

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 10/360 = 0.02$

$H^*_- = B75R_-$

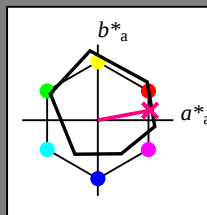
Data for any device (d) or elementary (e) colour:

HIC^*_-

hue text for the colours of this page:

$H^*_- = B75R_-$

triangle lightness T^*



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	37
Y _{-,Ma}	90.3	-10.2	91.7	92.3	96
G _{-,Ma}	50.9	-62.8	34.9	71.9	150
C _{-,Ma}	58.6	-30.3	-45.0	54.2	236
B _{-,Ma}	25.7	31.0	-44.4	54.2	305
M _{-,Ma}	48.1	75.2	-8.3	75.7	353
N _{-,Ma}	18.0	0.0	0.0	0.0	0
W _{-,Ma}	95.4	0.0	0.0	0.0	0
R _{-,CIE}	39.9	58.7	27.9	65.0	25
Y _{-,CIE}	81.2	-2.8	71.5	71.6	92
G _{-,CIE}	52.2	-42.4	13.6	44.5	162
B _{-,CIE}	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}$: 48 69 12 70 10

$HIC^*_{-,Ma}$: B75R_100_100_

$rgbic^*_{-,Ma}$:

1.0 0.0 0.5 1.0 1.0

triangle lightness T^*

% Gamut

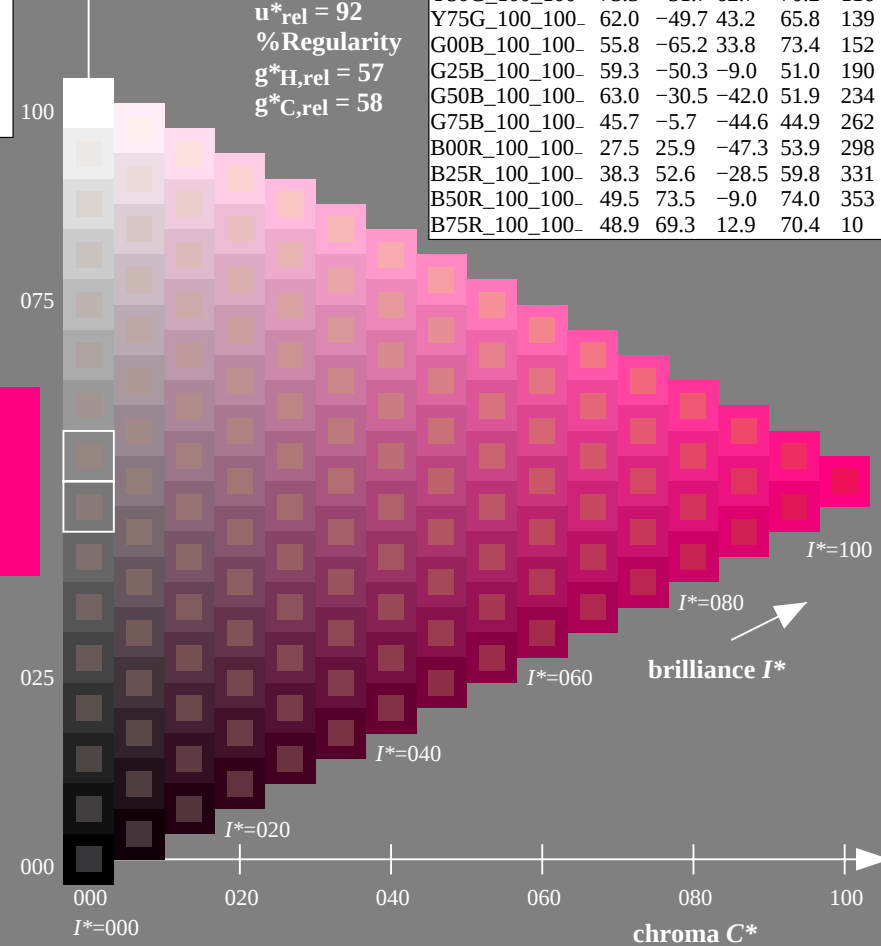
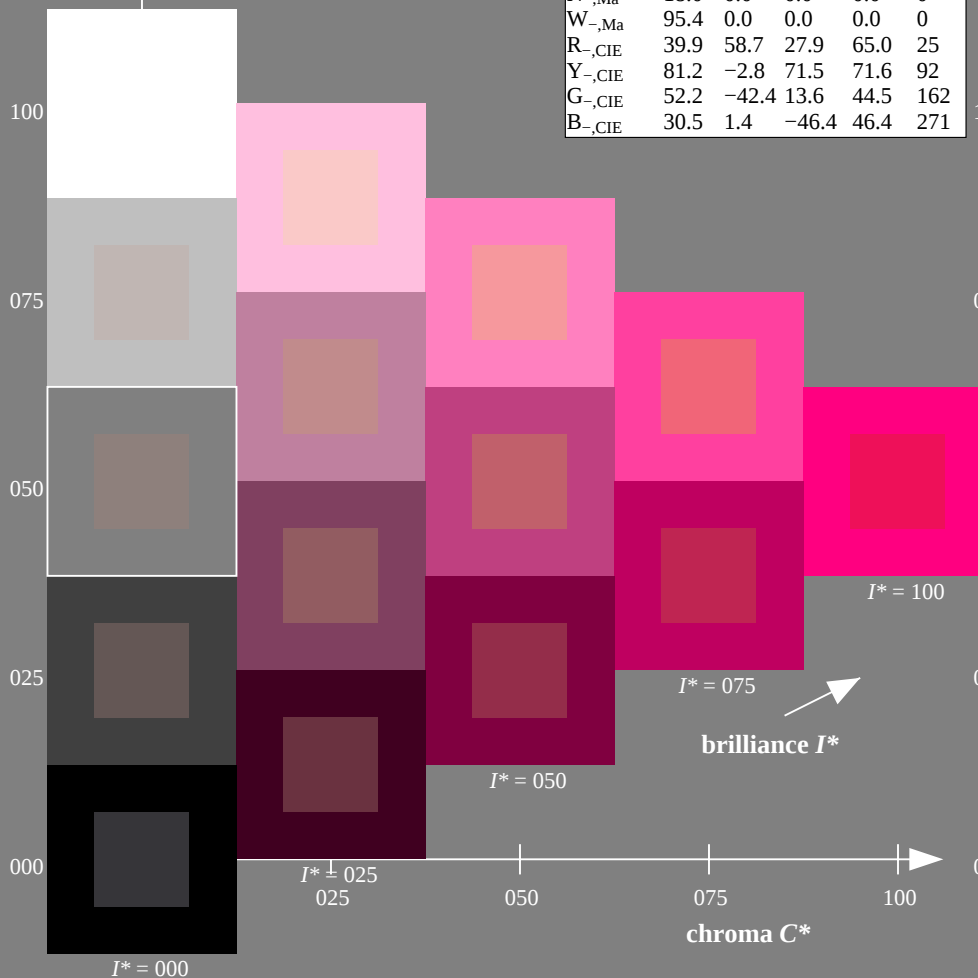
$u^*_{rel} = 92$

% Regularity

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

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

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	31
R25Y_100_100_	56.8	48.0	50.5	69.6	46
R50Y_100_100_	68.6	25.0	63.9	68.6	68
R75Y_100_100_	80.6	4.8	77.2	77.3	86
Y00G_100_100_	90.2	-9.6	88.2	88.7	96
Y25G_100_100_	83.2	-18.4	79.9	81.9	102
Y50G_100_100_	73.3	-31.7	62.7	70.2	116
Y75G_100_100_	62.0	-49.7	43.2	65.8	139
G00B_100_100_	55.8	-65.2	33.8	73.4	152
G25B_100_100_	59.3	-50.3	-9.0	51.0	190
G50B_100_100_	63.0	-30.5	-42.0	51.9	234
G75B_100_100_	45.7	-5.7	-44.6	44.9	262
B00R_100_100_	27.5	25.9	-47.3	53.9	298
B25R_100_100_	38.3	52.6	-28.5	59.8	331
B50R_100_100_	49.5	73.5	-9.0	74.0	353
B75R_100_100_	48.9	69.3	12.9	70.4	10



TUB-test chart RE44; hue code: $H^*_- = B75R_-$
Test chart according to DIN 33872, 3D=1, de=0, $cm\dot{y}k^*$

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

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 11/360 = 0.03$

$H^*_d = B75R_d$

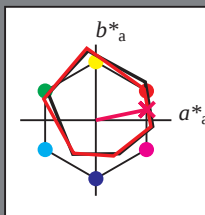
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = B75R_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _d ,Ma	47.3	63.8	41.2	76.0	32
Y _d ,Ma	88.3	-11.9	95.1	95.8	97
G _d ,Ma	51.9	-68.8	28.1	74.3	157
C _d ,Ma	58.3	-29.2	-43.7	52.6	236
B _d ,Ma	25.3	23.5	-47.3	52.8	296
M _d ,Ma	48.2	72.8	-8.5	73.3	353
N _d ,Ma	17.7	0.0	0.0	0.0	0
W _d ,Ma	95.4	0.0	0.0	0.0	0
R _d ,CIE	39.9	58.7	27.9	65.0	25
Y _d ,CIE	81.2	-2.8	71.5	71.6	92
G _d ,CIE	52.2	-42.4	13.6	44.5	162
B _d ,CIE	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_d, Ma$: 47 67 14 69 11

HIC^*_d, Ma : B75R_100_100_d

$rgbic^*_d, Ma$:

