ma}	24.3	0.0	0.0	0.0
W _{d, Ma}	95.6	0.0	0.0	0.0
R _{d, CIE}	39.9	58.7	27.9	65.0
Y _{d, CIE}	81.2	-2.8	71.5	71.6
G _{d, CIE}	52.2	-42.4	13.6	44.5
B _{d, CIE}	30.5	1.4	-46.4	46.4



1-103231-L0 PE870-72

TUB-test chart PE87; 16 step hue circle
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

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

Input and Output: Offset Reflective System ORS18a

Data for any device (d) or
elementary (e) colour:

HIC^*_d

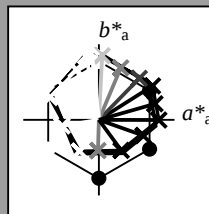
hue text for the colours

of this page:

$H^*_d = R00Y_d, R25Y_d, \dots, B75R_d$

ORS20a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_d	45.4	70.9	44.8	83.9
R25Y_100_100_d	53.0	53.4	54.8	76.5
R50Y_100_100_d	64.9	28.9	68.6	74.5
R75Y_100_100_d	78.6	4.3	84.7	84.8
Y00G_100_100_d	87.8	-10.2	95.4	96.0
Y25G_100_100_d	81.2	-17.0	84.3	86.0
Y50G_100_100_d	70.6	-29.7	66.5	72.8
Y75G_100_100_d	57.9	-48.3	45.8	66.5
G00B_100_100_d	50.0	-65.0	29.6	71.4
G25B_100_100_d	52.9	-48.6	-8.0	49.3
G50B_100_100_d	56.8	-25.5	-41.5	48.7
G75B_100_100_d	41.7	-1.2	-40.6	40.6
B00R_100_100_d	25.0	29.5	-40.4	50.0
B25R_100_100_d	35.6	58.6	-20.7	62.1
B50R_100_100_d	46.1	79.3	-0.2	79.3
B75R_100_100_d	45.9	74.2	21.1	77.1



% Gamut

$u^*_{rel} = 92$

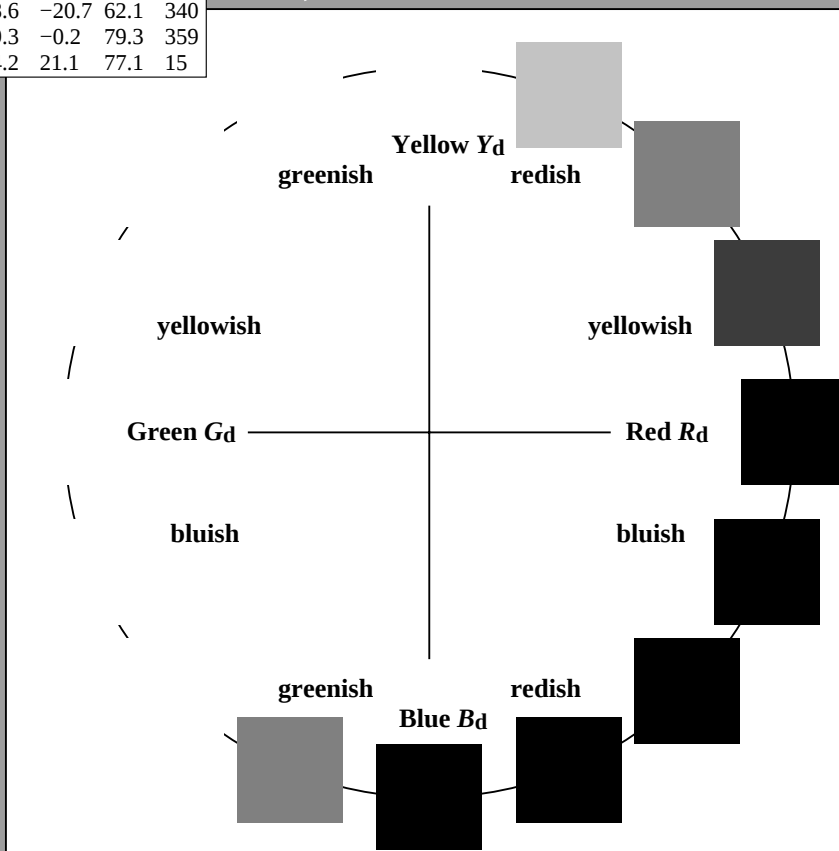
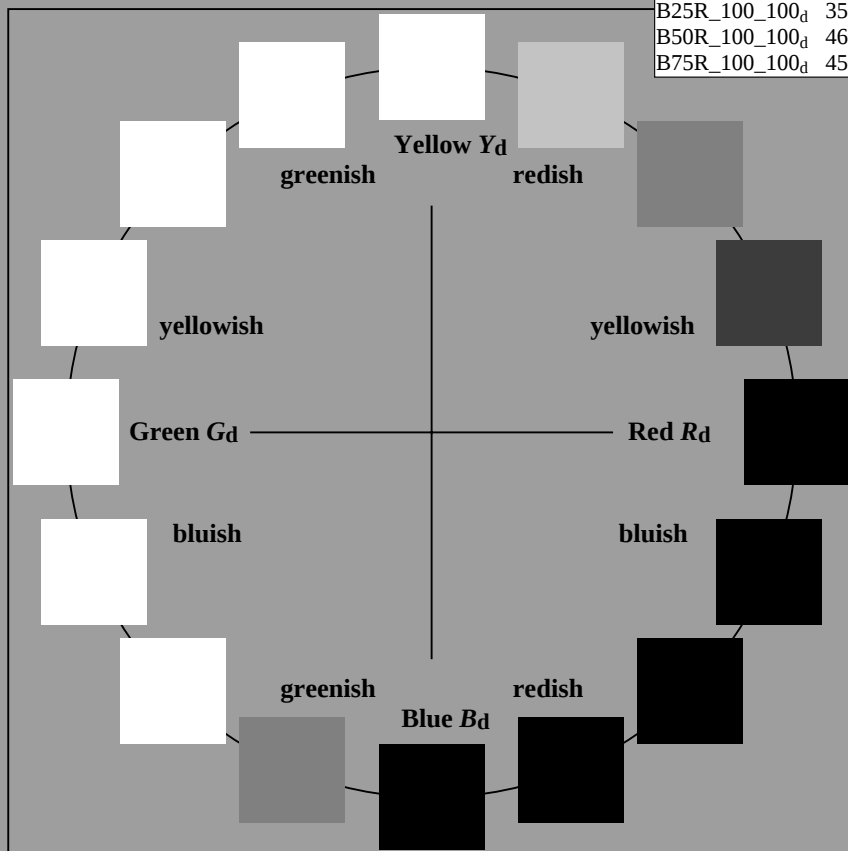
% Regularity

$g^*_{H,rel} = 57$

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ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{d, Ma}	45.4	70.9	44.8	83.9
Y _{d, Ma}	87.8	-10.2	95.4	96.0
G _{d, Ma}	50.0	-65.0	29.6	71.4
C _{d, Ma}	56.8	-25.5	-41.5	48.7
B _{d, Ma}	25.0	29.5	-40.4	50.0
M _{d, Ma}	46.1	79.3	-0.2	79.3
N _{d, Ma}	24.3	0.0	0.0	0.0
W _{d, Ma}	95.6	0.0	0.0	0.0
R _{d, CIE}	39.9	58.7	27.9	65.0
Y _{d, CIE}	81.2	-2.8	71.5	71.6
G _{d, CIE}	52.2	-42.4	13.6	44.5
B _{d, CIE}	30.5	1.4	-46.4	46.4



1-103331-L0 PE870-72

TUB-test chart PE87; 16 step hue circle
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

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

output: 3D-linearization to $cmY0^*_{dd}$

Input and Output: Offset Reflective System ORS18a

Data for any device (d) or
elementary (e) colour:

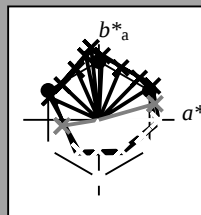
HIC^*_d

hue text for the colours
of this page:

$H^*_d = R00Y_d, R25Y_d, \dots, B75R_d$

ORS20a; adapted (a) CIELAB data

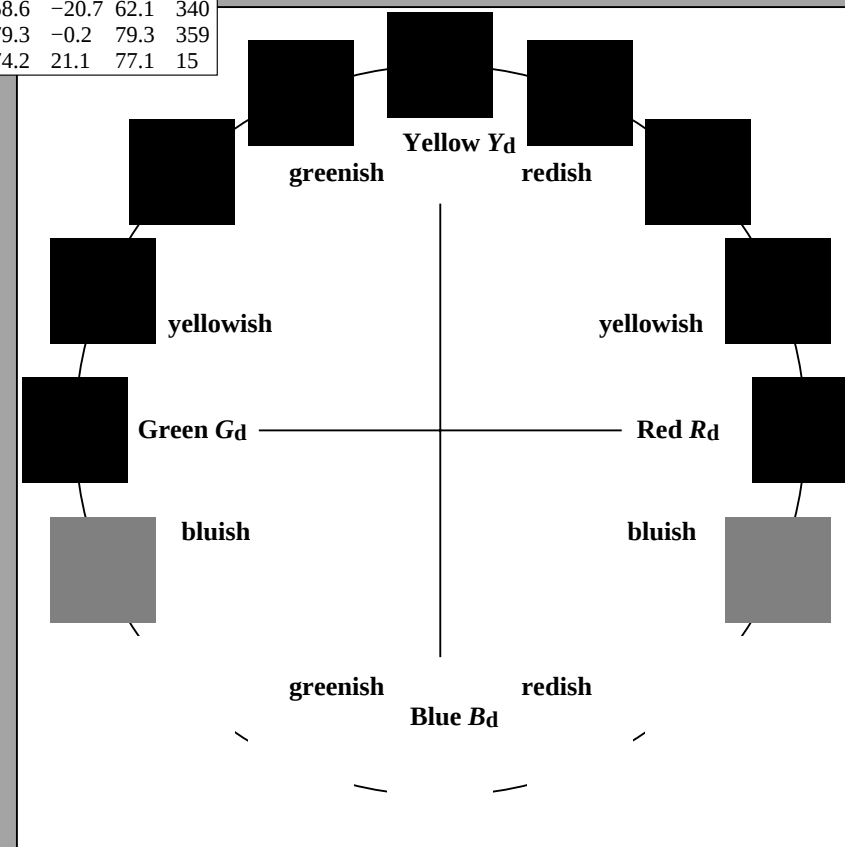
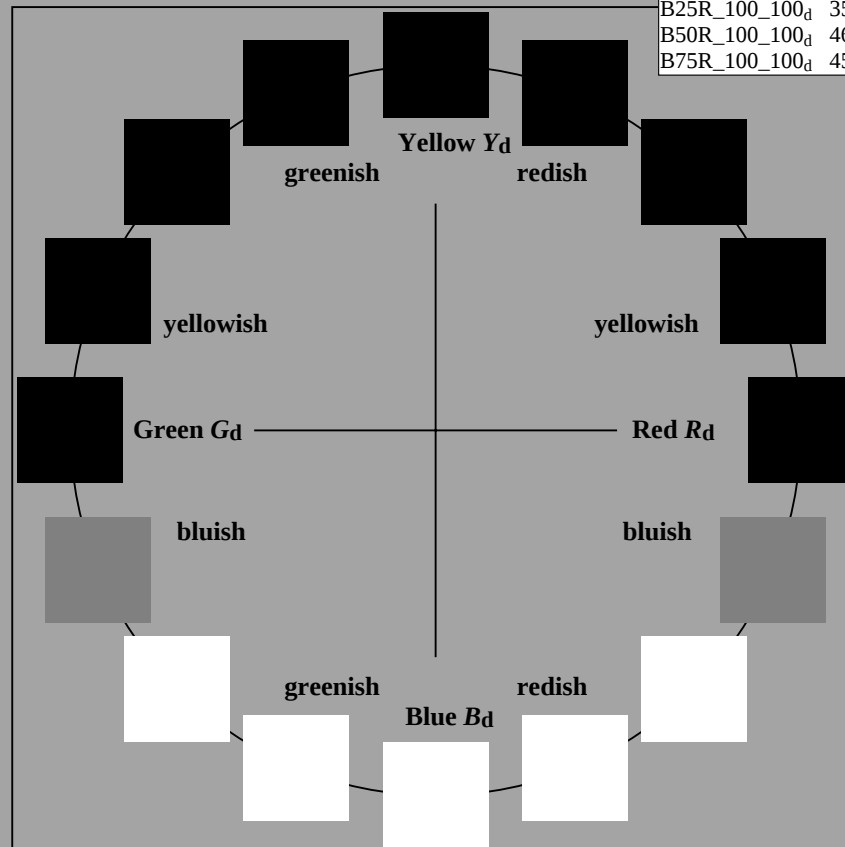
H^*_d	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_d	45.4	70.9	44.8	83.9
R25Y_100_100_d	53.0	53.4	54.8	76.5
R50Y_100_100_d	64.9	28.9	68.6	74.5
R75Y_100_100_d	78.6	4.3	84.7	84.8
Y00G_100_100_d	87.8	-10.2	95.4	96.0
Y25G_100_100_d	81.2	-17.0	84.3	86.0
Y50G_100_100_d	70.6	-29.7	66.5	72.8
Y75G_100_100_d	57.9	-48.3	45.8	66.5
G00B_100_100_d	50.0	-65.0	29.6	71.4
G25B_100_100_d	52.9	-48.6	-8.0	49.3
G50B_100_100_d	56.8	-25.5	-41.5	48.7
G75B_100_100_d	41.7	-1.2	-40.6	40.6
B00R_100_100_d	25.0	29.5	-40.4	50.0
B25R_100_100_d	35.6	58.6	-20.7	62.1
B50R_100_100_d	46.1	79.3	-0.2	79.3
B75R_100_100_d	45.9	74.2	21.1	77.1