1.0 0.0 0.5 1.0 1.0

triangle lightness T^*

% Gamut

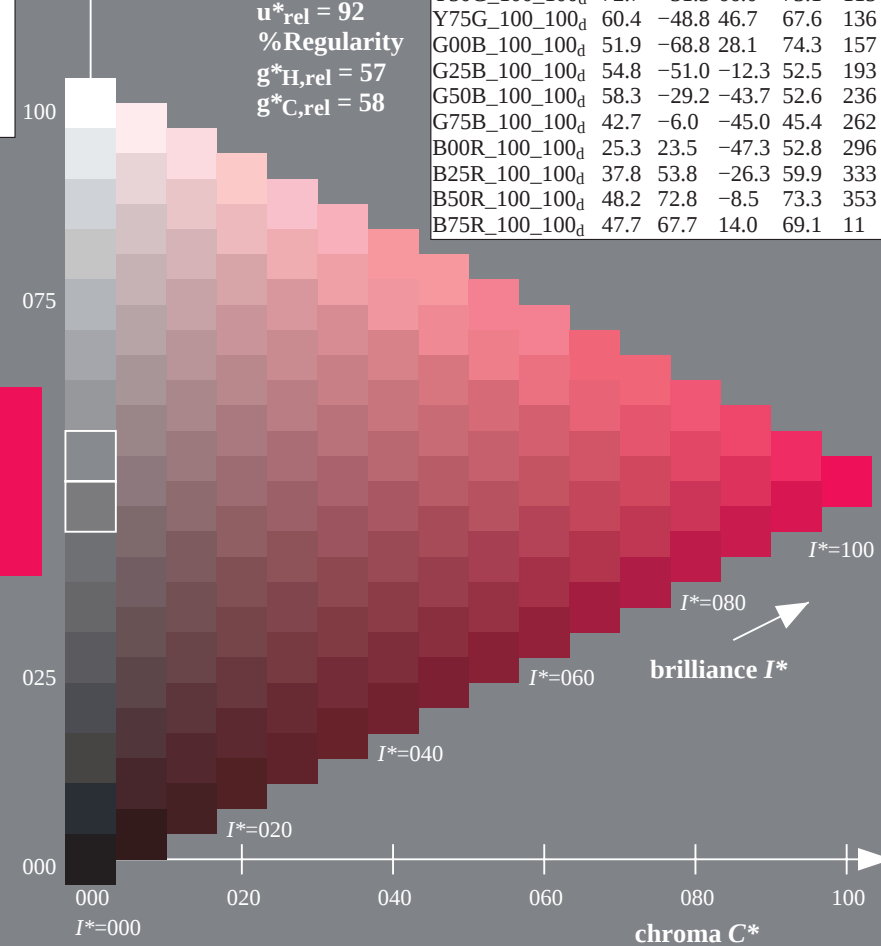
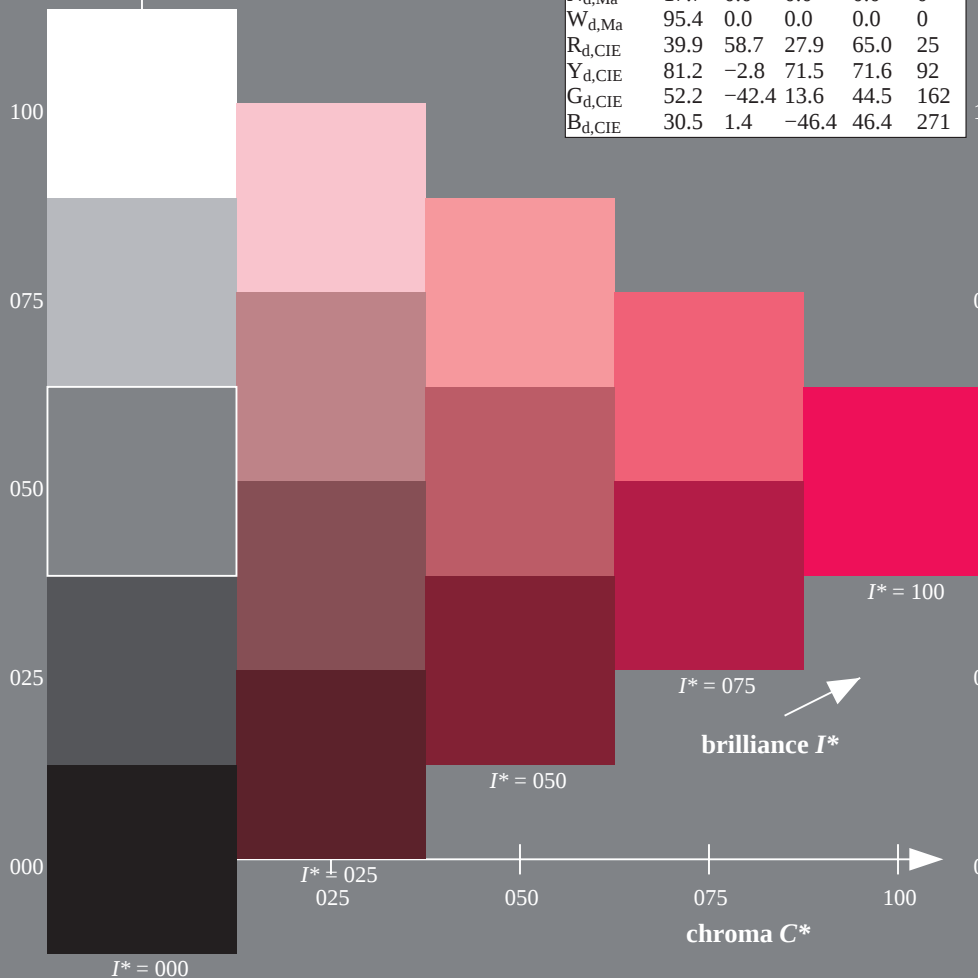
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 _d	47.3	63.8	41.2	76.0	32
R25Y_100_100 _d	55.3	45.8	52.2	69.5	48
R50Y_100_100 _d	67.2	22.6	67.6	71.2	71
R75Y_100_100 _d	79.9	1.0	83.9	83.9	89
Y00G_100_100 _d	88.3	-11.9	95.1	95.8	97
Y25G_100_100 _d	83.3	-19.2	83.7	85.9	102
Y50G_100_100 _d	72.7	-31.3	66.0	73.1	115
Y75G_100_100 _d	60.4	-48.8	46.7	67.6	136
G00B_100_100 _d	51.9	-68.8	28.1	74.3	157
G25B_100_100 _d	54.8	-51.0	-12.3	52.5	193
G50B_100_100 _d	58.3	-29.2	-43.7	52.6	236
G75B_100_100 _d	42.7	-6.0	-45.0	45.4	262
B00R_100_100 _d	25.3	23.5	-47.3	52.8	296
B25R_100_100 _d	37.8	53.8	-26.3	59.9	333
B50R_100_100 _d	48.2	72.8	-8.5	73.3	353
B75R_100_100 _d	47.7	67.7	14.0	69.1	11



TUB-test chart RE44; hue code: $H^*_d = B75R_d$
Test chart according to DIN 33872, 3D=1, de=0, $cm\dot{y}k^*$

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

TUB registration: 20150701-RE44/RE44L0FA.TXT /.PS
application for measurement of offset print output, separation $cm\dot{y}n\dot{b}^*$ (CMYK)

TUB material: code=rha4ta

Input and Output: Offset Reflective System ORS18a for relative CIE LAB hue $h_{ab,rel} = h_{ab}/360 = 11/360 = 0.03$

$H^*_d = B75R_d$

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

HIC^*_d

hue text for the colours of this page:

$H^*_d = B75R_d$

triangle lightness T^*

Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 47 67 14 69 11

$HIC^*_{d,Ma}$: B75R_100_100d

$rgbic^*_{d,Ma}$:

1.0 0.0 0.5 1.0 1.0

triangle lightness T^*

%Gamut

$u^*_{rel} = 92$

%Regularity

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

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



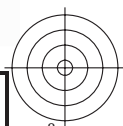
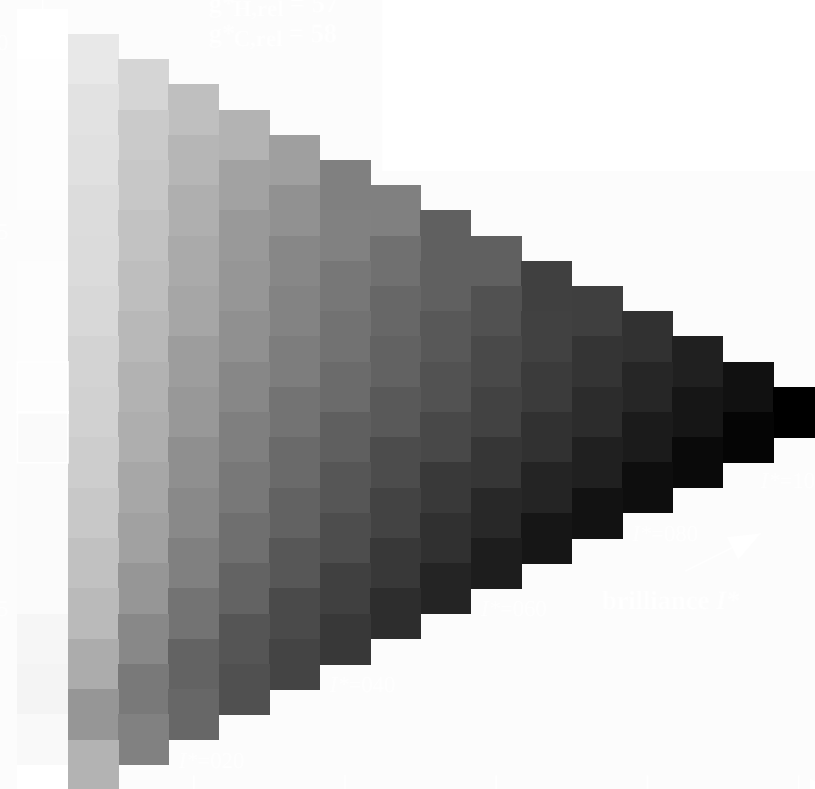
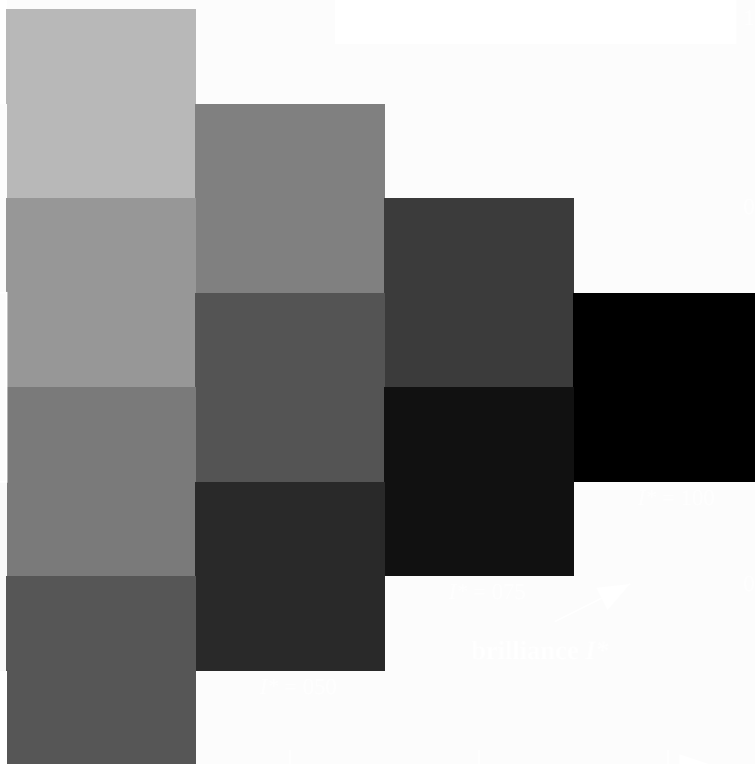
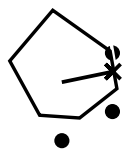
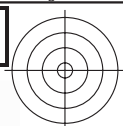
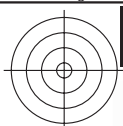
1-103230-L0 RE440-72
TUB-test chart RE44; hue code: $H^*_d=B75R_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmYK^*$