% Gamut
 $u^*_{rel} = 92$
% Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 58$

ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{d, Ma}	45.4	70.9	44.8	83.9
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B _{d, Ma}	25.0	29.5	-40.4	50.0
M _{d, Ma}	46.1	79.3	-0.2	79.3
N _{d, Ma}	24.3	0.0	0.0	0.0
W _{d, Ma}	95.6	0.0	0.0	0.0
R _{d, CIE}	39.9	58.7	27.9	65.0
Y _{d, CIE}	81.2	-2.8	71.5	71.6
G _{d, CIE}	52.2	-42.4	13.6	44.5
B _{d, CIE}	30.5	1.4	-46.4	46.4



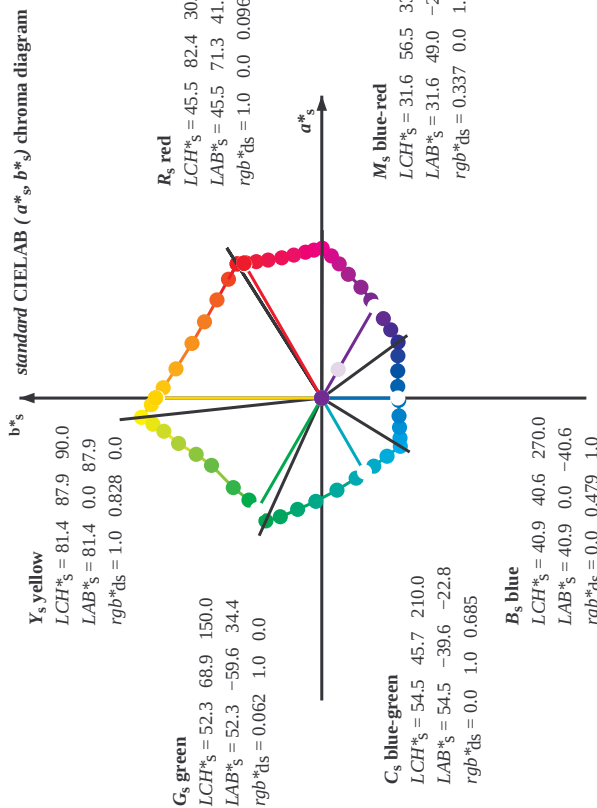
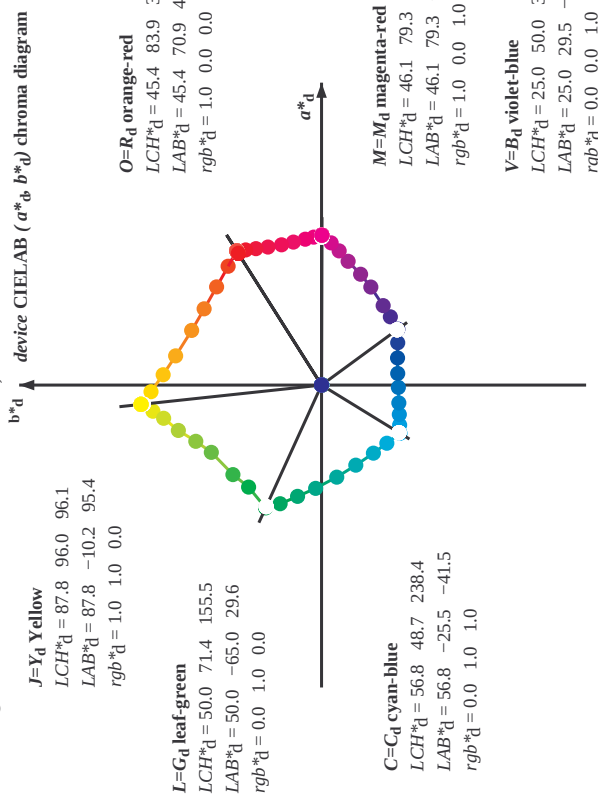
1-103431-L0 PE870-72

TUB-test chart PE87; 16 step hue circle
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

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



Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*. D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours RYGBCM; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



TUB registration: 20150701-PE87/PE87LOFP.PDF /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

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

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM _d : h _{ab,d} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;			Six hue angles of the device colours RYGBM _d : h _{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYGBM _e : h _{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6		
h _{ab,d} h _{ab,s} h _{ab,e} r _{gb} * d _{64M}			LAB* d _{64M} (x=LabCh)		
32.3	30.0	25.4	1.0	0.0	0.0
38.1	37.5	33.8	1.0	0.125	0.0
46.8	45.0	42.1	1.0	0.25	0.0
56.9	52.5	50.5	1.0	0.375	0.0
67.1	60.0	58.8	1.0	0.5	0.0
78.6	67.5	67.2	1.0	0.625	0.0
86.2	75.0	75.6	1.0	0.75	0.0
92.1	82.5	83.9	1.0	0.875	0.0
96.1	90.0	92.3	1.0	1.0	0.0
101.8	97.5	101.0	0.875	1.0	0.0
107.6	105.0	109.7	0.75	1.0	0.0
114.0	112.5	118.5	0.625	1.0	0.0
121.4	120.0	127.2	0.5	1.0	0.0
128.6	127.5	136.0	0.375	1.0	0.0
135.3	135.0	144.7	0.25	1.0	0.0
144.4	142.5	153.4	0.125	1.0	0.0
155.5	150.0	162.2	0.0	1.0	0.0
160.7	157.5	169.0	0.0	1.0	0.125
167.7	165.0	175.9	0.0	1.0	0.25
176.7	172.5	182.7	0.0	1.0	0.375
189.3	180.0	189.6	0.0	1.0	0.5
203.2	187.5	196.4	0.0	1.0	0.625
217.2	195.0	203.2	0.0	1.0	0.75
228.3	202.5	210.1	0.0	1.0	0.875
238.4	210.0	216.9	0.0	1.0	1.0
242.9	217.5	223.8	0.0	0.875	1.0
249.3	225.0	230.6	0.0	0.75	1.0
256.9	232.5	237.5	0.0	0.625	1.0
268.2	240.0	244.3	0.0	0.5	1.0
278.6	247.5	251.2	0.0	0.375	1.0
289.6	255.0	258.0	0.0	0.25	1.0
299.0	262.5	264.8	0.0	0.125	1.0
306.2	270.0	271.7	0.0	0.0	1.0
314.7	277.5	278.8	0.125	0.0	1.0
322.1	285.0	285.9	0.25	0.0	1.0
333.3	292.5	293.0	0.375	0.0	1.0
340.5	300.0	300.1	0.5	0.0	1.0
347.9	307.5	307.2	0.625	0.0	1.0
352.5	315.0	314.3	0.75	0.0	1.0
356.1	322.5	321.4	0.875	0.0	1.0
359.8	330.0	328.6	1.0	0.0	1.0
363.0	337.5	335.7	1.0	0.0	0.875
366.4	345.0	342.8	1.0	0.0	0.75
371.1	352.5	349.9	1.0	0.0	0.625
381.2	367.5	364.1	1.0	0.0	0.5
385.6	375.0	371.2	1.0	0.0	0.25
389.3	382.5	378.3	1.0	0.0	0.125
392.3	390.0	385.4	1.0	0.0	0.0

LAB* d_{64M} (x=LabCh) LAB* d_{64M} (x=LabCh) LAB* d_{64M} (x=LabCh) LAB* d_{64M} (x=LabCh) LAB* d_{64M} (x=LabCh) LAB* d_{64M} (x=LabCh)

TUB-test chart PE87; 16 step hue circle
48 step hue circles; r_{gb}-LabCh*tables

input: r_{gb}/cmyk -> r_{gb}dd
output: 3D-linearization to cmy0*dd

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

see similar files: <http://130.149.60.45/~farbmatrik/PE87/PE87.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

<http://130.149.60.45/~farbmatrik/PE87/PE87L0FP.PDF> /PS; 3D-linearization F: 3D-linearization PE87/PE87LE30FP.DAT in file (F), page 11/33

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

5.6, 0.0, 0.0	Output: Offset stan
---------------	---------------------

LAB*|**a**. YN=0%. XYZηw=3.6. 4.2. 6.1. 85.4. 89.1. 104.8. LAB* ηw=24.4. 0.0. 0.0. 95.6. 0.0. 0.0.

Output: Offset standard print: separation cmv0*. D65, page 11/33

http://130.149.60.45/~farbmetrik/PE87/PE87LOFP.PDF /.PS; 3D-linearization
F: 3D-linearization PE87/PE87LE30FP.DAT in file (F), page 12/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																				Six hue angles of the device colours RYGBCM; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																			
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{ds}	rgb^*_{de}	LAB^*_{ds}	LAB^*_{de}	rgb^*_{ds}	rgb^*_{de}	LAB^*_{ds}	LAB^*_{de}	rgb^*_{ds}	rgb^*_{de}	LAB^*_{ds}	LAB^*_{de}	rgb^*_{ds}	rgb^*_{de}	LAB^*_{ds}	LAB^*_{de}	rgb^*_{ds}	rgb^*_{de}																			
114	120	127	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114	0.399	1.0	0.0	66.7	-34.5	59.9	69.2	120	0.5	1.0	0.0	0.322	1.0	0.0	62.6	-40.8	53.8	67.6	127	0.5	1.0	0.0							
115	121	128	0.0	0.0	69.9	-30.5	65.4	72.2	115	0.382	1.0	0.0	66.0	-35.2	58.8	68.6	121	0.483	1.0	0.0	0.312	1.0	0.0	62.0	-41.8	52.9	67.5	128	0.483	1.0	0.0								
116	122	129	0.0	0.0	69.3	-31.4	64.3	71.6	116	0.37	1.0	0.0	65.4	-36.1	57.9	68.3	122	0.467	1.0	0.0	0.301	1.0	0.0	61.4	-42.8	51.9	67.3	129	0.467	1.0	0.0								
117	123	130	0.0	0.0	68.6	-32.2	63.2	71.0	117	0.361	1.0	0.0	64.9	-37.0	57.1	68.1	123	0.45	1.0	0.0	0.291	1.0	0.0	60.8	-43.8	50.9	67.2	130	0.45	1.0	0.0								
118	124	131	0.0	0.0	68.0	-33.0	62.1	70.4	118	0.352	1.0	0.0	64.4	-37.9	56.4	68.0	124	0.433	1.0	0.0	0.28	1.0	0.0	60.2	-44.7	49.9	67.0	131	0.433	1.0	0.0								
119	125	133	0.0	0.0	67.3	-33.8	61.0	69.8	119	0.343	1.0	0.0	63.8	-38.8	55.6	67.9	125	0.417	1.0	0.0	0.27	1.0	0.0	59.6	-45.6	48.9	66.9	133	0.417	1.0	0.0								
120	126	134	0.0	0.0	66.7	-34.5	59.9	69.2	120	0.334	1.0	0.0	63.3	-39.7	54.8	67.8	126	0.4	1.0	0.0	0.259	1.0	0.0	59.0	-46.5	47.8	66.8	134	0.4	1.0	0.0								
121	127	135	0.0	0.0	66.0	-35.2	58.8	68.6	121	0.325	1.0	0.0	62.8	-40.6	54.0	67.6	127	0.383	1.0	0.0	0.249	1.0	0.0	58.4	-47.4	46.8	66.6	135	0.383	1.0	0.0								
122	128	136	0.0	0.0	65.2	-36.4	57.6	68.2	122	0.316	1.0	0.0	62.3	-41.5	53.2	67.5	128	0.367	1.0	0.0	0.233	1.0	0.0	57.9	-48.3	45.8	66.6	136	0.367	1.0	0.0								
123	129	137	0.0	0.0	64.2	-38.2	56.2	67.9	123	0.307	1.0	0.0	61.7	-42.3	52.4	67.4	129	0.35	1.0	0.0	0.217	1.0	0.0	57.4	-49.2	44.7	66.6	137	0.35	1.0	0.0								
124	130	138	0.0	0.0	63.2	-39.8	54.7	67.7	124	0.298	1.0	0.0	61.2	-43.1	51.5	67.3	130	0.333	1.0	0.0	0.201	1.0	0.0	57.0	-50.0	43.7	66.5	138	0.333	1.0	0.0								
125	131	140	0.0	0.0	62.3	-41.4	53.2	67.5	125	0.289	1.0	0.0	60.7	-44.0	50.7	67.2	131	0.317	1.0	0.0	0.185	1.0	0.0	56.5	-50.9	42.7	66.5	140	0.317	1.0	0.0								
126	132	141	0.0	0.0	61.3	-43.0	51.7	67.3	126	0.28	1.0	0.0	60.2	-44.8	49.8	67.0	132	0.3	1.0	0.0	0.169	1.0	0.0	56.0	-51.7	41.6	66.5	141	0.3	1.0	0.0								
127	133	142	0.0	0.0	60.3	-44.5	50.1	67.0	127	0.271	1.0	0.0	59.6	-45.5	48.9	66.9	133	0.283	1.0	0.0	0.153	1.0	0.0	55.5	-52.5	40.5	66.4	142	0.283	1.0	0.0								
128	134	143	0.0	0.0	59.3	-45.9	48.5	66.8	128	0.262	1.0	0.0	59.1	-46.3	48.0	66.8	134	0.267	1.0	0.0	0.137	1.0	0.0	55.1	-53.3	39.4	66.4	143	0.267	1.0	0.0								
129	135	144	0.0	0.0	58.4	-47.3	46.8	66.6	129	0.253	1.0	0.0	58.6	-47.0	47.1	66.7	135	0.25	1.0	0.0	0.122	1.0	0.0	54.6	-54.2	38.4	66.5	144	0.25	1.0	0.0								
130	136	145	0.0	0.0	57.9	-48.3	45.8	66.5	130	0.241	1.0	0.0	58.1	-47.8	46.3	66.6	136	0.233	1.0	0.0	0.108	1.0	0.0	54.1	-55.4	37.6	67.0	145	0.233	1.0	0.0								
131	137	147	0.0	0.0	57.4	-49.2	44.7	66.5	131	0.227	1.0	0.0	57.7	-48.6	45.4	66.6	137	0.217	1.0	0.0	0.095	1.0	0.0	53.6	-56.6	36.7	67.6	147	0.217	1.0	0.0								
132	138	148	0.0	0.0	56.9	-50.1	43.6	66.5	132	0.213	1.0	0.0	57.3	-49.4	44.5	66.6	138	0.2	1.0	0.0	0.082	1.0	0.0	53.1	-57.8	35.8	68.1	148	0.2	1.0	0.0								
133	139	149	0.0	0.0	56.4	-51.0	42.5	66.4	133	0.2	1.0	0.0	56.9	-50.1	43.6	66.5	139	0.183	1.0	0.0	0.069	1.0	0.0	52.6	-59.0	34.9	68.6	149	0.183	1.0	0.0								
134	140	150	0.0	0.0	55.9	-51.9	41.4	66.4	134	0.186	1.0	0.0	56.5	-50.8	42.7	66.5	140	0.167	1.0	0.0	0.056	1.0	0.0	52.1	-60.1	34.0	69.2	150	0.167	1.0	0.0								
135	141	151	0.0	0.0	55.4	-52.7	40.3	66.4	135	0.172	1.0	0.0	56.1	-51.6	41.8	66.5	141	0.15	1.0	0.0	0.043	1.0	0.0	51.7	-61.3	33.0	69.7	151	0.15	1.0	0.0								
136	142	152	0.0	0.0	54.9	-53.5	39.1	66.3	136	0.159	1.0	0.0	55.7	-52.3	40.9	66.4	142	0.133	1.0	0.0	0.03	1.0	0.0	51.2	-62.4	32.0	70.2	152	0.133	1.0	0.0								
137	143	153	0.0	0.0	54.4	-54.7	38.0	66.6	137	0.145	1.0	0.0	55.3	-52.9	40.0	66.4	143	0.117	1.0	0.0	0.016	1.0	0.0	50.7	-63.5	30.9	70.8	153	0.117	1.0	0.0								
138	144	155	0.1	1.0	0.0	53.7	-56.2	37.0	67.3	138	0.131	1.0	0.0	54.9	-53.6	39.0	66.4	144	0.1	1.0	0.0	0.003	1.0	0.0	50.2	-64.6	29.9	71.3	154	0.1	1.0	0.0							
139	145	156	0.083	1.0	0.0	53.1	-57.7	35.9	68.0	139	0.119	1.0	0.0	54.5	-54.5	38.2	66.6	145	0.083	1.0	0.0	0.0	1.0	0.021	50.1	-64.6	28.3	70.6	155	0.083	1.0	0.0							
140	146	157	0.066	1.0	0.0	52.5	-59.2	34.7	68.7	140	0.107	1.0	0.0	54.1	-55.5	37.5	67.1	146	0.067	1.0	0.0	0.0	1.0	0.049	50.3	-64.2	26.5	69.5	157	0.067	1.0	0.0							
141	147	158	0.049	1.0	0.0	51.9	-60.7	33.5	69.4	141	0.096	1.0	0.0	53.7	-56.5	36.8	67.5	147	0.05	1.0	0.0	0.0	1.0	0.077	50.4	-63.7	24.8	68.4	158	0.05	1.0	0.0							
142	148	159	0.033	1.0	0.0	51.3	-62.2	32.2	70.0	142	0.085	1.0	0.0	53.2	-57.6	36.0	68.0	148	0.033	1.0	0.0	0.0	1.0	0.104	50.5	-63.1	23.1	67.3	159	0.033	1.0	0.0							
143	149	161	0.016	1.0	0.0	50.6	-63.6	30.9	70.7	143	0.074	1.0	0.0	52.8	-58.6	35.3	68.4	149	0.017	1.0	0.0	0.0	1.0	0.13	50.6	-62.6	21.5	66.3	161	0.017	1.0	0.0							
144	150	162	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	144	0.062	1.0	0.0	52.4	-59.6	34.5	68.9	150	0.0	1.0	0.0	0.0	1.0	0.151	50.7	-62.0	19.9	65.2	162	0.0	1.0	0.0							
145	151	163	0.0	1.0	0.016	50.1	-64.7	28.5	70.7	145	0.051	1.0	0.0	52.0	-60.6	33.6	69.4	151	0.0	1.0	0.017	0.0	1.0	0.167	50.8	-61.6	18.7	64.4	163	0.0	1.0	0.017							
146	152	164	0.0	1.0	0.033	50.1	-64.5	27.4	70.1	146	0.04	1.0	0.0	51.5	-61.6	32.8	69.8	152	0.0	1.0	0.033	0.0	1.0	0.183	50.9	-61.1	17.5	63.6	164	0.0	1.0	0.033							
147	153	164	0.0	1.0	0.05	50.2	-64.2	26.4	69.4	147	0.028	1.0	0.0	51.1	-62.5	31.9	70.3	153	0.0	1.0	0.05	0.0	1.0	0.2	51.0	-60.6	16.3	62.8	164	0.0	1.0	0.05							
148	154	165	0.0	1.0	0.066	50.3	-63.9	25.4	68.8	148	0.017	1.0	0.0	50.7	-63.5	31.0	70.7	154	0.0	1.0	0.067	0.0	1.0	0.216	51.0	-60.0	15.1	62.0	165	0.0	1.0	0.067							
149	155	166	0.0	1.0	0.083	50.3	-63.6	24.4	68.1	149	0.006	1.0	0.0	50.3	-64.4	30.1	71.2	155	0.0	1.0	0.083	0.0	1																

Data of Maximum color M in colorimetric system Offset standard print; separation $\text{cm}^{\circ}\text{D65}$ for input or output; Six hue angles of the 60 degree standard colours RYGCBM; $h_{\text{ad}} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$									
$h_{ab,d}$	$h_{ab,e}$	rgb^*	rgb^*	rgb^*	rgb^*	rgb^*	rgb^*	rgb^*	rgb^*
167	175	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167
168	176	0.0	1.0	0.266	51.3	-58.4	11.3	59.5	168
170	177	0.0	1.0	0.283	51.4	-57.9	10.0	58.8	170
171	168	0.0	1.0	0.3	51.5	-57.3	8.7	58.0	171
172	169	0.0	1.0	0.316	51.6	-56.8	7.4	57.3	172
173	170	0.0	1.0	0.333	51.7	-56.2	6.1	56.5	173
174	181	0.0	1.0	0.35	51.8	-55.5	4.9	55.8	174
176	182	0.0	1.0	0.366	51.9	-54.9	3.7	55.0	176
177	173	0.0	1.0	0.383	52.0	-54.2	2.3	54.3	177
178	184	0.0	1.0	0.4	52.2	-53.6	0.7	53.6	178
179	185	0.0	1.0	0.416	52.3	-52.8	-0.8	52.9	179
180	181	0.0	1.0	0.433	52.4	-52.1	-2.3	52.1	180
184	177	0.0	1.0	0.45	52.6	-51.3	-3.8	51.4	184
185	178	0.0	1.0	0.466	52.7	-50.4	-5.3	50.7	185
187	188	0.0	1.0	0.483	52.8	-49.6	-6.6	50.0	187
189	189	0.0	1.0	0.5	52.9	-48.6	-8.0	49.3	189
191	181	0.0	1.0	0.516	53.1	-47.9	-9.5	48.9	191
193	182	0.0	1.0	0.533	53.2	-47.2	-10.9	48.4	193
194	183	0.0	1.0	0.55	53.4	-46.4	-12.3	48.0	194
196	184	0.0	1.0	0.566	53.5	-45.6	-13.7	47.6	196
198	185	0.0	1.0	0.583	53.6	-44.7	-15.0	47.1	198
200	186	0.0	1.0	0.6	53.8	-43.8	-16.3	46.7	200
202	187	0.0	1.0	0.616	53.9	-42.8	-17.5	46.3	202
204	188	0.0	1.0	0.633	54.1	-42.0	-18.8	46.0	204
206	189	0.0	1.0	0.65	54.2	-41.2	-20.1	45.9	206
207	190	0.0	1.0	0.666	54.3	-40.5	-21.4	45.8	207
209	191	0.0	1.0	0.683	54.5	-39.7	-22.7	45.7	209
211	192	0.0	1.0	0.7	54.6	-38.8	-23.9	45.6	211
213	193	0.0	1.0	0.716	54.7	-37.9	-25.1	45.5	213
215	194	0.0	1.0	0.733	54.9	-37.0	-26.3	45.4	215
217	195	0.0	1.0	0.75	55.0	-36.0	-27.4	45.3	217
218	196	0.0	1.0	0.766	55.1	-35.4	-28.4	45.4	218
220	197	0.0	1.0	0.783	55.2	-34.7	-29.4	45.5	220
221	198	0.0	1.0	0.8	55.3	-34.0	-30.3	45.6	221
222	199	0.0	1.0	0.816	55.4	-33.2	-31.3	45.7	222
223	200	0.0	1.0	0.833	55.6	-32.6	-32.2	45.9	223
226	201	0.0	1.0	0.85	55.7	-31.8	-33.1	46.0	226
227	202	0.0	1.0	0.866	55.8	-31.1	-34.0	46.1	227
229	203	0.0	1.0	0.883	55.9	-30.4	-35.0	46.3	229
230	204	0.0	1.0	0.9	56.0	-29.7	-35.9	46.7	230
231	205	0.0	1.0	0.916	56.1	-29.1	-36.9	47.0	231
233	206	0.0	1.0	0.933	56.3	-28.4	-37.8	47.3	233
234	207	0.0	1.0	0.95	56.4	-27.7	-38.8	47.7	23

	33.3	22.0	43.7	100%	0.0	1.0	1.0
85.4	89.1	104.8	LAB* _{nw} =24.4	0.0	0.0	95.6	0.0

input: $rgb/cmyk \rightarrow rgb_{dd}$
 output: 3D-linearization to $cmy0^*_{dd}$