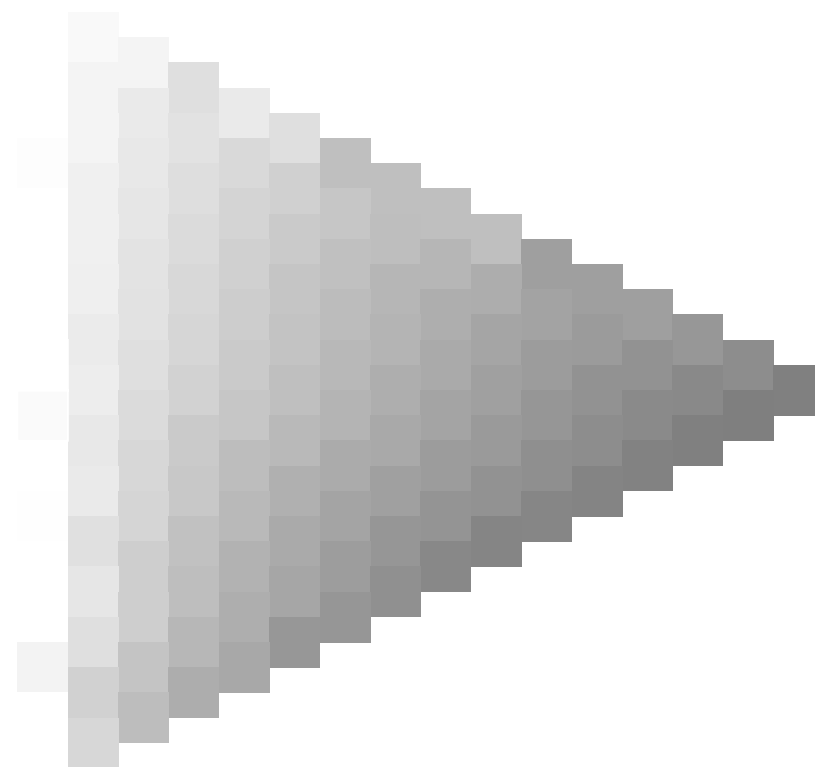
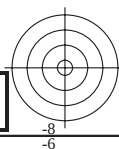
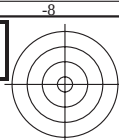
input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmYK^*_{dd}$

1-103330-L0 RE440-72

TUB-test chart RE44; hue code: $H^*_d=B75R_d$
Test chart according to DIN 33872, 3D=1, $de=0$, cmyk*

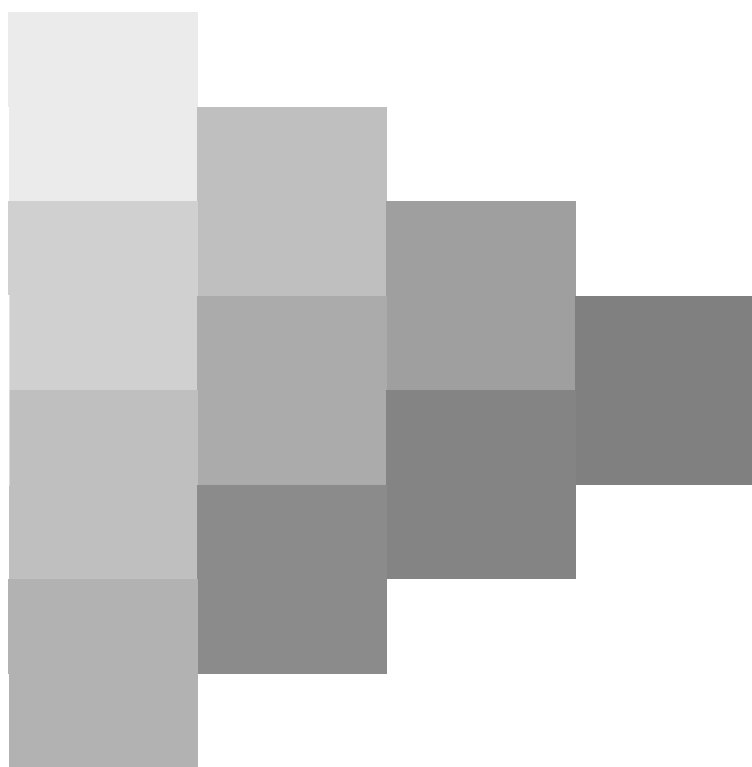
input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmyk^*_{dd}$



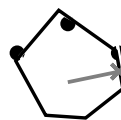


input: *rgb/cmyk* -> *rgb_{dd}*
output: 3D-linearization to *cmyk_{dd}*

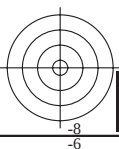
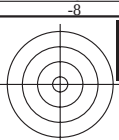
<http://130.149.60.45/~farbmetrik/RE44/RE44L0FA.TXT> /.PS; 3D-linearization
F: 3D-linearization RE44/RE44LE30FA.DAT in file (F), page 5/33



TUB-test chart RE44; hue code: $H^*_d=B75R_d$
Test chart according to DIN 33872, 3D=1, de=0, *cmyk**



see similar files: <http://130.149.60.45/~farbmetrik/RE44/RE44.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 11/360 = 0.03$

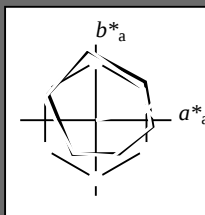
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours
of this page:

$H^*_d = B75R_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	47.3	63.8	41.2	76.0	32
$Y_{d,Ma}$	88.3	-11.9	95.1	95.8	97
$G_{d,Ma}$	51.9	-68.8	28.1	74.3	157
$C_{d,Ma}$	58.3	-29.2	-43.7	52.6	236
$B_{d,Ma}$	25.3	23.5	-47.3	52.8	296
$M_{d,Ma}$	48.2	72.8	-8.5	73.3	353
$N_{d,Ma}$	17.7	0.0	0.0	0.0	0
$W_{d,Ma}$	95.4	0.0	0.0	0.0	0
$R_{d,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{d,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{d,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{d,CIE}$	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 47 67 14 69 11

$HIC^*_{d,Ma}$: B75R_100_100d

$rgbic^*_{d,Ma}$:

1.0 0.0 0.5 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

% Regularity

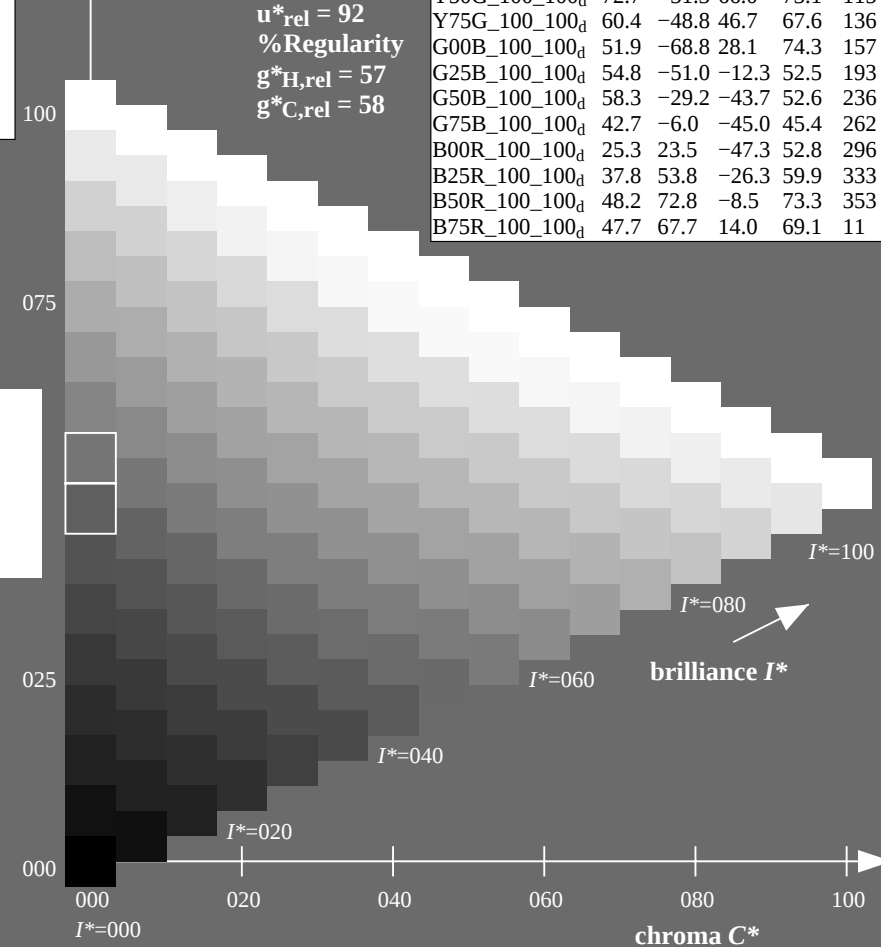
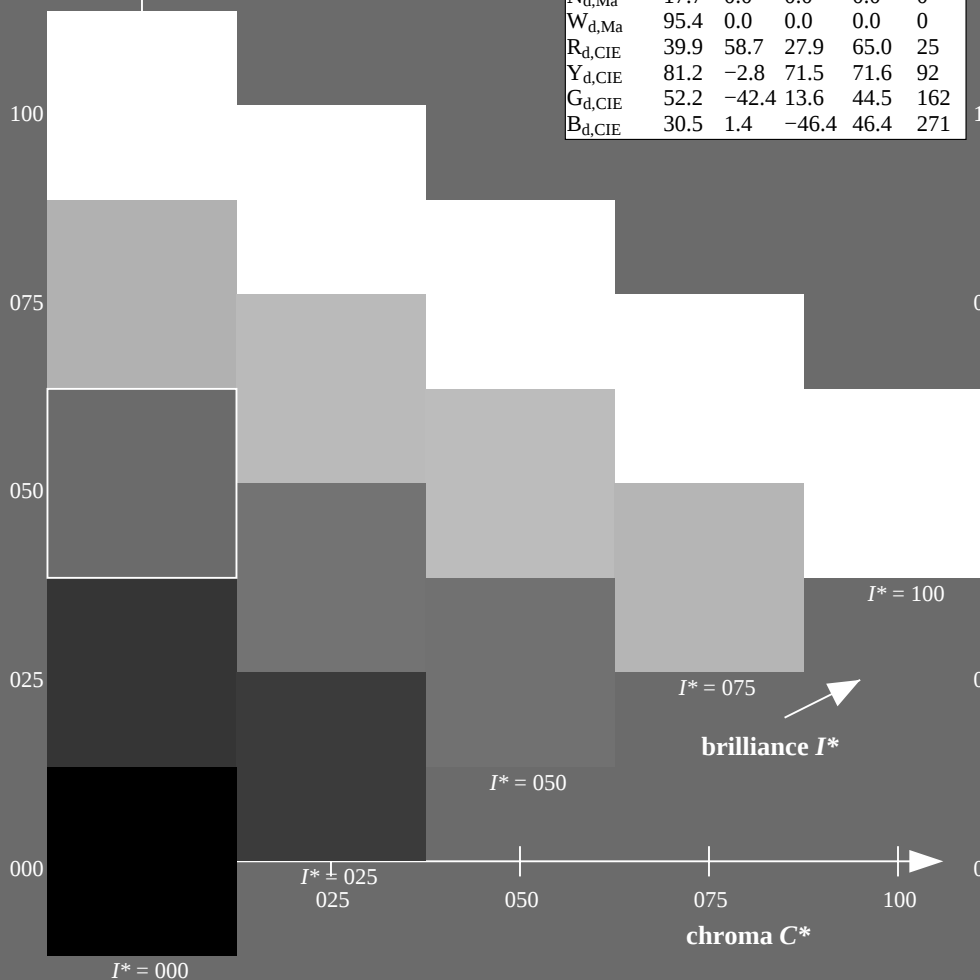
$g^*_{H,rel} = 57$