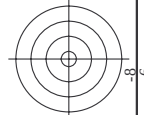
TUB-test chart PE87; 16 step hue circle
48 step hue circles: *rgb-LabCh** tables

input: $rgb/cmyk \rightarrow rgb_{dd}$
 output: 3D-linearization to $cmy0^*_{dd}$

n/f		HfC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmy0*_sep_Fid		rgb*Mid	hsa_Mid	LabCh*Mid	839	448	839	32.3
0/648	R00Y_100_100ad	1.0	0.0	1.0	0.5	1.0	0.0	0.0	0.0	1.0	0.0	45.4	70.9	44.8	83.9	32.3
1/657	R13Y_100_100ad	0.0	0.125	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	48.6	63.3	49.1	80.2	37.7
2/666	R25Y_100_100ad	0.0	0.25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	53.0	53.4	54.8	76.5	45.7
3/675	R38Y_100_100ad	0.0	0.375	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8	41.1	61.7	74.1	56.3
4/684	R50Y_100_100ad	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	28.9	68.6	74.5	67.1
5/693	R63Y_100_100ad	0.0	0.625	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	72.5	14.8	77.6	79.0	79.1
6/702	R75Y_100_100ad	0.0	0.75	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	87.6	4.3	84.7	84.8	87.0
7/711	R88Y_100_100ad	0.0	0.875	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	83.7	-3.8	90.5	90.6	92.4
8/720	Y00C_100_100ad	1.0	1.0	1.0	0.5	1.0	0.0	0.0	0.0	1.0	0.0	87.8	-10.2	95.4	96.0	96.1
9/639	Y13C_100_100ad	0.0	0.125	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	84.5	-13.6	89.7	90.7	98.6
10/658	Y25C_100_100ad	0.0	0.25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	81.2	-17.0	84.3	86.0	101.4
11/477	Y38C_100_100ad	0.0	0.375	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	75.6	-23.6	76.2	79.8	107.2
12/396	Y50C_100_100ad	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	70.6	-29.7	66.5	72.8	114.0
13/315	Y63C_100_100ad	0.0	0.625	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	65.2	-36.4	57.6	68.2	122.3
14/234	Y75C_100_100ad	0.0	0.75	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	57.9	-48.3	45.8	66.5	136.5
15/153	Y88C_100_100ad	0.0	0.875	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	-54.7	38.0	66.6	145.1
16/72	G00C_100_100ad	0.0	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	50.0	-65.0	29.6	71.4	155.5
17/73	G13C_100_100ad	0.0	0.125	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	50.5	-62.9	22.4	66.8	160.4
18/74	G25C_100_100ad	0.0	0.25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	51.1	-59.5	13.9	61.1	166.8
19/75	G38C_100_100ad	0.0	0.375	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	51.9	-54.9	3.7	55.0	176.1
20/76	G50C_100_100ad	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	52.9	-48.6	-8.0	49.3	189.3
21/77	G63C_100_100ad	0.0	0.625	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	54.1	-42.0	-18.8	46.0	204.1
22/78	G75C_100_100ad	0.0	0.75	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	55.1	-35.4	-28.4	43.4	216.7
23/79	G88C_100_100ad	0.0	0.875	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	55.9	-30.4	-35.0	46.3	229.0
24/80	C00B_100_100ad	0.0	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	56.8	-25.5	-41.5	48.7	238.4
25/81	C13B_100_100ad	0.0	0.125	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	54.3	-21.4	-41.4	46.6	242.6
26/62	C25B_100_100ad	0.0	0.25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	50.9	-16.2	-41.2	44.2	248.4
27/63	C38B_100_100ad	0.0	0.375	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	46.8	-9.8	-40.9	42.1	256.4
28/44	C50B_100_100ad	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	41.7	-1.2	-40.6	40.6	268.2
29/35	C63B_100_100ad	0.0	0.625	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	37.0	6.6	-40.2	40.8	279.3
30/26	C75B_100_100ad	0.0	0.75	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	32.2	15.3	-40.3	43.1	290.8
31/17	C88B_100_100ad	0.0	0.875	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	28.4	22.8	-40.3	46.3	299.5
32/8	B00M_100_100ad	0.0	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	25.0	29.5	-40.4	50.0	306.2
33/89	B13M_100_100ad	0.0	0.125	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	35.6	-36.7	51.1	314.1
34/170	B25M_100_100ad	0.0	0.25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7	41.2	-33.1	52.9	321.1
35/251	B38M_100_100ad	0.0	0.375	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5	51.2	-26.5	57.7	332.6
36/332	B50M_100_100ad	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	35.6	58.6	-20.7	62.1	340.5
37/413	B63M_100_100ad	0.0	0.625	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	38.3	65.8	-13.7	67.2	348.2
38/494	B75M_100_100ad	0.0	0.75	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	42.1	71.6	-8.7	72.1	353.0
39/575	B88M_100_100ad	0.0	0.875	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	44.3	75.4	-4.7	75.6	356.3
40/656	M00R_100_100ad	1.0	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8
41/655	M13R_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	45.9	78.3	3.8	78.4	2.8
42/654	M25R_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	45.9	77.3	8.0	77.7	5.9
43/653	M38R_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0	75.7	14.4	77.1	10.8
44/652	M50R_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	45.9	74.2	21.1	77.1	15.9
45/651	M63R_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	45.8	72.9	28.7	78.4	21.5
46/650	M75R_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	45.6	71.1	35.3	80.3	26.1
47/649	M88R_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	45.5	71.4	40.4	82.1	29.5
48/648	R00Y_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
49/0	NW_000ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.3	0.0	0.0	0.0	0.0
50/91	NW_013ad	0.0	0.125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0
51/182	NW_025ad	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.5	0.0	0.0	0.0	0.0
52/273	NW_0375ad	0.0	0.375	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	0.0	0.0	0.0
53/364	NW_050ad	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.5	0.0	0.0	0.0	0.0
54/455	NW_063ad	0.0	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0
55/546	NW_075ad	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.5	0.0	0.0	0.0	0.0
56/637	NW_088ad	0.0	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	0.0
57/728	NW_100ad	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page:

delta

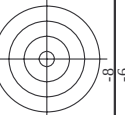


TUB material: code=rha4ta
my0* (CMY0)

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmy0^*_{dd}$

TUUB-test chart PE87; 16 step hue circle
colors and differences, ΔE^*

n/f	HFC ^{*Fid}	rgB ^{*Fid}	tet ^{*Fid}	hs _s ^{*Fid}	rgB ^{*Fid}	LabCh ^{*Fid}	cmyK ^{*sep,Fid}	hs _m ^{*Fid}	rgB ^{*Msd}	LabCh ^{Msd}	delta
0/668	R00Y_100_100ad	1.0	0.0	1.0	1.0	0.0	0.0	390	1.0	0.0	0.0
1/646	R25Y_100_100ad	1.0	0.25	1.0	0.233	0.0	0.765	42	0.0	0.2233	0.0
2/682	R50Y_100_100ad	1.0	0.5	1.0	0.5	0.0	0.498	59	1.0	0.5	0.0
3/704	R75Y_100_100ad	1.0	0.75	1.0	0.766	0.0	0.234	77	1.0	0.766	0.0
4/720	Y00G_100_100ad	1.0	1.0	1.0	1.0	0.0	0.0	89	1.0	1.0	0.0
5/758	Y25G_100_100ad	0.75	1.0	1.0	0.878	-10.2	95.4	102	0.766	1.0	0.0
6/796	Y50G_100_100ad	0.5	1.0	1.0	0.81.2	-17.0	84.3	119	0.5	1.0	0.0
7/734	Y75G_100_100ad	0.25	1.0	1.0	0.706	-29.7	66.5	137	0.233	1.0	0.0
8/72	G00B_100_100ad	0.0	1.0	1.0	0.50	-65.0	71.4	149	0.0	1.0	0.0
9/772	G00B_100_100ad	0.0	1.0	1.0	0.0	-65.0	71.4	149	0.0	1.0	0.0
10/776	G25B_100_100ad	0.0	1.0	1.0	0.5	52.9	0.0	180	0.0	1.0	0.5
11/808	G50B_100_100ad	0.0	1.0	1.0	1.0	56.8	-48.6	210	0.0	1.0	0.0
12/844	G75B_100_100ad	0.0	1.0	1.0	0.5	41.7	-1.2	240	0.0	0.5	1.0
13/8	B00M_100_100ad	0.0	1.0	1.0	0.0	25.0	29.5	270	0.0	0.0	1.0
14/332	B25R_100_100ad	0.5	1.0	1.0	1.0	35.6	58.6	300	0.5	1.0	0.0
15/360	B50R_100_100ad	1.0	1.0	1.0	1.0	46.1	79.3	330	1.0	1.0	0.0
16/652	B75R_100_100ad	1.0	1.0	1.0	0.5	45.9	74.2	360	1.0	0.0	0.5
17/688	R00Y_100_100ad	1.0	0.0	1.0	0.0	45.4	70.9	389	1.0	0.0	0.0
18/688	R00Y_100_050ad	1.0	0.5	1.0	0.5	70.5	35.4	389	1.0	0.0	0.0
19/706	R50Y_100_050ad	1.0	0.75	1.0	0.75	80.2	34.3	389	1.0	0.0	0.0
20/724	Y00G_100_050ad	1.0	1.0	1.0	1.0	91.7	-5.1	59	1.0	1.0	0.5
21/562	Y25G_100_050ad	0.75	1.0	1.0	0.5	83.1	-14.8	89	0.5	1.0	0.0
22/400	G00B_100_050ad	0.5	1.0	1.0	0.5	72.8	-35.5	119	0.5	1.0	0.0
23/464	G50B_100_050ad	0.5	1.0	1.0	0.5	76.2	-12.7	149	0.0	1.0	0.0
24/368	B00R_100_050ad	0.5	1.0	1.0	0.5	60.3	14.7	210	0.0	1.0	0.0
25/682	B50R_100_050ad	1.0	1.0	1.0	0.5	70.8	39.6	270	1.0	1.0	0.0
26/688	R00Y_100_050ad	1.0	0.5	1.0	0.5	70.5	35.4	389	1.0	0.0	0.0
27/606	R00Y_075_050ad	0.75	0.25	0.75	0.25	52.7	35.4	389	1.0	0.0	0.0
28/524	R50Y_075_050ad	0.75	0.5	0.75	0.5	62.4	34.3	59	1.0	0.5	0.0
29/542	Y00G_075_050ad	0.75	0.75	1.0	0.75	72.3	-14.8	89	1.0	0.75	0.0
30/380	Y50G_075_050ad	0.5	0.75	1.0	0.75	65.0	-11.8	119	0.5	1.0	0.0
31/218	G00B_075_050ad	0.25	0.75	1.0	0.25	55.0	-32.5	149	0.0	1.0	0.0
32/222	G50B_075_050ad	0.25	0.75	1.0	0.25	58.4	-12.7	210	0.0	1.0	0.0
33/186	B00R_075_050ad	0.25	0.75	1.0	0.25	42.5	14.7	270	0.0	1.0	0.0
34/510	B50R_075_050ad	0.75	0.25	0.75	0.25	53.0	39.6	330	1.0	0.0	0.0
35/506	R00Y_075_050ad	0.75	0.25	0.75	0.25	52.7	35.4	389	1.0	0.0	0.0
36/324	R00Y_050_050ad	0.5	0.0	0.5	0.0	34.9	0.0	389	1.0	0.0	0.0
37/342	R50Y_050_050ad	0.5	0.25	0.5	0.25	44.6	0.0	59	1.0	0.5	0.0
38/360	Y00G_050_050ad	0.5	0.5	0.5	0.5	56.1	-5.1	89	1.0	1.0	0.0
39/198	Y50G_050_050ad	0.25	0.5	0.5	0.25	47.4	0.0	119	0.5	1.0	0.0
40/36	G00B_050_050ad	0.0	0.5	0.5	0.0	37.2	0.0	149	0.0	1.0	0.0
41/40	G50B_050_050ad	0.0	0.5	0.5	0.5	40.5	0.0	210	0.0	1.0	0.0
42/44	B00R_050_050ad	0.0	0.5	0.5	0.0	24.7	0.0	270	0.0	1.0	0.0
43/328	B50R_050_050ad	0.5	0.0	0.5	0.5	35.2	0.0	330	1.0	0.0	0.0
44/324	R00Y_050_050ad	0.5	0.0	0.5	0.0	34.9	0.0	389	1.0	0.0	0.0
45/0	NW_000ad	0.0	0.0	0.0	0.0	24.3	0.0	360	1.0	1.0	0.0
46/91	NW_013ad	0.125	0.125	0.125	0.125	33.2	0.774	360	1.0	1.0	0.0
47/182	NW_025ad	0.25	0.25	0.25	0.25	42.1	0.587	360	1.0	1.0	0.0
48/273	NW_038ad	0.375	0.375	0.375	0.375	51.0	0.432	360	1.0	1.0	0.0
49/364	NW_050ad	0.5	0.5	0.5	0.5	60.0	0.383	360	1.0	1.0	0.0
50/455	NW_063ad	0.625	0.625	0.625	0.625	68.8	0.26	360	1.0	1.0	0.0
51/546	NW_075ad	0.75	0.75	0.75	0.75	77.9	0.181	360	1.0	1.0	0.0
52/637	NW_088ad	0.875	0.875	0.875	0.875	86.7	0.101	360	1.0	1.0	0.0
53/728	NW_100ad	1.0	1.0	1.0	1.0	95.6	0.0	360	1.0	1.0	0.0

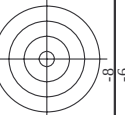


TUB material: code=rha4ta
ny0* (CMY0)

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *cmy0**_{dd}

DE 870-7N Page 20/23-E

[illegible]

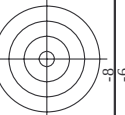


TUB material: code=rha4ta
ny0* (CMY0)

input: *rgb/cmyk* -> *rgb*_{dd}
output: 3D-linearization to *cmy0**_{dd}

PE870-7N, Page 21/33-F

<i>n</i>	HIC [°] Fold	rgb [°] Fold	fcc [°] Fold	hsa [°] Fold	rgb [°] Fold	LabCh [°] Fold	cmys [°] exp.Fold	LabCh [°] Mid	rgb [°] Mid	hsa [°] Mid	delta									
81	ROY02_012_0124d	0.125 0.125 0.125	0.125 0.125 0.125	0.300 0.125 0.062	0.125 0.0 0.0	27.0 9.9	8.8	5.6	10.4	32.3	0.9	0.966	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
82	B50R_012_0124d	0.125 0.125 0.125	0.125 0.125 0.125	0.330 0.125 0.062	0.125 0.0 0.0	27.0 9.9	8.8	5.6	10.4	32.3	0.9	0.966	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
83	B25R_012_0124d	0.125 0.125 0.125	0.125 0.125 0.125	0.330 0.125 0.062	0.125 0.0 0.0	27.0 9.9	8.8	5.6	10.4	32.3	0.9	0.966	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
84	B35R_012_0124d	0.125 0.125 0.125	0.125 0.125 0.125	0.330 0.125 0.062	0.125 0.0 0.0	27.0 9.9	8.8	5.6	10.4	32.3	0.9	0.966	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
85	B11R_050_050d	0.125 0.0 0.5	0.5 0.5 0.5	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
86	B11R_050_050d	0.125 0.0 0.5	0.5 0.5 0.5	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
87	BO7R_075_075d	0.125 0.0 0.625	0.625 0.625 0.125	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
88	BO7R_075_075d	0.125 0.0 0.625	0.625 0.625 0.125	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
89	BO7R_075_075d	0.125 0.0 0.625	0.625 0.625 0.125	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
90	BO7R_075_075d	0.125 0.0 0.625	0.625 0.625 0.125	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
91	BO7R_075_075d	0.125 0.0 0.625	0.625 0.625 0.125	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
92	BO7R_075_075d	0.125 0.0 0.625	0.625 0.625 0.125	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
93	BO7R_075_075d	0.125 0.0 0.625	0.625 0.625 0.125	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
94	BO7R_075_075d	0.125 0.0 0.625	0.625 0.625 0.125	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
95	BO7R_075_075d	0.125 0.0 0.625	0.625 0.625 0.125	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
96	BO7R_075_075d	0.125 0.0 0.625	0.625 0.625 0.125	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
97	BO7R_075_075d	0.125 0.0 0.625	0.625 0.625 0.125	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
98	BO7R_075_075d	0.125 0.0 0.625	0.625 0.625 0.125	0.281 0.116 0.0	0.116 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
99	Y30G_025_025d	0.125 0.0 0.25	0.25 0.25 0.125	0.125 0.125 0.062	0.125 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
100	Y30G_025_025d	0.125 0.0 0.25	0.25 0.25 0.125	0.125 0.125 0.062	0.125 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
101	Y30G_025_025d	0.125 0.0 0.25	0.25 0.25 0.125	0.125 0.125 0.062	0.125 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
102	Y30G_025_025d	0.125 0.0 0.25	0.25 0.25 0.125	0.125 0.125 0.062	0.125 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
103	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
104	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
105	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
106	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
107	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
108	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
109	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
110	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
111	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
112	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
113	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
114	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
115	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
116	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
117	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
118	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
119	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
120	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
121	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
122	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
123	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
124	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
125	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
126	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
127	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
128	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
129	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312	0.251 0.124 0.343	0.124 0.0 0.0	26.5 20.6	17.7	-11.0	20.9	32.8	0.889	0.986	0.592	0.0	0.0	30.9	47.3	-29.4	55.7	32.8
130	G40R_050_037d	0.125 0.0 0.5	0.5 0.375 0.312</																	



TUB material: code=rha4ta
ny0* (CMY0)

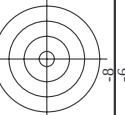
input: *rgb/cmyk* → *rgbd*
output: 3D-linearization to *cmv0**^{dd}

TUB-test chart PE87; 16 step hue circle colors and differences. ΔE^*

PE.870-7N. Page 23/33-F

[illegible]

n	HC* _{Fid}	rgb* _{Fid}	lcr* _{Fid}	hsa* _{Fid}	rgb* _{Fid}	LabCh* _{Fid}	cmyk* _{sep,Fid}	delta	delta															
3224	R050_050_050ad	0.5	0.0	0.5	0.5	390	0.5	0.0	0.0	32.3	0.567	0.93	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3				
3225	R265_050_050ad	0.5	0.0	0.125	0.5	0.0	0.0	0.116	17.6	40.1	26.1	0.567	0.932	0.883	0.0	0.0	0.233	45.6	72.1	35.3	80.3	26.1		
3226	R00Y_050_050ad	0.5	0.0	0.25	0.5	0.0	0.25	35.1	37.1	10.5	38.8	15.9	0.577	0.928	0.796	0.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9	
3227	B61R_050_050ad	0.5	0.0	0.375	0.5	0.0	0.383	35.1	38.6	4.0	38.5	5.9	0.577	0.93	0.596	0.0	0.0	0.0	45.9	77.3	7.7	77.1	5.9	
3228	B040R_062_062ad	0.5	0.0	0.5	0.5	0.0	0.5	35.2	39.6	359.8	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3229	B40R_062_062ad	0.5	0.0	0.625	0.5	0.0	0.625	36.0	45.8	-4.4	46.0	354.4	0.583	0.949	0.407	0.0	0.0	0.816	0.0	1.0	43.1	73.2	-0.2	
3230	B34R_075_075ad	0.5	0.0	0.75	0.5	0.0	0.75	35.9	51.8	350.0	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3231	B34R_075_075ad	0.5	0.0	0.875	0.5	0.0	0.875	35.9	51.8	350.0	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3232	R230_100_100ad	0.5	0.0	1.0	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340.5	0.5	1.0	0.0	0.0	0.583	0.0	1.0	39.8	68.2	-16.4	65.3	345.4
3233	R230_100_100ad	0.5	0.125	0.0	0.5	0.0	0.116	17.6	40.1	26.1	38.2	45.7	0.563	0.819	0.0	0.0	0.233	0.0	0.0	35.0	53.4	-20.7	62.1	340.5
3234	R00Y_050_037ad	0.5	0.125	0.125	0.5	0.0	0.125	12.5	30.6	51.6	38.4	32.3	0.564	0.784	0.745	0.0	0.0	0.0	35.0	53.4	54.8	76.5	45.7	
3235	R00Y_050_037ad	0.5	0.125	0.25	0.5	0.0	0.25	35.1	37.1	10.5	38.8	15.9	0.564	0.784	0.745	0.0	0.0	0.0	35.0	53.4	54.8	76.5	45.7	
3236	R00Y_050_037ad	0.5	0.125	0.375	0.5	0.0	0.375	35.1	38.6	4.0	38.5	5.9	0.564	0.784	0.745	0.0	0.0	0.0	35.0	53.4	54.8	76.5	45.7	
3237	R00Y_050_037ad	0.5	0.125	0.5	0.5	0.0	0.5	35.2	39.6	359.8	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3238	B380R_062_050ad	0.5	0.125	0.625	0.5	0.0	0.625	35.2	39.6	35.4	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3239	B380R_062_050ad	0.5	0.125	0.75	0.5	0.0	0.75	35.9	51.8	350.0	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3240	B380R_062_050ad	0.5	0.125	0.875	0.5	0.0	0.875	35.9	51.8	350.0	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3241	R050_050_037ad	0.5	0.25	0.125	0.5	0.0	0.25	35.1	37.1	10.5	38.8	15.9	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8	
3242	R050_050_037ad	0.5	0.25	0.25	0.5	0.0	0.25	35.1	37.1	10.5	38.8	15.9	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8	
3243	R050_050_037ad	0.5	0.25	0.375	0.5	0.0	0.375	35.1	38.6	4.0	38.5	5.9	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8	
3244	R050_050_037ad	0.5	0.25	0.5	0.5	0.0	0.5	35.2	39.6	359.8	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3245	R050_050_025ad	0.5	0.25	0.375	0.5	0.0	0.375	36.0	45.8	-4.4	46.0	354.4	0.583	0.949	0.407	0.0	0.0	0.816	0.0	1.0	43.1	73.2	-0.2	
3246	R050_050_025ad	0.5	0.25	0.5	0.5	0.0	0.5	35.2	39.6	359.8	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3247	B34R_062_037ad	0.5	0.25	0.625	0.5	0.0	0.625	35.2	39.6	35.4	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3248	B34R_062_037ad	0.5	0.25	0.75	0.5	0.0	0.75	35.9	51.8	350.0	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3249	B34R_062_037ad	0.5	0.25	0.875	0.5	0.0	0.875	35.9	51.8	350.0	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3250	B19R_087_050ad	0.5	0.25	0.875	0.5	0.0	0.875	35.9	51.8	350.0	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3251	B19R_087_050ad	0.5	0.25	1.0	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340.5	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8	
3252	B15R_100_075ad	0.5	0.25	1.0	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340.5	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8	
3253	R67Y_050_037ad	0.5	0.375	0.125	0.5	0.0	0.383	35.1	38.6	4.0	38.5	5.9	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8	
3254	R67Y_050_037ad	0.5	0.375	0.25	0.5	0.0	0.383	35.1	38.6	4.0	38.5	5.9	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8	
3255	R00Y_050_025ad	0.5	0.375	0.375	0.5	0.0	0.375	36.0	45.8	-4.4	46.0	354.4	0.583	0.949	0.407	0.0	0.0	0.816	0.0	1.0	43.1	73.2	-0.2	
3256	R00Y_050_025ad	0.5	0.375	0.5	0.5	0.0	0.5	35.2	39.6	359.8	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3257	B380R_062_012ad	0.5	0.375	0.625	0.5	0.0	0.625	35.2	39.6	35.4	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3258	B380R_062_012ad	0.5	0.375	0.75	0.5	0.0	0.75	35.9	51.8	350.0	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3259	B380R_062_012ad	0.5	0.375	0.875	0.5	0.0	0.875	35.9	51.8	350.0	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3260	Y000_050_037ad	0.5	0.5	0.25	0.5	0.0	0.5	35.2	39.6	359.8	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3261	Y000_050_037ad	0.5	0.5	0.375	0.5	0.0	0.375	36.0	45.8	-4.4	46.0	354.4	0.583	0.949	0.407	0.0	0.0	0.816	0.0	1.0	43.1	73.2	-0.2	
3262	Y000_050_037ad	0.5	0.5	0.5	0.5	0.0	0.5	35.2	39.6	359.8	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3263	Y000_050_025ad	0.5	0.5	0.25	0.5	0.0	0.25	35.1	37.1	10.5	38.8	15.9	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8	
3264	Y000_050_025ad	0.5	0.5	0.375	0.5	0.0	0.375	36.0	45.8	-4.4	46.0	354.4	0.583	0.949	0.407	0.0	0.0	0.816	0.0	1.0	43.1	73.2	-0.2	
3265	NW_050ad	0.5	0.5	0.625	0.5	0.0	0.625	35.2	39.6	35.4	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3266	B00R_062_012ad	0.5	0.5	0.625	0.5	0.0	0.625	35.2	39.6	35.4	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3267	B00R_062_012ad	0.5	0.5	0.75	0.5	0.0	0.75	35.9	51.8	350.0	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8			
3268	B00R_062_012ad	0.5	0.5	1.0	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340.5	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8	
3269	Y180C_062_062ad	0.5	0.625	0.125	0.5	0.0	0.125	12.5	30.6	51.6	38.4	32.3	0.583	0.931	0.522	0.0	0.0	0.0	46.1	79.3	-0.2	79.3	359.8	
3270	Y230C_062_037ad	0.5	0.625	0.25	0.5	0.0	0.25	30.6	51.6	40.1	38.4	32.3	0.58											