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

$H^*_d = B75R_d$

ORS20a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_{100_100d}$	47.3	63.8	41.2	76.0	32
$R25Y_{100_100d}$	55.3	45.8	52.2	69.5	48
$R50Y_{100_100d}$	67.2	22.6	67.6	71.2	71
$R75Y_{100_100d}$	79.9	1.0	83.9	83.9	89
$Y00G_{100_100d}$	88.3	-11.9	95.1	95.8	97
$Y25G_{100_100d}$	83.3	-19.2	83.7	85.9	102
$Y50G_{100_100d}$	72.7	-31.3	66.0	73.1	115
$Y75G_{100_100d}$	60.4	-48.8	46.7	67.6	136
$G00B_{100_100d}$	51.9	-68.8	28.1	74.3	157
$G25B_{100_100d}$	54.8	-51.0	-12.3	52.5	193
$G50B_{100_100d}$	58.3	-29.2	-43.7	52.6	236
$G75B_{100_100d}$	42.7	-6.0	-45.0	45.4	262
$B00R_{100_100d}$	25.3	23.5	-47.3	52.8	296
$B25R_{100_100d}$	37.8	53.8	-26.3	59.9	333
$B50R_{100_100d}$	48.2	72.8	-8.5	73.3	353
$B75R_{100_100d}$	47.7	67.7	14.0	69.1	11



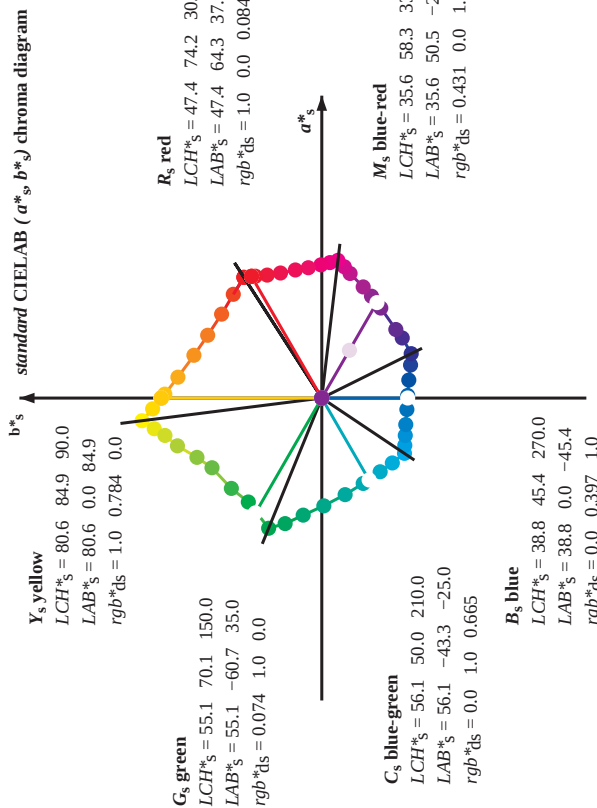
1-103530-L0 RE440-72

TUB-test chart RE44; hue code: $H^*_d=B75R_d$

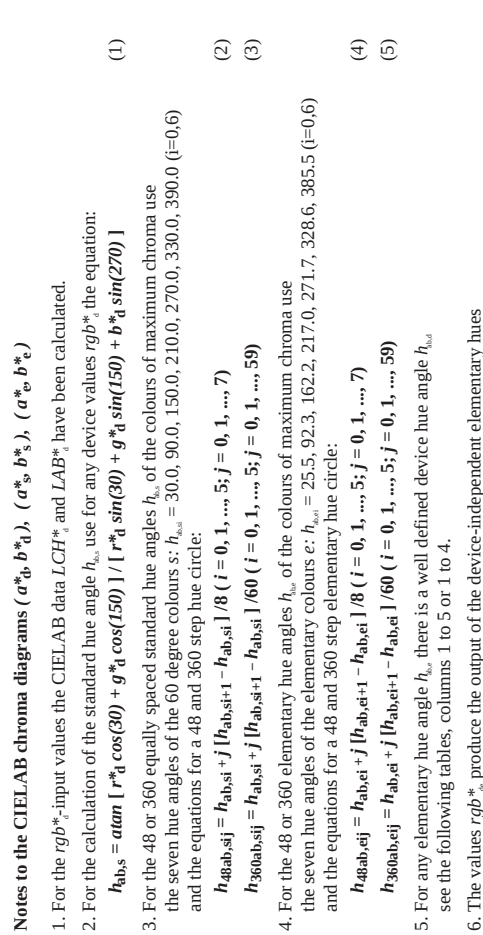
Test chart according to DIN 33872, 3D=1, de=0, $cm\dot{y}k^*$

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

output: 3D-linearization to $cm\dot{y}k^*_{dd}$



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

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

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

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

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

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

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

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

1-103630-I.0	RF440-72	LAB*1a0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyn6*, D65, page 7/33

TUB-test chart RE44; hue code: $H^*_d=B75R_d$
48 step hue circles; *rgb-LabCh**tables

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

TUB registration: 20150701-RE44/RE44L0FA.TXT /PS
application for measurement of offset print output, separation cmyk6* (CMYK)