TUB material: code=rha4ta
ny0* (CMY0)

input: $rgb/cmyk \rightarrow rgb_{dd}$
 output: 3D-linearization to $cmy0^*_{dd}$

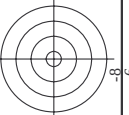
<i>n</i>	HIC [°] Fold	rgb [°] Fold	lcr [°] Fold	hsa [°] Fold	rgb [°] Fold	LabCh [°] Fold	cmys [°] sep [°] Fold	hsa [°] Mid	rgb [°] Mid	LabCh [°] Mid	delta			
567	R00Y.087.087Mid	0.875	0.0	0.875	0.875	0.437	390	390	1.0	0.0	83.9	32.3		
568	R36Y.087.087Mid	0.875	0.0	0.875	0.875	0.437	382	382	1.0	0.0	45.4	70.9		
569	R20Y.087.087Mid	0.875	0.0	0.875	0.875	0.437	374	374	1.0	0.0	1.133	45.5		
570	R33Y.087.087Mid	0.875	0.0	0.875	0.875	0.437	365	365	1.0	0.0	0.266	45.6		
571	B70R.087.087Mid	0.875	0.0	0.875	0.875	0.437	355	354	1.0	0.0	0.416	73.3		
572	B63R.087.087Mid	0.875	0.0	0.875	0.875	0.437	346	344	1.0	0.0	0.583	45.9		
573	B56R.087.087Mid	0.875	0.0	0.875	0.875	0.437	338	337	1.0	0.0	0.733	45.9		
574	B50R.087.087Mid	0.875	0.0	0.875	0.875	0.437	330	330	1.0	0.0	0.866	45.9		
575	B44R.100.100Mid	0.875	0.0	1.0	1.0	0.5	323	323	1.0	0.0	0.866	45.9		
576	R13Y.087.087Mid	0.875	0.125	0.0	0.875	0.875	0.437	316	316	0.0	0.0	46.1	79.3	
577	R00Y.087.075Mid	0.875	0.125	0.125	0.875	0.116	317	317	1.0	0.133	44.3	75.4		
578	R35Y.087.075Mid	0.875	0.125	0.125	0.875	0.125	313	389	1.0	0.0	45.4	70.9		
579	R18Y.087.075Mid	0.875	0.125	0.375	0.875	0.125	311	382	1.0	0.0	0.15	71.6		
580	R00Y.087.075Mid	0.875	0.125	0.375	0.875	0.125	305	371	1.0	0.0	0.316	45.7		
581	B65R.087.075Mid	0.875	0.125	0.581	0.875	0.125	305	360	1.0	0.0	0.5	74.2		
582	B57R.087.075Mid	0.875	0.125	0.625	0.875	0.125	305	348	1.0	0.0	0.683	45.9		
583	B50R.087.075Mid	0.875	0.125	0.75	0.875	0.125	305	337	1.0	0.0	0.85	45.9		
584	B43R.100.087Mid	0.875	0.125	1.0	0.875	0.125	302	330	1.0	0.0	46.1	79.3		
585	R26Y.087.087Mid	0.875	0.25	0.0	0.875	0.562	322	322	0.866	0.0	1.0	44.0	74.9	
586	R15Y.087.075Mid	0.875	0.25	0.0	0.875	0.875	0.437	316	316	0.0	0.0	54.4	50.4	
587	R31Y.087.062Mid	0.875	0.25	0.125	0.875	0.237	317	317	1.0	0.15	0.0	49.8	60.7	
588	R11Y.087.062Mid	0.875	0.25	0.375	0.875	0.25	309	389	1.0	0.0	0.45	70.9		
589	B69R.087.062Mid	0.875	0.25	0.625	0.875	0.25	307	380	1.0	0.0	0.183	45.4		
590	B68R.087.062Mid	0.875	0.25	0.625	0.875	0.25	307	380	1.0	0.0	0.183	45.4		
591	B68R.087.062Mid	0.875	0.25	0.625	0.875	0.25	307	380	1.0	0.0	0.183	45.4		
592	B42R.100.075Mid	0.875	0.25	1.0	0.875	0.25	311	369	1.0	0.0	0.816	46.0		
593	R26Y.087.087Mid	0.875	0.25	1.0	0.875	0.25	311	369	1.0	0.0	0.816	46.0		
594	R11Y.087.087Mid	0.875	0.375	0.0	0.875	0.364	311	322	0.85	0.0	1.0	43.7	74.3	
595	R43Y.087.087Mid	0.875	0.375	0.125	0.875	0.364	311	322	0.85	0.0	1.0	43.7	74.3	
596	R18Y.087.062Mid	0.875	0.375	0.125	0.875	0.364	311	322	0.85	0.0	1.0	43.7	74.3	
597	R00Y.087.050Mid	0.875	0.375	0.125	0.875	0.364	311	322	0.85	0.0	1.0	43.7	74.3	
598	R26Y.087.050Mid	0.875	0.375	0.125	0.875	0.364	311	322	0.85	0.0	1.0	43.7	74.3	
599	R00Y.087.050Mid	0.875	0.375	0.125	0.875	0.364	311	322	0.85	0.0	1.0	43.7	74.3	
600	B61R.087.050Mid	0.875	0.375	0.125	0.875	0.364	311	322	0.85	0.0	1.0	43.7	74.3	
601	B61R.087.050Mid	0.875	0.375	0.125	0.875	0.364	311	322	0.85	0.0	1.0	43.7	74.3	
602	B40R.100.062Mid	0.875	0.375	1.0	1.0	0.625	367	340	0.816	0.0	1.0	43.1	73.2	
603	B40R.100.062Mid	0.875	0.375	1.0	1.0	0.625	367	340	0.816	0.0	1.0	43.1	73.2	
604	R53Y.087.087Mid	0.875	0.5	0.0	0.875	0.875	0.437	316	316	0.0	0.0	54.4	50.4	
605	R38Y.087.075Mid	0.875	0.5	0.125	0.875	0.625	53	52	1.0	0.583	0.0	69.7	20.2	
606	R38Y.087.062Mid	0.875	0.5	0.375	0.875	0.625	53	52	1.0	0.583	0.0	69.7	20.2	
607	R20Y.087.050Mid	0.875	0.5	0.875	0.875	0.437	390	389	1.0	0.0	45.4	70.9		
608	R18Y.087.037Mid	0.875	0.5	0.625	0.875	0.625	349	348	1.0	0.0	0.316	45.7		
609	B65R.087.037Mid	0.875	0.5	0.625	0.875	0.625	349	348	1.0	0.0	0.316	45.7		
610	B50R.087.037Mid	0.875	0.5	0.875	0.875	0.625	330	330	1.0	0.0	0.683	45.9		
611	B38R.100.050Mid	0.875	0.5	1.0	1.0	0.5	316	317	1.0	0.0	46.1	79.3		
612	R73Y.087.087Mid	0.875	0.625	0.0	0.875	0.875	0.437	74	71	1.0	0.733	0.0	42.1	
613	R67Y.087.075Mid	0.875	0.625	0.125	0.875	0.625	67	75	1.0	0.683	0.0	74.8	11.1	
614	R61Y.087.062Mid	0.875	0.625	0.25	0.875	0.625	67	67	1.0	0.616	0.0	71.6	16.4	
615	R50Y.087.050Mid	0.875	0.625	0.375	0.875	0.625	615	59	1.0	0.5	0.0	64.9	28.9	
616	R31Y.087.037Mid	0.875	0.625	0.5	0.875	0.625	49	48	1.0	0.316	0.0	56.6	45.8	
617	R00Y.087.025Mid	0.875	0.625	0.625	0.875	0.625	390	389	1.0	0.0	45.4	70.9		
618	R00Y.087.025Mid	0.875	0.625	0.75	0.875	0.625	390	360	1.0	0.0	0.5	45.9	74.2	
619	B50R.087.025Mid	0.875	0.625	0.875	0.875	0.625	390	330	1.0	0.0	46.1	79.3		
620	B34R.100.037Mid	0.875	0.625	1.0	1.0	0.375	311	311	1.0	0.0	0.866	0.0	39.8	68.1
621	R66Y.087.087Mid	0.875	0.75	0.0	0.875	0.875	0.437	82	81	1.0	0.866	0.0	83.1	-2.8
622	R65Y.087.075Mid	0.875	0.75	0.125	0.875	0.75	81	80	1.0	0.816	0.0	82.3	-1.5	
623	R61Y.087.062Mid	0.875	0.75	0.25	0.875	0.75	76	80	1.0	0.816	0.0	80.8	0.8	
624	R76Y.087.050Mid	0.875	0.75	0.375	0.875	0.75	623	77	1.0	0.666	0.0	74.8	4.3	
625	R68Y.087.037Mid	0.875	0.75	0.5	0.875	0.75	623	71	1.0	0.683	0.0	80.4	91.1	
626	R68Y.087.037Mid	0.875	0.75	0.625	0.875	0.75	623	71	1.0	0.683	0.0	80.4	91.1	
627	R68Y.087.037Mid	0.875	0.75	0.625	0.875	0.75	623	71	1.0	0.683	0.0	80.4	91.1	
628	R68Y.087.037Mid	0.875	0.75	0.625	0.875	0.75	623	71	1.0	0.683	0.0	80.4	91.1	
629	B50R.087.012Mid	0.875	0.75	0.75	0.875	0.75	629	330	1.0	0.0	46.1	79.3		
630	B25R.100.025Mid	0.875	0.75	1.0	1.0	0.25	875	300	0.5	1.0	35.6	-50.7		
631	Y00G.087.087Mid	0.875	0.75	1.0	0.875	0.875	0.437	300	89	1.0	0.878	-10.2		
632	Y13G.100.100Mid	0.875	1.0	1.0	1.0	0.5	97	96	1.0	0.0	25.0	29.5		
633	Y00G.087.075Mid	0.875	0.75	1.0	0.875	0.875	0.437	300	89	1.0	0.878	-10.2		
634	Y00G.087.062Mid	0.875	0.75	1.0	0.875	0.875	0.437	300	89	1.0	0.878	-10.2		
635	Y00G.087.050Mid	0.875	0.75	1.0	0.875	0.875	0.437	300	89	1.0	0.878	-10.2		
636	Y00G.087.037Mid	0.875	0.75	1.0	0.875	0.875	0.437	300	89	1.0	0.878	-10.2		
637	Y00G.087.025Mid	0.875	0.75	1.0	0.875	0.875	0.437	300	89	1.0	0.878	-10.2		
638	Y00G.087.012Mid	0.875	0.75	1.0	0.875	0.875	0.437	300	89	1.0	0.878	-10.2		
639	Y00G.087.012Mid	0.875	0.75	1.0	0.875	0.875	0.437	300	89	1.0	0.878	-10.2		
640	Y13G.100.100Mid	0.875	1.0	1.0	1.0	0.5	97	96	1.0	0.0	25.0	29.5		
641	Y13G.100.100Mid	0.875	1.0	1.0	1.0	0.5	97	96	1.0	0.0	25.0	29.5		
642	Y18G.100.062Mid	0.875	1.0	1.0	0.875	0.875	0.437	300	89	1.0	0.878	-10.2		
643	Y31G.100.050Mid	0.875	1.0	1.0	0.875	0.875	0.437	300	89	1.0	0.878	-10.2		
644	Y31G.100.037Mid	0.875	1.0	1.0	0.875	0.875	0.437	300	89	1.0	0.878	-10.2		
645	Y50G.100.025Mid	0.875	1.0	1.0	0.875	0.875	0.437	300	89	1.0	0.878	-10.2		
646	G00R.100.012Mid	0.875	1.0	0.75	1.0	0.25	875	150	0.5	1.0	50.0	-65.0		
647	G50R.100.012Mid	0.875	1.0	1.0	1.0	0.125	937	210	0.0	1.0	56.8	-41.5		



TUB material: code=rha4ta
my0* (CMY0)

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *cmy0*_{dd}*

[illegible]



TUB material: code=rha4ta
ny0* (CMY0)

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *cmy0^{*}_{dd}*

PE870-7N, Page 30/33-F

n	HIC*Fdd	rgb_Fdd	lcr_Fdd	hsa_Fdd	rgb*Fdd	LabCh*Fdd	cmv*SepFdd		hsa_Mdd	rgb_Mdd	LabCh*Mdd	delta
							cmv*SepFdd	hsa_Mdd				
810	NW_100qdd	1.0	1.0	1.0	0.875	0.875	0.0	0.0	360	1.0	1.0	0.0
811	B00R_100_012qdd	0.875	0.875	1.0	0.875	0.875	1.0	0.0	360	1.0	1.0	0.0
812	B00R_100_025qdd	0.875	0.875	1.0	0.875	0.875	1.0	0.0	360	1.0	1.0	0.0
813	B00R_100_037qdd	0.875	0.875	1.0	0.875	0.875	1.0	0.0	360	1.0	1.0	0.0
814	B00R_100_050qdd	0.875	0.875	1.0	0.875	0.875	1.0	0.0	360	1.0	1.0	0.0
815	B00R_100_062qdd	0.875	0.875	1.0	0.875	0.875	1.0	0.0	360	1.0	1.0	0.0
816	B00R_100_075qdd	0.875	0.875	1.0	0.875	0.875	1.0	0.0	360	1.0	1.0	0.0
817	B00R_100_087qdd	0.875	0.875	1.0	0.875	0.875	1.0	0.0	360	1.0	1.0	0.0
818	B00R_100_100qdd	0.875	0.875	1.0	0.875	0.875	1.0	0.0	360	1.0	1.0	0.0
819	NW_100qdd	1.0	1.0	1.0	0.875	0.875	1.0	0.0	360	1.0	1.0	0.0
820	NW_067qdd	0.875	0.875	0.0	0.875	0.875	0.0	0.0	360	1.0	1.0	0.0
821	B00R_087_012qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
822	B00R_087_025qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
823	B00R_087_037qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
824	B00R_087_050qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
825	B00R_087_062qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
826	B00R_087_075qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
827	B00R_087_087qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
828	B00R_087_100qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
829	NW_075qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
830	NW_075qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
831	B00R_075_012qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
832	B00R_075_025qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
833	B00R_075_037qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
834	B00R_075_050qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
835	B00R_075_062qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
836	B00R_075_075qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
837	B00R_075_087qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
838	B00R_075_100qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
839	NW_075qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	0.0
840	NW_062qdd	0.875	0.875	0.125	0.875	0.875	0.125	0.0	360	1.0	1.0	

n	H1C*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmy0*sep_Fid	delta	mean color difference of this page:
891	NW_1000ad	1.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0
892	NW_1000ad	0.875	1.0	0.875	1.0	95.6	0.0	0.0	0.0
893	B50R_100.012ad	1.0	0.125	0.937	330	1.0	0.0	0.0	0.0
894	B50R_100.025ad	1.0	0.25	0.875	330	1.0	0.0	0.0	0.0
895	B50R_100.037ad	1.0	0.375	0.812	330	1.0	0.0	0.0	0.0
896	B50R_100.050ad	1.0	0.5	0.75	330	1.0	0.0	0.0	0.0
897	B50R_100.062ad	1.0	0.625	0.687	330	1.0	0.0	0.0	0.0
898	B50R_100.075ad	1.0	0.75	0.625	330	1.0	0.0	0.0	0.0
899	B50R_100.087ad	1.0	0.875	0.562	330	1.0	0.0	0.0	0.0
900	B50R_100.100ad	1.0	1.0	0.5	330	1.0	0.0	0.0	0.0
901	NW_087ad	0.875	1.0	0.125	0.937	150	0.0	0.0	0.0
902	B50R_087.012ad	0.875	0.875	0.875	360	1.0	0.0	0.0	0.0
903	B50R_087.025ad	0.875	0.875	0.875	360	1.0	0.0	0.0	0.0
904	B50R_087.037ad	0.875	0.875	0.875	360	1.0	0.0	0.0	0.0
905	B50R_087.050ad	0.875	0.875	0.875	360	1.0	0.0	0.0	0.0
906	B50R_087.062ad	0.875	0.875	0.875	360	1.0	0.0	0.0	0.0
907	B50R_087.075ad	0.875	0.875	0.875	360	1.0	0.0	0.0	0.0
908	B50R_087.100ad	0.875	0.875	0.875	360	1.0	0.0	0.0	0.0
909	G0B_100.012ad	0.75	1.0	0.25	0.875	150	0.0	0.0	0.0
910	G0B_100.025ad	0.75	1.0	0.25	0.875	150	0.0	0.0	0.0
911	NW_075ad	0.75	0.875	0.75	360	1.0	0.0	0.0	0.0
912	B50R_075.012ad	0.75	0.875	0.75	360	1.0	0.0	0.0	0.0
913	B50R_075.025ad	0.75	0.875	0.75	360	1.0	0.0	0.0	0.0
914	B50R_075.037ad	0.75	0.875	0.75	360	1.0	0.0	0.0	0.0
915	B50R_075.050ad	0.75	0.875	0.75	360	1.0	0.0	0.0	0.0
916	B50R_075.062ad	0.75	0.875	0.75	360	1.0	0.0	0.0	0.0
917	B50R_075.075ad	0.75	0.875	0.75	360	1.0	0.0	0.0	0.0
918	G0B_100.037ad	0.625	1.0	0.375	0.812	150	0.0	0.0	0.0
919	G0B_100.050ad	0.625	1.0	0.375	0.812	150	0.0	0.0	0.0
920	G0B_075.012ad	0.625	0.875	0.625	360	1.0	0.0	0.0	0.0
921	G0B_075.025ad	0.625	0.875	0.625	360	1.0	0.0	0.0	0.0
922	B50R_062.012ad	0.625	0.625	0.625	360	1.0	0.0	0.0	0.0
923	B50R_062.025ad	0.625	0.625	0.625	360	1.0	0.0	0.0	0.0
924	B50R_062.037ad	0.625	0.625	0.625	360	1.0	0.0	0.0	0.0
925	B50R_062.050ad	0.625	0.625	0.625	360	1.0	0.0	0.0	0.0
926	B50R_062.062ad	0.625	0.625	0.625	360	1.0	0.0	0.0	0.0
927	G0B_100.050ad	0.5	1.0	0.5	360	1.0	0.0	0.0	0.0
928	G0B_087.037ad	0.5	0.875	0.375	0.687	150	0.0	0.0	0.0
929	G0B_075.025ad	0.5	0.75	0.25	0.625	150	0.0	0.0	0.0
930	G0B_062.012ad	0.5	0.625	0.125	0.562	150	0.0	0.0	0.0
931	NW_050ad	0.5	0.5	0.5	360	1.0	0.0	0.0	0.0
932	B50R_050.012ad	0.5	0.375	0.125	0.437	330	0.0	0.0	0.0
933	B50R_050.025ad	0.5	0.25	0.375	330	0.0	0.0	0.0	0.0
934	B50R_050.037ad	0.5	0.125	0.375	330	0.0	0.0	0.0	0.0
935	B50R_050.050ad	0.5	0.0	0.375	330	0.0	0.0	0.0	0.0
936	G0B_100.062ad	0.375	1.0	0.625	0.687	150	0.0	0.0	0.0
937	G0B_087.050ad	0.375	0.875	0.375	0.625	150	0.0	0.0	0.0
938	G0B_075.037ad	0.375	0.75	0.375	0.562	150	0.0	0.0	0.0
939	G0B_062.025ad	0.375	0.625	0.375	0.5	150	0.0	0.0	0.0
940	NW_037ad	0.375	0.5	0.125	0.437	150	0.0	0.0	0.0
941	B50R_037.012ad	0.375	0.375	0.375	360	1.0	0.0	0.0	0.0
942	B50R_037.025ad	0.375	0.375	0.375	360	1.0	0.0	0.0	0.0
943	B50R_037.037ad	0.375	0.375	0.375	360	1.0	0.0	0.0	0.0
944	B50R_037.050ad	0.375	0.375	0.375	360	1.0	0.0	0.0	0.0
945	G0B_100.075ad	0.25	1.0	0.75	0.625	150	0.0	0.0	0.0
946	G0B_087.062ad	0.25	0.875	0.25	0.562	150	0.0	0.0	0.0
947	G0B_075.050ad	0.25	0.75	0.25	0.5	150	0.0	0.0	0.0
948	G0B_062.037ad	0.25	0.625	0.25	0.437	150	0.0	0.0	0.0
949	G0B_050.025ad	0.25	0.5	0.25	0.375	150	0.0	0.0	0.0
950	G0B_037.012ad	0.25	0.375	0.125	0.312	150	0.0	0.0	0.0
951	NW_025ad	0.25	0.25	0.25	360	1.0	0.0	0.0	0.0
952	B50R_025.012ad	0.25	0.125	0.125	0.187	330	0.0	0.0	0.0
953	B50R_025.025ad	0.25	0.125	0.125	0.187	330	0.0	0.0	0.0
954	G0B_100.087ad	0.125	1.0	0.875	0.562	150	0.0	0.0	0.0
955	G0B_087.075ad	0.125	0.875	0.125	0.5	150	0.0	0.0	0.0
956	G0B_075.062ad	0.125	0.75	0.625	0.437	150	0.0	0.0	0.0
957	G0B_062.050ad	0.125	0.625	0.125	0.375	150	0.0	0.0	0.0
958	G0B_050.037ad	0.125	0.5	0.125	0.312	150	0.0	0.0	0.0
959	G0B_037.025ad	0.125	0.375	0.125	0.25	150	0.0	0.0	0.0
960	G0B_025.012ad	0.125	0.25	0.125	0.187	150	0.0	0.0	0.0
961	NW_012ad	0.125	0.125	0.125	0.125	360	0.0	0.0	0.0
962	B50R_012.012ad	0.125	0.125	0.125	0.125	360	0.0	0.0	0.0
963	G0B_100.100ad	0.0	1.0	0.0	0.5	150	0.0	0.0	0.0
964	G0B_087.087ad	0.0	0.875	0.0	0.875	360	0.0	0.0	0.0
965	G0B_075.075ad	0.0	0.75	0.0	0.75	360	0.0	0.0	0.0
966	G0B_062.062ad	0.0	0.625	0.0	0.625	360	0.0	0.0	0.0
967	G0B_050.050ad	0.0	0.5	0.0	0.5	360	0.0	0.0	0.0
968	G0B_037.037ad	0.0	0.375	0.0	0.375	360	0.0	0.0	0.0
969	G0B_025.025ad	0.0	0.25	0.0	0.25	360	0.0	0.0	0.0
970	G0B_012.012ad	0.0	0.125	0.0	0.125	360	0.0	0.0	0.0
971	NW_000ad	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0