TUB material: code=rha4ta

Six hue angles of the device colours RYGBM_d: h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGBM_e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6; Six hue angles of the 60 degree standard colours RYGBM_s: h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Data of Maximum color M in colorimetric system Offset standard print; separation cmyk6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM _s : h _{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;			LAB* _d (x=LabCh)			LAB* _e (x=LabCh)			LAB* _s (x=LabCh)			rgb* _d (x=LabCh)			rgb* _e (x=LabCh)			rgb* _s (x=LabCh)		
h _{ab,d}	h _{ab,s}	h _{ab,e}	h _{ab,d}	h _{ab,s}	h _{ab,e}	h _{ab,d}	h _{ab,s}	h _{ab,e}	h _{ab,d}	h _{ab,s}	h _{ab,e}	h _{ab,d}	h _{ab,s}	h _{ab,e}	h _{ab,d}	h _{ab,s}	h _{ab,e}	h _{ab,d}	h _{ab,s}	h _{ab,e}
32.8	30.0	25.5	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	32.8	1.0	0.0	0.0	0.209	47.6	64.9	30.9	71.9	25
40.4	37.5	33.8	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4	40.4	1.0	0.007	0.0	47.6	63.4	41.6	75.8	33	33
50.0	45.0	42.1	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0	50.0	1.0	0.148	0.0	52.1	53.0	48.1	71.6	42	42
61.1	52.5	50.5	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1	61.1	1.0	0.25	0.0	56.0	44.5	53.0	69.2	49	49
71.4	60.0	58.8	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	71.4	1.0	0.35	0.0	60.3	35.6	59.0	69.0	58	58
81.7	67.5	67.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7	81.7	1.0	0.442	0.0	64.5	27.8	64.5	70.2	66	66
88.5	75.0	75.6	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5	88.5	1.0	0.55	0.0	69.8	18.3	71.3	73.6	75	75
93.6	82.5	83.9	1.0	0.875	0.0	84.2	-5.7	89.4	89.6	93.6	93.6	1.0	0.655	0.0	75.0	9.0	77.9	78.5	83	83
97.1	90.0	92.3	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97.1	97.1	1.0	0.842	0.0	83.0	-3.4	87.8	87.9	92	92
100.3	97.5	101.0	0.0	0.875	1.0	85.8	-16.2	88.6	90.0	100.3	100.3	0.0	0.871	1.0	85.8	-16.2	88.4	89.9	100	100
103.3	105.0	109.7	0.0	0.75	1.0	82.9	-19.7	83.0	85.3	103.3	103.3	0.0	0.599	1.0	76.2	-26.6	74.3	78.9	109	109
108.3	112.5	118.5	0.0	0.625	1.0	77.0	-25.2	76.3	80.4	108.3	108.3	0.0	0.455	1.0	71.4	-33.4	63.2	71.6	117	117
115.3	120.0	127.2	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115.3	115.3	0.5	0.327	1.0	65.8	-41.3	54.4	68.4	127	127
122.4	127.5	136.0	0.375	1.0	0.0	68.9	-36.9	58.1	68.8	122.4	122.4	0.375	0.244	1.0	60.7	-48.1	47.5	67.6	135	135
134.9	135.0	144.7	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134.9	134.9	0.25	0.124	1.0	57.4	-54.9	38.9	67.4	144	144
144.6	142.5	153.4	0.125	1.0	0.0	57.4	-54.9	38.9	67.3	144.6	144.6	0.125	0.047	1.0	54.0	-63.8	32.7	71.7	152	152
157.7	150.0	162.2	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157.7	157.7	0.0	0.093	1.0	47.0	-70.2	21.5	70.5	162	162
163.7	157.5	169.0	0.0	1.0	0.125	52.5	-66.4	19.3	69.1	163.7	163.7	0.0	0.209	1.0	43.5	-73.5	12.8	64.9	168	168
170.9	165.0	175.9	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170.9	170.9	0.0	0.311	1.0	39.7	-75.7	4.3	59.9	175	175
181.0	172.5	182.7	0.0	1.0	0.375	54.1	-56.9	-1.0	56.9	181.0	181.0	0.0	0.387	1.0	35.2	-76.4	-2.2	56.5	182	182
193.5	180.0	189.6	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193.5	193.5	0.0	0.46	1.0	30.7	-75.1	-8.9	54.0	189	189
205.9	187.5	196.4	0.0	1.0	0.625	55.8	-45.1	-21.9	50.1	205.9	205.9	0.0	0.524	1.0	25.0	-70.0	-14.3	52.1	195	195
218.4	190.0	203.2	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218.4	218.4	0.0	0.598	1.0	19.5	-65.5	-19.9	50.7	203	203
227.3	202.5	210.1	0.0	1.0	0.875	57.5	-34.3	-37.2	50.6	227.3	227.3	0.0	0.662	1.0	13.0	-60.1	-24.7	50.1	209	209
236.1	210.0	216.9	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236.1	236.1	0.0	0.736	1.0	6.7	-53.6	-29.9	49.8	216	216
240.3	217.5	223.8	0.0	0.875	1.0	55.2	-25.0	-43.9	50.5	240.3	240.3	0.0	0.819	1.0	0.0	-44.4	-34.4	50.3	223	223
245.8	225.0	230.6	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245.8	245.8	0.0	0.922	1.0	0.0	-45.3	-39.7	51.4	230	230
252.5	232.5	237.5	0.0	0.625	1.0	47.7	-13.9	-44.4	46.5	252.5	252.5	0.0	0.974	1.0	0.0	-45.3	-43.7	52.2	237	237
262.3	240.0	244.3	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262.3	262.3	0.0	0.785	1.0	0.0	-44.1	-44.1	49.0	244	244
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	-45.4	45.4	271.7	271.7	0.0	0.659	1.0	0.0	-41.5	-44.3	47.1	250	250
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281.6	281.6	0.0	0.555	1.0	0.0	-38.4	-44.8	45.9	258	258
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	-46.9	50.1	290.3	290.3	0.0	0.472	1.0	0.0	-34.9	-45.1	45.4	264	264
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296.4	296.4	0.0	0.375	1.0	0.0	-30.7	-45.3	45.5	271	271
306.7	277.5	278.8	0.125	0.0	1.0	29.3	31.8	-42.6	53.1	306.7	306.7	0.0	0.291	1.0	0.0	-26.8	-45.9	46.5	278	278
312.7	285.0	285.9	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312.7	312.7	0.0	0.188	1.0	0.0	-22.1	-46.6	48.5	285	285
326.7	292.5	293.0	0.375	0.0	1.0	33.8	47.6	-31.2	56.9	326.7	326.7	0.0	0.079	1.0	0.0	-17.1	-47.1	51.1	292	292
333.9	300.0	300.1	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333.9	333.9	0.0	0.046	0.0	1.0	26.8	-45.7	53.0	300	300
339.6	307.5	307.2	0.625	0.0	1.0	40.9	58.8	-21.8	62.7	339.6	339.6	0.0	0.126	0.0	1.0	29.4	-42.5	53.2	306	306
347.2	315.0	314.3	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347.2	347.2	0.0	0.265	0.0	1.0	31.8	-38.4	53.8	314	314
350.2	322.5	321.4	0.875	0.0	1.0	45.9	69.4	-11.9	70.5	350.2	350.2	0.0	0.324	0.0	1.0	32.9	-34.8	55.5	321	321
353.3	330.0	328.6	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	353.3	353.3	0.0	0.407	0.0	1.0	34.9	-30.0	57.7	328	328
356.5	337.5	335.7	1.0	0.0	0.875	48.2	71.6	-4.3	71.7	356.5	356.5	0.0	0.529	0.0	1.0	38.6	-25.3	60.6	335	335
360.3	345.0	342.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3	360.3	0.0	0.678	0.0	1.0	41.9	-19.0	64.8	342	342
365.8	352.5	349.9	1.0	0.0	0.625	48.0	68.9	7.1	69.3	365.8	365.8	0.0	0.842	0.0	1.0	45.2	-12.7	69.8	349	349
371.6	360.0	357.0	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371.6	371.6	0.0	0.949	0.0	1.0	47.3	-9.9	72.2	352	352
378.2	367.5	364.1	1.0	0.0	0.375	47.7	66.1	21.8	69.6	378.2	378.2	0.0	0.765	0.0	1.0	40.0	-1.0	70.6	359	359
383.9	375.0	371.2	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383.9	383.9	0.0	0.563	0.0	1.0	31.8	10.6	69.2	368	368
388.6	382.5	378.3	1.0	0.0	0.125	47.4	64.4	35.1	73.4	388.6	388.6	0.0	0.408	0.0	1.0	19.8	69.6	376	376	376
392.8	390.0	385.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392.8	392.8	0.0	0.209	0.0	1.0	30.9	71.9	385	385	385

Input: rgb/cmyk -> rgbd
Output: 3D-linearization to cmyk*dd

TUB-test chart RE44; hue code: H*d=B75Rd
48 step hue circles; rgb-LabCh*tables

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

Data of Maximum color M in colorimetric system Offset standard print; separation cmyk6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM; $h_{ab,d}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;									
Six hue angles of the device colours RYGBCM; $h_{ab,d}$ = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGBCM; $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}
115	120	127	0.5	1.0	0.0	72.7	-31.3	66.0	73.1
116	121	128	0.0	72.2	-32.1	65.0	72.5	116	117
117	122	129	0.0	71.7	-32.9	63.9	71.9	117	118
118	123	130	0.0	71.2	-33.7	62.9	71.4	118	119
119	124	131	0.0	70.7	-34.5	61.8	70.8	119	120
120	125	133	0.0	70.2	-35.2	60.8	70.2	120	121
121	126	134	0.0	69.6	-35.9	59.7	69.6	121	122
121	127	135	0.0	69.1	-36.5	58.6	69.1	121	123
123	128	136	0.0	68.3	-37.7	57.4	68.7	123	124
124	129	137	0.0	67.3	-39.2	56.2	68.6	124	125
126	130	138	0.0	66.2	-40.8	54.9	68.4	126	126
128	131	140	0.0	65.1	-42.3	53.6	68.2	128	127
129	132	141	0.0	64.0	-43.7	52.2	68.1	129	128
131	133	142	0.0	63.0	-45.1	50.8	67.9	131	129
133	134	143	0.0	61.9	-46.5	49.3	67.8	133	130
134	135	144	0.0	60.8	-47.8	47.8	67.6	134	131
136	136	145	0.0	60.4	-48.8	46.7	67.6	136	132
137	137	147	0.0	59.9	-49.8	45.6	67.5	137	133
138	138	148	0.0	59.4	-50.8	44.4	67.5	138	134
140	139	149	0.0	59.0	-51.8	43.2	67.4	140	135
141	140	150	0.0	58.5	-52.7	42.0	67.4	141	136
142	141	151	0.0	58.1	-53.6	40.8	67.4	142	137
144	142	152	0.0	57.6	-54.5	39.5	67.3	144	138
145	143	154	0.0	57.0	-55.9	38.3	67.8	145	139
147	144	155	0.0	56.3	-57.8	37.1	68.7	147	140
149	145	156	0.0	55.5	-59.7	35.8	69.6	149	141
150	146	157	0.0	54.8	-61.6	34.4	70.6	150	142
152	147	158	0.0	54.1	-63.4	32.9	71.5	152	143
154	148	159	0.0	53.4	-65.3	31.4	72.4	154	144
156	149	161	0.0	52.6	-67.1	29.8	73.4	156	145
157	150	162	0.0	51.9	-68.8	28.1	74.3	157	146
158	151	163	0.0	51.2	-70.5	26.9	75.3	158	147
159	152	164	0.0	50.3	-72.1	25.7	76.9	159	148
160	153	164	0.0	50.5	-72.2	24.5	77.2	160	149
160	154	165	0.0	50.6	-72.2	23.3	77.6	160	150
161	155	166	0.0	50.8	-72.3	22.1	78.9	161	151
162	156	167	0.0	51.2	-72.4	21.0	80.2	162	152
163	157	168	0.0	51.6	-72.5	19.9	81.5	163	153
164	158	169	0.0	52.0	-72.6	18.6	82.7	164	154
165	159	170	0.0	52.4	-72.7	17.3	83.9	165	155
166	160	171	0.0	52.8	-72.8	16.0	85.0	166	156
167	161	172	0.0	53.2	-72.9	14.7	86.1	167	157
168	162	173	0.0	53.6	-73.0	13.4	87.3	168	158
169	163	174	0.0	54.0	-73.1	12.2	88.4	169	159
170	164	175	0.0	54.4	-73.2	11.0	89.6	170	160
170	165	175	0.0	54.8	-73.3	9.8	90.7	170	161