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

TUB-test chart PE87; 16 step hue circle
colors and differences, ΔE^*

n		H1C* _{Fid}	rgb* _{Fid}	tc* _{Fid}	hsa* _{Fid}	rgb* _{Fid}	LabCH* _{Fid}	cmyn* _{sep,Fid}		hsa* _{id}	rgb* _{id}	LabCH* _{id}	delta	
972	NW 000ad	0.0	0.0	0.0	0.0	0.0	24.3	0.0	0.0	360	1.0	1.0	0.0	0.0
973	NW 012ad	0.125	0.125	0.125	0.125	0.125	33.2	0.0	0.0	360	1.0	1.0	0.0	0.0
974	NW 025ad	0.25	0.25	0.25	0.25	0.25	42.1	0.0	0.0	360	1.0	1.0	0.0	0.0
975	NW 037ad	0.375	0.375	0.375	0.375	0.375	51.0	0.0	0.0	360	1.0	1.0	0.0	0.0
976	NW 050ad	0.5	0.5	0.5	0.5	0.5	60.0	0.0	0.0	360	1.0	1.0	0.0	0.0
977	NW 062ad	0.625	0.625	0.625	0.625	0.625	68.9	0.0	0.0	360	1.0	1.0	0.0	0.0
978	NW 075ad	0.75	0.75	0.75	0.75	0.75	77.8	0.0	0.0	360	1.0	1.0	0.0	0.0
979	NW 087ad	0.875	0.875	0.875	0.875	0.875	86.7	0.0	0.0	360	1.0	1.0	0.0	0.0
980	NW 100ad	1.0	1.0	1.0	1.0	1.0	95.6	0.0	0.0	360	1.0	1.0	0.0	0.0
981	NW 000ad	0.0	0.0	0.0	0.0	0.0	24.3	0.0	0.0	360	1.0	1.0	0.0	0.0
982	NW 012ad	0.125	0.125	0.125	0.125	0.125	33.2	0.0	0.0	360	1.0	1.0	0.0	0.0
983	NW 025ad	0.25	0.25	0.25	0.25	0.25	42.1	0.0	0.0	360	1.0	1.0	0.0	0.0
984	NW 037ad	0.375	0.375	0.375	0.375	0.375	51.0	0.0	0.0	360	1.0	1.0	0.0	0.0
985	NW 050ad	0.5	0.5	0.5	0.5	0.5	60.0	0.0	0.0	360	1.0	1.0	0.0	0.0
986	NW 062ad	0.625	0.625	0.625	0.625	0.625	68.9	0.0	0.0	360	1.0	1.0	0.0	0.0
987	NW 075ad	0.75	0.75	0.75	0.75	0.75	77.8	0.0	0.0	360	1.0	1.0	0.0	0.0
988	NW 087ad	0.875	0.875	0.875	0.875	0.875	86.7	0.0	0.0	360	1.0	1.0	0.0	0.0
989	NW 100ad	1.0	1.0	1.0	1.0	1.0	95.6	0.0	0.0	360	1.0	1.0	0.0	0.0
990	NW 000ad	0.0	0.0	0.0	0.0	0.0	24.3	0.0	0.0	360	1.0	1.0	0.0	0.0
991	NW 012ad	0.125	0.125	0.125	0.125	0.125	33.2	0.0	0.0	360	1.0	1.0	0.0	0.0
992	NW 025ad	0.25	0.25	0.25	0.25	0.25	42.1	0.0	0.0	360	1.0	1.0	0.0	0.0
993	NW 037ad	0.375	0.375	0.375	0.375	0.375	51.0	0.0	0.0	360	1.0	1.0	0.0	0.0
994	NW 050ad	0.5	0.5	0.5	0.5	0.5	60.0	0.0	0.0	360	1.0	1.0	0.0	0.0
995	NW 062ad	0.625	0.625	0.625	0.625	0.625	68.9	0.0	0.0	360	1.0	1.0	0.0	0.0
996	NW 075ad	0.75	0.75	0.75	0.75	0.75	77.8	0.0	0.0	360	1.0	1.0	0.0	0.0
997	NW 087ad	0.875	0.875	0.875	0.875	0.875	86.7	0.0	0.0	360	1.0	1.0	0.0	0.0
998	NW 100ad	1.0	1.0	1.0	1.0	1.0	95.6	0.0	0.0	360	1.0	1.0	0.0	0.0
999	NW 000ad	0.0	0.0	0.0	0.0	0.0	24.3	0.0	0.0	360	1.0	1.0	0.0	0.0
1000	NW 012ad	0.125	0.125	0.125	0.125	0.125	33.2	0.0	0.0	360	1.0	1.0	0.0	0.0
1001	NW 025ad	0.25	0.25	0.25	0.25	0.25	42.1	0.0	0.0	360	1.0	1.0	0.0	0.0
1002	NW 037ad	0.375	0.375	0.375	0.375	0.375	51.0	0.0	0.0	360	1.0	1.0	0.0	0.0
1003	NW 050ad	0.5	0.5	0.5	0.5	0.5	60.0	0.0	0.0	360	1.0	1.0	0.0	0.0
1004	NW 062ad	0.625	0.625	0.625	0.625	0.625	68.9	0.0	0.0	360	1.0	1.0	0.0	0.0
1005	NW 075ad	0.75	0.75	0.75	0.75	0.75	77.8	0.0	0.0	360	1.0	1.0	0.0	0.0
1006	NW 087ad	0.875	0.875	0.875	0.875	0.875	86.7	0.0	0.0	360	1.0	1.0	0.0	0.0
1007	NW 100ad	1.0	1.0	1.0	1.0	1.0	95.6	0.0	0.0	360	1.0	1.0	0.0	0.0
1008	NW 000ad	0.0	0.0	0.0	0.0	0.0	24.3	0.0	0.0	360	1.0	1.0	0.0	0.0
1009	NW 006ad	0.066	0.066	0.066	0.066	0.066	29.0	0.0	0.0	360	1.0	1.0	0.0	0.0
1010	NW 013ad	0.133	0.133	0.133	0.133	0.133	33.8	0.0	0.0	360	1.0	1.0	0.0	0.0
1011	NW 020ad	0.2	0.2	0.2	0.2	0.2	38.6	0.0	0.0	360	1.0	1.0	0.0	0.0
1012	NW 026ad	0.266	0.266	0.266	0.266	0.266	43.3	0.0	0.0	360	1.0	1.0	0.0	0.0
1013	NW 033ad	0.333	0.333	0.333	0.333	0.333	48.1	0.0	0.0	360	1.0	1.0	0.0	0.0
1014	NW 040ad	0.4	0.4	0.4	0.4	0.4	52.8	0.0	0.0	360	1.0	1.0	0.0	0.0
1015	NW 046ad	0.466	0.466	0.466	0.466	0.466	57.5	0.0	0.0	360	1.0	1.0	0.0	0.0
1016	NW 053ad	0.533	0.533	0.533	0.533	0.533	62.3	0.0	0.0	360	1.0	1.0	0.0	0.0
1017	NW 060ad	0.6	0.6	0.6	0.6	0.6	67.1	0.0	0.0	360	1.0	1.0	0.0	0.0
1018	NW 066ad	0.666	0.666	0.666	0.666	0.666	71.8	0.0	0.0	360	1.0	1.0	0.0	0.0
1019	NW 073ad	0.734	0.734	0.734	0.734	0.734	76.6	0.0	0.0	360	1.0	1.0	0.0	0.0
1020	NW 080ad	0.8	0.8	0.8	0.8	0.8	81.3	0.0	0.0	360	1.0	1.0	0.0	0.0
1021	NW 086ad	0.866	0.866	0.866	0.866	0.866	86.0	0.0	0.0	360	1.0	1.0	0.0	0.0
1022	NW 093ad	0.933	0.933	0.933	0.933	0.933	90.8	0.0	0.0	360	1.0	1.0	0.0	0.0
1023	NW 100ad	1.0	1.0	1.0	1.0	1.0	95.6	0.0	0.0	360	1.0	1.0	0.0	0.0
1024	NW 000ad	0.066	0.066	0.066	0.066	0.066	29.0	0.0	0.0	360	1.0	1.0	0.0	0.0
1025	NW 013ad	0.133	0.133	0.133	0.133	0.133	33.8	0.0	0.0	360	1.0	1.0	0.0	0.0
1026	NW 020ad	0.2	0.2	0.2	0.2	0.2	38.6	0.0	0.0	360	1.0	1.0	0.0	0.0
1027	NW 026ad	0.266	0.266	0.266	0.266	0.266	43.3	0.0	0.0	360	1.0	1.0	0.0	0.0
1028	NW 033ad	0.333	0.333	0.333	0.333	0.333	48.1	0.0	0.0	360	1.0	1.0	0.0	0.0
1029	NW 040ad	0.4	0.4	0.4	0.4	0.4	52.8	0.0	0.0	360	1.0	1.0	0.0	0.0
1030	NW 046ad	0.466	0.466	0.466	0.466	0.466	57.5	0.0	0.0	360	1.0	1.0	0.0	0.0
1031	NW 053ad	0.533	0.533	0.533	0.533	0.533	62.3	0.0	0.0	360	1.0	1.0	0.0	0.0
1032	NW 060ad	0.6	0.6	0.6	0.6	0.6	67.1	0.0	0.0	360	1.0	1.0	0.0	0.0
1033	NW 066ad	0.666	0.666	0.666	0.666	0.666	71.8	0.0	0.0	360	1.0	1.0	0.0	0.0
1034	NW 073ad	0.734	0.734	0.734	0.734	0.734	76.6	0.0	0.0	360	1.0	1.0	0.0	0.0
1035	NW 080ad	0.8	0.8	0.8	0.8	0.8	81.3	0.0	0.0	360	1.0	1.0	0.0	0.0
1036	NW 086ad	0.866	0.866	0.866	0.866	0.866	86.0	0.0	0.0	360	1.0	1.0	0.0	0.0
1037	NW 093ad	0.933	0.933	0.933	0.933	0.933	90.8	0.0	0.0	360	1.0	1.0	0.0	0.0
1038	NW 100ad	1.0	1.0	1.0	1.0	1.0	95.6	0.0	0.0	360	1.0	1.0	0.0	0.0
1039	NW 000ad	0.0	0.0	0.0	0.0	0.0	24.3	0.0	0.0	360	1.0	1.0	0.0	0.0
1040	NW 006ad	0.066	0.066	0.066	0.066	0.066	29.0	0.0	0.0	360	1.0	1.0	0.0	0.0
1041	NW 013ad	0.133	0.133	0.133	0.133	0.133	33.8	0.0	0.0	360	1.0	1.0	0.0	0.0
1042	NW 020ad	0.2	0.2	0.2	0.2	0.2	38.6	0.0	0.0	360	1.0	1.0	0.0	0.0
1043	NW 026ad	0.266	0.266	0.266	0.266	0.266	43.3	0.0	0.0	360	1.0	1.0	0.0	0.0
1044	NW 033ad	0.333	0.333	0.333	0.333	0.333	48.1	0.0	0.0	360	1.0	1.0	0.0	0.0
1045	NW 040ad	0.4	0.4	0.4	0.4	0.4	52.8	0.0	0.0	360	1.0	1.0	0.0	0.0
1046	NW 046ad	0.466	0.466	0.466	0.466	0.466	57.5	0.0	0.0	360	1.0	1.0	0.0	0.0
1047	NW 053ad	0.533	0.533	0.533	0.533	0.533	62.3	0.0	0.0	360	1.0	1.0	0.0	0.0
1048	NW 060ad	0.6	0.6	0.6	0.6	0.6	67.1	0.0	0.0	360	1.0	1.0	0.0	0.0
1049	NW 066ad	0.666	0.666	0.666	0.666	0.666	71.8	0.0	0.0	360	1.0	1.0	0.0	0.0
1050	NW 073ad	0.734	0.734	0.734	0.734	0.734	76.6	0.0	0.0	360	1.0	1.0	0.0	0.0
1051	NW 080ad	0.8	0.8	0.8	0.8	0.8	81.3	0.0	0.0	360	1.0	1.0	0.0	0.0
1052	NW 086ad	0.866	0.866	0.866	0.866	0.866	86.0	0.0	0.0	360	1.0	1.0	0.0	0.0

TUB registration: 20150701-PE87/PE87L0FP.PDF /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/PE87/PE87.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

<http://130.149.60.45/~farbmetrik/PE87/PE87L0FP.PDF /.PS; 3D-linearization>
F: 3D-linearization PE87/PE87LE30FP.DAT in file (F), page 33/33

n	HC*	rgb*	lch*	rgb*	lch*	rgb*	lch*	cmyn*	cmyn*	rgb*	lch*	delta
1053	NW_086dd	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.173 0.108 0.099	0.099 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1054	NW_093dd	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.09 0.054 0.0	0.054 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1055	NW_100dd	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1056	NW_100dd	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	0.935 0.825 0.0	0.825 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1057	NW_006dd	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	0.879 0.763 0.725	0.725 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1058	NW_013dd	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	0.799 0.661 0.614	0.614 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1059	NW_026dd	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	0.731 0.571 0.537	0.537 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1060	NW_033dd	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	0.682 0.507 0.485	0.485 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1061	NW_040dd	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.636 0.454 0.433	0.433 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1062	NW_046dd	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	0.574 0.354 0.381	0.381 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1063	NW_053dd	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	0.509 0.328 0.333	0.333 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1064	NW_053dd	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	0.442 0.228 0.228	0.228 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1065	NW_060dd	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.377 0.228 0.228	0.228 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1066	NW_066dd	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	0.314 0.191 0.186	0.186 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1067	NW_073dd	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	0.252 0.153 0.146	0.146 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1068	NW_080dd	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.173 0.108 0.099	0.099 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1069	NW_086dd	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.09 0.054 0.0	0.054 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1070	NW_093dd	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	1.0 1.0 1.0	1.0 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1071	NW_100dd	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	0.0 0.0 0.0	0.0 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1072	NW_100dd	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1073	ROY_100_100dd	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	0.0 0.0 0.0	0.0 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1074	ROY_100_100dd	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1075	G50B_100_100dd	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 0.0 0.0	0.0 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1076	G50B_100_100dd	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1077	Y06C_100_100dd	0.0 1.0 0.0	0.0 1.0 0.0	0.0 1.0 0.0	0.0 1.0 0.0	0.0 1.0 0.0	0.0 1.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1078	B06C_100_100dd	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	0.999 0.0 0.0	0.0 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0
1079	B50R_100_100dd	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	0.0 0.0 0.0	360 1.0 1.0	95.6 0.0 0.0	0.0

I-1033231-F0

PE870-7N, Page 33/33-F

TUB-test chart PE87; 16 step hue circle
colors and differences, ΔE^*

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