Data of Maximum color M in colorimetric system Offset standard print; separation cmyk6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM; $h_{ab,de} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;										Six hue angles of the device colours RYGBCM; $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; 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^*_{d361M}	rgb^*_{d361M}	rgb^*_{d361M}	rgb^*_{d361M}	rgb^*_{d361M}	rgb^*_{d361M}	rgb^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}	LAB^*_{d361M}			
236	210	216	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236	C_d	rgb^*_{d361M}	rgb^*_{d361M}	rgb^*_{d361M}	rgb^*_{d361M}	rgb^*_{d361M}	rgb^*_{d361M}	rgb^*_{d361M}	rgb^*_{d361M}			
236	211	217	0.0	0.983	1.0	57.9	-28.7	-43.7	52.3	236	0.0	1.0	0.676	56.2	-42.8	-25.7	50.0	211	0.0	0.983	1.0	
237	212	218	0.0	0.966	1.0	57.5	-28.1	-43.8	52.0	237	0.0	1.0	0.686	56.3	-42.3	-26.4	50.0	212	0.0	0.967	1.0	
237	213	219	0.0	0.95	1.0	57.1	-27.5	-43.8	51.8	237	0.0	1.0	0.696	56.4	-41.8	-27.1	49.9	213	0.0	0.95	1.0	
238	214	220	0.0	0.933	1.0	56.7	-26.9	-43.9	51.5	238	0.0	1.0	0.706	56.4	-41.3	-27.8	49.9	214	0.0	0.933	1.0	
238	215	221	0.0	0.916	1.0	56.2	-26.4	-43.9	51.2	238	0.0	1.0	0.716	56.5	-40.8	-28.5	49.9	215	0.0	0.917	1.0	
239	216	222	0.0	0.9	1.0	55.8	-25.8	-43.9	50.9	239	0.0	1.0	0.726	56.6	-40.2	-29.2	49.8	216	0.0	0.9	1.0	
240	217	223	0.0	0.883	1.0	55.4	-25.2	-43.9	50.7	240	0.0	1.0	0.736	56.7	-39.7	-29.9	49.8	217	0.0	0.883	1.0	
240	218	224	0.0	0.866	1.0	55.0	-24.6	-43.9	50.4	240	0.0	1.0	0.746	56.7	-39.1	-30.5	49.8	218	0.0	0.867	1.0	
241	219	225	0.0	0.85	1.0	54.5	-23.9	-44.0	50.1	241	0.0	1.0	0.758	56.8	-38.6	-31.2	49.8	219	0.0	0.85	1.0	
242	220	226	0.0	0.833	1.0	54.1	-23.2	-44.0	49.8	242	0.0	1.0	0.772	56.9	-38.1	-32.0	49.9	220	0.0	0.833	1.0	
242	221	227	0.0	0.816	1.0	53.6	-22.5	-44.1	49.5	242	0.0	1.0	0.786	57.0	-37.7	-32.7	50.0	221	0.0	0.817	1.0	
243	222	227	0.0	0.8	1.0	53.1	-21.8	-44.1	49.2	243	0.0	1.0	0.8	57.1	-37.2	-33.4	50.1	222	0.0	0.8	1.0	
244	223	228	0.0	0.783	1.0	52.7	-21.1	-44.1	48.9	244	0.0	1.0	0.814	57.2	-36.6	-34.2	50.2	223	0.0	0.783	1.0	
245	224	229	0.0	0.766	1.0	52.2	-20.4	-44.1	48.6	245	0.0	1.0	0.828	57.3	-36.1	-34.9	50.3	224	0.0	0.767	1.0	
245	225	230	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245	0.0	1.0	0.842	57.4	-35.6	-35.6	50.4	225	0.0	0.75	1.0	
246	226	231	0.0	0.733	1.0	51.2	-18.9	-44.2	48.1	246	0.0	1.0	0.856	57.5	-35.0	-36.3	50.5	226	0.0	0.733	1.0	
247	227	232	0.0	0.716	1.0	50.7	-18.1	-44.3	47.8	247	0.0	1.0	0.87	57.5	-34.4	-36.9	50.7	227	0.0	0.717	1.0	
248	228	233	0.0	0.7	1.0	50.1	-17.4	-44.3	47.6	248	0.0	1.0	0.884	57.6	-33.9	-37.7	50.8	228	0.0	0.7	1.0	
249	229	234	0.0	0.683	1.0	49.6	-16.6	-44.3	47.4	249	0.0	1.0	0.899	57.7	-33.4	-38.4	51.1	229	0.0	0.683	1.0	
250	230	235	0.0	0.666	1.0	49.1	-15.8	-44.4	47.1	250	0.0	1.0	0.913	57.8	-32.9	-39.2	51.3	230	0.0	0.667	1.0	
251	231	236	0.0	0.65	1.0	48.5	-15.0	-44.4	46.9	251	0.0	1.0	0.927	57.9	-32.3	-39.9	51.5	231	0.0	0.65	1.0	
252	232	237	0.0	0.633	1.0	48.0	-14.3	-44.4	46.6	252	0.0	1.0	0.941	58.0	-31.7	-40.7	51.7	232	0.0	0.633	1.0	
253	233	237	0.0	0.616	1.0	47.4	-13.4	-44.5	46.4	253	0.0	1.0	0.955	58.1	-31.2	-41.4	51.9	233	0.0	0.617	1.0	
254	234	238	0.0	0.6	1.0	46.7	-12.3	-44.6	46.3	254	0.0	1.0	0.969	58.2	-30.6	-42.1	52.2	234	0.0	0.6	1.0	
255	235	239	0.0	0.583	1.0	46.1	-11.3	-44.7	46.1	255	0.0	1.0	0.983	58.2	-29.9	-42.8	52.4	235	0.0	0.583	1.0	
257	236	240	0.0	0.566	1.0	45.4	-10.2	-44.8	46.0	257	0.0	1.0	0.997	58.3	-29.3	-43.5	52.6	236	0.0	0.567	1.0	
258	237	241	0.0	0.55	1.0	44.7	-9.1	-44.9	45.8	258	0.0	1.0	0.976	1.0	57.7	-28.4	-43.7	52.2	237	0.0	0.55	1.0
259	238	242	0.0	0.533	1.0	44.1	-8.1	-45.0	45.7	259	0.0	1.0	0.946	1.0	57.0	-27.3	-43.8	51.7	238	0.0	0.533	1.0
261	239	243	0.0	0.516	1.0	43.4	-7.0	-45.0	45.5	261	0.0	1.0	0.916	1.0	56.3	-26.3	-43.8	51.2	239	0.0	0.517	1.0
262	240	244	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262	0.0	1.0	0.886	1.0	55.5	-25.3	-43.8	50.7	240	0.0	0.5	1.0
263	241	245	0.0	0.483	1.0	42.1	-5.0	-45.1	45.4	263	0.0	1.0	0.861	1.0	54.9	-24.3	-43.9	50.3	241	0.0	0.483	1.0
264	242	246	0.0	0.466	1.0	41.4	-4.0	-45.2	45.4	264	0.0	1.0	0.838	1.0	54.2	-23.3	-44.0	49.9	242	0.0	0.467	1.0
266	243	247	0.0	0.45	1.0	40.8	-3.0	-45.3	45.4	266	0.0	1.0	0.815	1.0	53.6	-22.4	-44.0	49.5	243	0.0	0.45	1.0
267	244	248	0.0	0.433	1.0	40.2	-2.1	-45.3	45.4	267	0.0	1.0	0.793	1.0	53.0	-21.4	-44.1	49.1	244	0.0	0.433	1.0
268	245	248	0.0	0.416	1.0	39.5	-1.1	-45.4	45.4	268	0.0	1.0	0.77	1.0	52.3	-20.5	-44.1	48.7	245	0.0	0.417	1.0
269	246	249	0.0	0.4	1.0	38.9	-0.1	-45.4	45.4	269	0.0	1.0	0.748	1.0	51.7	-19.6	-44.1	48.4	246	0.0	0.4	1.0
271	247	250	0.0	0.383	1.0	38.2	0.8	-45.4	45.4	271	0.0	1.0	0.729	1.0	51.1	-18.7	-44.2	48.1	247	0.0	0.383	1.0
272	248	251	0.0	0.366	1.0	37.6	1.8	-45.5	45.5	272	0.0	1.0	0.711	1.0	50.5	-17.8	-44.2	47.8	248	0.0	0.367	1.0
273	249	252	0.0	0.35	1.0	37.0	2.9	-45.6	45.7	273	0.0	1.0	0.692	1.0	49.9	-16.9	-44.3	47.5	249	0.0	0.35	1.0
275	250	253	0.0	0.333	1.0	36.4	4.0	-45.7	45.9	275	0.0	1.0	0.673	1.0	49.3	-16.1	-44.3	47.3	250	0.0	0.333	1.0
276	251	254	0.0	0.316	1.0	35.7	5.1	-45.8	46.1	276	0.0	1.0	0.654	1.0	48.7	-15.2	-44.3	47.0	251	0.0	0.317	1.0
277	252	255	0.0	0.3	1.0	35.1	6.1	-45.9	46.3	277	0.0	1.0	0.636	1.0	48.1	-14.3	-44.3	46.7	252	0.0	0.3	1.0
279	253	256	0.0	0.283	1.0	34.5	7.2	-46.0	46.5	279	0.0	1.0	0.62	1.0	47.6	-13.5	-44.4	46.5	253	0.0	0.283	1.0
280	254	257	0.0	0.266	1.0	33.9	8.3	-46.0	46.7	280	0.0	1.0	0.607	1.0	47.1	-12.7	-44.5	46.4	254	0.0	0.267	1.0
281	255	258	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281	0.0	1.0	0.594	1.0	46.5	-11.9	-44.6	46.3	255	0.0	0.25	1.0

1-1031330-L0 RE440-72 LAB* h_{ab} , YN=0%, XY Znw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*rw=17.7, 0.0, 95.5, 0.0, 0.0

TUB-test chart RE44; hue code: H*_d=B75Rd

48 step hue circles; $rgb-LabCh$ *tables

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

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

Output: Offset standard print; separation cmyk6*, D65, page 14/38

Six hue angles of the device colours RYGBM; $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours RYGBM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$													
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{d361M}	LAB^*_{d361M}	$rgb^*_{ds361MI}$	$LAB^*_{ds361MI} (x=LabCh)$	rgb^*_{d361MI}	$LAB^*_{d361MI} (x=LabCh)$	$rgb^*_{dd361MI}$	$LAB^*_{dd361MI} (x=LabCh)$	$rgb^*_{dd361MI}$		
281	255	258	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281	0.0	0.25	1.0
282	256	258	0.0	0.233	1.0	32.7	10.5	-46.2	47.4	282	0.0	0.233	1.0
283	257	259	0.0	0.216	1.0	32.0	11.5	-46.4	47.8	283	0.0	0.217	1.0
285	258	260	0.0	0.2	1.0	31.4	12.5	-46.5	48.2	285	0.0	0.2	1.0
286	259	261	0.0	0.183	1.0	30.8	13.6	-46.7	48.6	286	0.0	0.183	1.0
287	260	262	0.0	0.166	1.0	30.1	14.7	-46.8	49.0	287	0.0	0.167	1.0
288	261	263	0.0	0.15	1.0	29.5	15.8	-46.9	49.4	288	0.0	0.15	1.0
289	262	264	0.0	0.133	1.0	28.9	16.8	-46.9	49.9	289	0.0	0.133	1.0
290	263	265	0.0	0.116	1.0	28.3	17.8	-47.0	50.3	290	0.0	0.117	1.0
291	264	266	0.0	0.1	1.0	27.9	18.6	-47.1	50.6	291	0.0	0.1	1.0
292	265	267	0.0	0.083	1.0	27.5	19.4	-47.1	51.0	292	0.0	0.083	1.0
293	266	268	0.0	0.066	1.0	27.0	20.2	-47.2	51.4	293	0.0	0.067	1.0
293	267	269	0.0	0.049	1.0	26.6	21.0	-47.3	51.7	293	0.0	0.065	1.0
294	268	269	0.0	0.033	1.0	26.2	21.8	-47.3	52.1	294	0.0	0.033	1.0
295	269	270	0.0	0.016	1.0	25.7	22.6	-47.3	52.5	295	0.0	0.017	1.0
296	270	271	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296	0.0	0.0	1.0
297	271	272	0.016	0.0	1.0	25.8	24.6	-46.8	52.9	297	0.0	0.017	1.0
299	272	273	0.033	0.0	1.0	26.3	25.8	-46.2	52.9	299	0.0	0.033	1.0
300	273	274	0.05	0.0	1.0	26.9	26.9	-45.6	52.9	300	0.0	0.05	1.0
301	274	275	0.066	0.0	1.0	27.4	28.0	-45.0	53.0	301	0.0	0.067	1.0
303	275	276	0.083	0.0	1.0	27.9	29.1	-44.3	53.0	303	0.0	0.083	1.0
304	276	277	0.1	0.0	1.0	28.5	30.2	-43.6	53.1	304	0.0	0.1	1.0
306	277	278	0.116	0.0	1.0	29.0	31.2	-42.9	53.1	306	0.0	0.117	1.0
307	278	279	0.133	0.0	1.0	29.4	32.1	-42.3	53.1	307	0.0	0.133	1.0
307	279	280	0.15	0.0	1.0	29.7	32.7	-41.9	53.2	307	0.0	0.15	1.0
308	280	281	0.166	0.0	1.0	30.0	33.3	-41.5	53.2	308	0.0	0.167	1.0
309	281	282	0.183	0.0	1.0	30.3	33.9	-41.0	53.2	309	0.0	0.183	1.0
310	282	283	0.2	0.0	1.0	30.6	34.5	-40.6	53.3	310	0.0	0.2	1.0
311	283	284	0.216	0.0	1.0	30.9	35.0	-40.1	53.3	311	0.0	0.217	1.0
311	284	285	0.233	0.0	1.0	31.2	35.6	-39.6	53.3	311	0.0	0.233	1.0
312	285	285	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312	0.0	0.25	1.0
314	286	286	0.266	0.0	1.0	31.8	37.8	-38.3	53.8	314	0.0	0.267	1.0
316	287	287	0.283	0.0	1.0	32.1	39.4	-37.4	54.3	316	0.0	0.283	1.0
318	288	288	0.3	0.0	1.0	32.4	40.9	-36.4	54.8	318	0.0	0.3	1.0
320	289	289	0.316	0.0	1.0	32.7	42.4	-35.3	55.3	320	0.0	0.317	1.0
322	290	290	0.333	0.0	1.0	33.0	43.9	-34.2	55.7	322	0.0	0.333	1.0
323	291	291	0.35	0.0	1.0	33.3	45.4	-33.1	56.2	323	0.0	0.35	1.0
325	292	292	0.366	0.0	1.0	33.6	46.9	-31.8	56.7	325	0.0	0.367	1.0
327	293	293	0.383	0.0	1.0	34.0	48.0	-30.9	57.1	327	0.0	0.383	1.0
328	294	294	0.4	0.0	1.0	34.6	48.9	-30.3	57.5	328	0.0	0.4	1.0
329	295	295	0.416	0.0	1.0	35.1	49.7	-29.7	57.9	329	0.0	0.417	1.0
330	296	296	0.433	0.0	1.0	35.7	50.5	-29.0	58.3	330	0.0	0.433	1.0
331	297	297	0.45	0.0	1.0	36.2	51.4	-28.4	58.7	331	0.0	0.45	1.0
332	298	298	0.466	0.0	1.0	36.7	52.2	-27.7	59.1	332	0.0	0.467	1.0
332	299	299	0.483	0.0	1.0	37.3	53.0	-27.0	59.5	332	0.0	0.483	1.0
333	300	300	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333	0.0	0.5	1.0

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LAB* h_{ab} , YN=0%, XY Znw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*rw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

TUB-test chart RE44; hue code: H*d=B75Rd
48 step hue circles; $rgb-LabCh$ *tables

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

Output: Offset standard print; separation cmyk6*, D65, page 15/38

LAB* test chart RE44; hue code: H*d=B75Rd										input: rgb/cmyk -> rgbd										output: 3D-linearization to cmyk*dd																							
48 step hue circles: rgb-LabCh*tables																																											
h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb*	rgb*	rgb*	Lab*	Lab*	Lab*	Lab*	rgb*	rgb*	rgb*	Lab*	Lab*	Lab*	Lab*	rgb*	rgb*	rgb*	Lab*	Lab*	Lab*	Lab*	rgb*	rgb*	rgb*	Lab*	Lab*	Lab*	Lab*	rgb*	rgb*	rgb*	Lab*	Lab*	Lab*	Lab*						
333	300	300	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333	0.043	0.0	1.0	26.7	26.5	-45.8	53.0	300	0.5	0.0	1.0	0.046	0.0	1.0	26.8	26.6	-45.7	53.0	300	0.5	0.0	1.0	0.046	0.0	1.0	26.8	26.6	-45.7	53.0	300	0.5	0.0	1.0
334	301	301	0.516	0.0	1.0	38.3	54.5	-25.7	60.3	334	0.056	0.0	1.0	27.1	27.3	-45.3	53.0	301	0.517	0.0	1.0	0.057	0.0	1.0	27.2	27.4	-45.3	53.0	301	0.517	0.0	1.0	0.057	0.0	1.0	27.2	27.4	-45.3	53.0	301	0.517	0.0	1.0
335	302	302	0.533	0.0	1.0	38.7	55.2	-25.2	60.6	335	0.068	0.0	1.0	27.5	28.1	-44.9	53.0	302	0.533	0.0	1.0	0.068	0.0	1.0	27.5	28.2	-44.8	53.0	302	0.533	0.0	1.0	0.068	0.0	1.0	27.5	28.2	-44.8	53.0	302	0.533	0.0	1.0
336	303	303	0.55	0.0	1.0	39.1	55.8	-24.6	61.0	336	0.08	0.0	1.0	27.9	28.9	-44.4	53.1	303	0.55	0.0	1.0	0.08	0.0	1.0	27.9	28.9	-44.4	53.1	303	0.55	0.0	1.0	0.08	0.0	1.0	27.9	28.9	-44.4	53.1	303	0.55	0.0	1.0
336	304	304	0.566	0.0	1.0	39.5	56.5	-24.0	61.4	336	0.092	0.0	1.0	28.3	29.7	-43.9	53.1	304	0.567	0.0	1.0	0.092	0.0	1.0	28.3	29.7	-43.9	53.1	304	0.567	0.0	1.0	0.091	0.0	1.0	28.3	29.7	-43.9	53.1	304	0.567	0.0	1.0
337	305	304	0.583	0.0	1.0	39.9	57.2	-23.4	61.8	337	0.104	0.0	1.0	28.7	30.5	-43.4	53.1	305	0.583	0.0	1.0	0.103	0.0	1.0	28.6	30.4	-43.5	53.1	304	0.583	0.0	1.0	0.103	0.0	1.0	28.6	30.4	-43.5	53.1	304	0.583	0.0	1.0
338	306	305	0.6	0.0	1.0	40.3	57.8	-22.8	62.2	338	0.116	0.0	1.0	29.0	31.2	-42.9	53.1	306	0.6	0.0	1.0	0.114	0.0	1.0	29.0	31.1	-43.0	53.1	305	0.6	0.0	1.0	0.114	0.0	1.0	29.0	31.1	-43.0	53.1	305	0.6	0.0	1.0
339	307	306	0.616	0.0	1.0	40.7	58.5	-22.1	62.5	339	0.13	0.0	1.0	29.4	32.0	-42.4	53.2	307	0.617	0.0	1.0	0.126	0.0	1.0	29.4	31.9	-42.5	53.2	306	0.617	0.0	1.0	0.126	0.0	1.0	29.4	31.9	-42.5	53.2	306	0.617	0.0	1.0
340	308	307	0.633	0.0	1.0	41.1	59.3	-21.4	63.0	340	0.151	0.0	1.0	29.8	32.8	-41.8	53.2	308	0.633	0.0	1.0	0.146	0.0	1.0	29.7	32.6	-42.0	53.2	307	0.633	0.0	1.0	0.146	0.0	1.0	29.7	32.6	-42.0	53.2	307	0.633	0.0	1.0
341	309	308	0.65	0.0	1.0	41.4	60.3	-20.5	63.7	341	0.172	0.0	1.0	30.2	33.5	-41.3	53.3	309	0.65	0.0	1.0	0.172	0.0	1.0	30.1	33.3	-41.5	53.2	308	0.65	0.0	1.0	0.166	0.0	1.0	30.1	33.3	-41.5	53.2	308	0.65	0.0	1.0
342	310	309	0.666	0.0	1.0	41.7	61.3	-19.7	64.3	342	0.193	0.0	1.0	30.6	34.3	-40.7	53.3	310	0.667	0.0	1.0	0.186	0.0	1.0	30.4	34.0	-40.9	53.3	309	0.667	0.0	1.0	0.186	0.0	1.0	30.4	34.0	-40.9	53.3	309	0.667	0.0	1.0
343	311	310	0.683	0.0	1.0	41.9	62.2	-18.8	65.0	343	0.214	0.0	1.0	30.9	35.0	-40.2	53.3	311	0.683	0.0	1.0	0.214	0.0	1.0	30.8	34.7	-40.4	53.3	310	0.683	0.0	1.0	0.205	0.0	1.0	30.8	34.7	-40.4	53.3	310	0.683	0.0	1.0
344	312	311	0.7	0.0	1.0	42.2	63.2	-17.8	65.6	344	0.234	0.0	1.0	31.3	35.7	-39.6	53.4	312	0.7	0.0	1.0	0.234	0.0	1.0	31.1	35.4	-39.8	53.4	311	0.7	0.0	1.0	0.225	0.0	1.0	31.1	35.4	-39.8	53.4	311	0.7	0.0	1.0
345	313	312	0.716	0.0	1.0	42.5	64.1	-16.9	66.3	345	0.252	0.0	1.0	31.6	36.5	-39.0	53.5	313	0.717	0.0	1.0	0.252	0.0	1.0	31.5	36.1	-39.3	53.4	312	0.717	0.0	1.0	0.245	0.0	1.0	31.5	36.1	-39.3	53.4	312	0.717	0.0	1.0
346	314	313	0.733	0.0	1.0	42.8	65.0	-15.9	66.9	346	0.261	0.0	1.0	31.8	37.3	-38.5	53.7	314	0.733	0.0	1.0	0.261	0.0	1.0	31.7	36.8	-38.8	53.6	313	0.733	0.0	1.0	0.256	0.0	1.0	31.7	36.8	-38.8	53.6	313	0.733	0.0	1.0
347	315	314	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347	0.27	0.0	1.0	31.9	38.2	-38.1	54.0	315	0.75	0.0	1.0	0.27	0.0	1.0	31.8	37.7	-38.4	53.8	314	0.75	0.0	1.0	0.265	0.0	1.0	31.8	37.7	-38.4	53.8	314	0.75	0.0	1.0
347	316	315	0.766	0.0	1.0	43.5	66.4	-14.5	68.0	347	0.279	0.0	1.0	32.1	39.0	-37.6	54.2	316	0.767	0.0	1.0	0.279	0.0	1.0	32.0	38.5	-37.9	54.1	315	0.767	0.0	1.0	0.273	0.0	1.0	32.0	38.5	-37.9	54.1	315	0.767	0.0	1.0
348	317	316	0.783	0.0	1.0	43.8	66.9	-14.1	68.4	348	0.288	0.0	1.0	32.3	39.8	-37.1	54.5	317	0.783	0.0	1.0	0.288	0.0	1.0	32.1	39.3	-37.4	54.3	316	0.783	0.0	1.0	0.282	0.0	1.0	32.1	39.3	-37.4	54.3	316	0.783	0.0	1.0
348	318	317	0.8	0.0	1.0	44.2	67.3	-13.7	68.7	348	0.297	0.0	1.0	32.4	40.7	-36.5	54.7	318	0.8	0.0	1.0	0.297	0.0	1.0	32.3	40.0	-36.9	54.5	317	0.8	0.0	1.0	0.29	0.0	1.0	32.3	40.0	-36.9	54.5	317	0.8	0.0	1.0
348	319	318	0.816	0.0	1.0	44.6	67.8	-13.3	69.1	348	0.306	0.0	1.0	32.6	41.5	-36.0	55.0	319	0.817	0.0	1.0	0.306	0.0	1.0	32.4	40.8	-36.4	54.8	318	0.817	0.0	1.0	0.299	0.0	1.0	32.4	40.8	-36.4	54.8	318	0.817	0.0	1.0
349	320	319	0.833	0.0	1.0	45.0	68.3	-12.9	69.5	349	0.315	0.0	1.0	32.7	42.3	-35.4	55.2	320	0.833	0.0	1.0	0.315	0.0	1.0	32.6	41.6	-35.9	55.0	319	0.833	0.0	1.0	0.307	0.0	1.0	32.6	41.6	-35.9	55.0	319	0.833	0.0	1.0
349	321	320	0.85	0.0	1.0	45.3	68.8	-12.5	69.9	349	0.324	0.0	1.0	32.9	43.1	-34.8	55.5	321	0.85	0.0	1.0	0.324	0.0	1.0	32.7	42.4	-35.4	55.3	320	0.85	0.0	1.0	0.315	0.0	1.0	32.7	42.4	-35.4	55.3	320	0.85	0.0	1.0
350	322	321	0.866	0.0	1.0	45.7	69.2	-12.1	70.3	350	0.333	0.0	1.0	33.1	43.9	-34.2	55.8	322	0.867	0.0	1.0	0.333	0.0	1.0	32.9	43.2	-34.8	55.5	321	0.867	0.0	1.0	0.324	0.0	1.0	32.9	43.2	-34.8	55.5	321	0.867	0.0	1.0
350	323	321	0.883	0.0	1.0	46.1	69.7	-11.7	70.7	350	0.342	0.0	1.0	33.2	44.7	-33.6	56.0	323	0.883	0.0	1.0	0.342	0.0	1.0	33.0	43.9	-34.2	55.7	321	0.883	0.0	1.0	0.332	0.0	1.0	33.0	43.9	-34.2	55.7	321	0.883	0.0	1.0
350	324	322	0.9	0.0	1.0	46.4	70.1	-11.2	71.0	350	0.351	0.0	1.0	33.4	45.5	-33.0	56.3	324	0.9	0.0	1.0	0.351	0.0	1.0	33.2	44.7	-33.7	56.0	322	0.9	0.0	1.0	0.341	0.0	1.0	33.2	44.7	-33.7	56.0	322	0.9	0.0	1.0
351	325	323	0.916	0.0	1.0	46.7	70.6	-10.8	71.4	351	0.359	0.0	1.0	33.5	46.3	-32.3	56.5	325	0.917	0.0	1.0	0.359	0.0	1.0	33.4	45																	

n/f	H*Ch*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmyn*_sep_Fid	rgb*Mid	hsa_Mid	LabCh*Mid	cmyn*_sep_Mid	rgb*Mid	hsa_Mid	LabCh*Mid	cmyn*_sep_Mid	delta
0/648	R00Y_100_100ad	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1/648	R13Y_100_100ad	0.0	0.125	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
8/720	Y00C_100_100ad	1.0	1.0	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
9/639	Y13C_100_100ad	0.875	1.0	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
10/658	Y25C_100_100ad	0.75	1.0	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
11/477	Y38C_100_100ad	0.625	1.0	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
12/396	Y50C_100_100ad	0.5	1.0	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
13/315	Y63C_100_100ad	0.375	1.0	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
14/234	Y75C_100_100ad	0.25	1.0	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
15/153	Y88C_100_100ad	0.125	1.0	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
16/72	G00C_100_100ad	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17/73	G13C_100_100ad	0.0	0.125	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18/74	G25C_100_100ad	0.0	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19/75	G38C_100_100ad	0.0	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20/76	G50C_100_100ad	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21/77	G63C_100_100ad	0.0	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22/78	G75C_100_100ad	0.0	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23/79	G88C_100_100ad	0.0	0.875	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24/80	C00B_100_100ad	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25/71	C13B_100_100ad	0.0	0.875	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26/62	C25B_100_100ad	0.0	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27/63	C38B_100_100ad	0.0	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28/44	C50B_100_100ad	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29/35	C63B_100_100ad	0.0	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30/26	C75B_100_100ad	0.0	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31/17	C88B_100_100ad	0.0	0.125	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32/8	B00M_100_100ad	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33/89	B13M_100_100ad	0.125	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34/170	B25M_100_100ad	0.25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35/251	B38M_100_100ad	0.375	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36/332	B50M_100_100ad	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37/413	B63M_100_100ad	0.625	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38/494	B75M_100_100ad	0.75	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39/575	B88M_100_100ad	0.875	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40/656	M00R_100_100ad	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41/655	M13R_100_100ad	1.0	0.0	0.875	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42/654	M25R_100_100ad	1.0	0.0	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43/653	M38R_100_100ad	1.0	0.0	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44/652	M50R_100_100ad	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45/651	M63R_100_100ad	1.0	0.0	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46/650	M75R_100_100ad	1.0	0.0	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47/649	M88R_100_100ad	1.0	0.0	0.125	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
49/0	NW_000ad	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
50/91	NW_013ad	0.125	0.125	0.125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51/182	NW_025ad	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52/273	NW_038ad	0.375	0.375	0.375	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53/364	NW_050ad	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54/455	NW_063ad	0.625	0.625	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55/546	NW_075ad	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56/637	NW_088ad	0.875	0.875	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57/728	NW_100ad	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TUB material: code=rha4ta
nyn6* (CMYK)

input: *rgb/cmyk* → *rgb_{dd}*
output: 3D-linearization to *cmyk_{dd}*

TUB-test chart RE44; hue code: $H^*_d=B75R_d$
colors and differences, ΔE^*

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1-1031830-F0

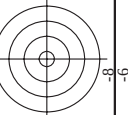
HIC- τ_{Fid}										LabCh τ_{Fid}										cmyn τ_{sepFid}										HsN τ_{Fid}										rgb τ_{Fid}										LabCh τ_{Mid}									
n/j	HIC τ_{Fid}		Hs τ_{Fid}		rgb τ_{Fid}		tcr τ_{Fid}		Hs τ_{Fid}		rgb τ_{Fid}		LabCh τ_{Fid}		cmyn τ_{sepFid}		HsN τ_{Fid}		rgb τ_{Fid}		LabCh τ_{Mid}																																						
1/6/648	R00Y_100_1000d	1.0	0.0	0.0	1.0	1.0	0.5	0.5	390	44	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	1.0	0.0	47.3	63.8	41.2	76.0	32.8																																	
2/684	R20Y_100_1000d	1.0	0.25	0.0	1.0	1.0	0.5	0.5	44	1.0	0.233	0.0	0.0	55.3	45.8	52.2	69.5	48.7	0.0	0.765	1.0	0.0	55.3	45.8	52.2	69.5	48.7																																
3/702	R50Y_100_1000d	1.0	0.75	0.0	1.0	1.0	0.5	0.5	76	1.0	0.766	0.0	0.0	67.2	22.6	67.6	71.2	71.4	0.0	0.498	0.999	0.0	67.2	22.6	67.6	71.2	71.4																																
4/720	R50Y_100_1000d	1.0	1.0	0.0	1.0	1.0	0.5	0.5	90	1.0	1.0	0.0	0.0	88.3	-11.9	83.9	83.9	89.2	0.0	0.234	1.0	0.0	88.3	-11.9	83.9	83.9	89.2																																
5/558	Y25G_100_1000d	0.75	1.0	0.0	1.0	1.0	0.5	0.5	104	1.0	0.766	1.0	0.0	88.3	-19.2	83.7	85.8	97.1	0.0	0.0	0.999	0.0	88.3	-19.2	83.7	85.8	97.1																																
6/396	Y50G_100_1000d	0.5	1.0	0.0	1.0	1.0	0.5	0.5	120	0.5	1.0	0.0	0.0	72.7	-31.3	66.0	73.1	115.3	0.0	0.498	0.0	0.0	72.7	-31.3	66.0	73.1	115.3																																
7/234	Y75G_100_1000d	0.25	1.0	0.0	1.0	1.0	0.5	0.5	136	0.233	1.0	0.0	0.0	60.4	-48.8	46.7	67.6	136.2	0.0	0.766	0.0	0.0	60.4	-48.8	46.7	67.6	136.2																																
8/72	G00B_100_1000d	0.0	1.0	0.0	1.0	1.0	0.5	0.5	150	0.0	1.0	0.0	0.0	51.9	-68.8	28.1	74.3	157.7	0.0	0.999	0.0	0.0	51.9	-68.8	28.1	74.3	157.7																																
9/776	G00B_100_1000d	0.0	1.0	0.0	1.0	1.0	0.5	0.5	150	0.0	1.0	0.0	0.0	51.9	-68.8	28.1	74.3	157.7	0.0	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157.7																																
10/76	G25B_100_1000d	0.0	1.0	0.5	1.0	1.0	0.5	0.5	180	0.0	1.0	0.5	0.5	54.8	-51.0	12.3	52.5	193.5	0.0	0.0	0.498	0.0	54.8	-51.0	12.3	52.5	193.5																																
11/180	G50B_100_1000d	0.0	1.0	1.0	1.0	1.0	0.5	0.5	240	0.0	1.0	1.0	0.5	58.3	-29.2	-43.7	52.6	236.1	0.0	0.0	0.0	58.3	-29.2	-43.7	52.6	236.1																																	
12/144	G75B_100_1000d	0.0	0.5	1.0	1.0	1.0	0.5	0.5	240	0.0	0.5	1.0	0.5	42.7	-6.0	-45.0	45.4	262.3	0.0	0.0	0.0	42.7	-6.0	-45.0	45.4	262.3																																	
13/138	B00M_100_1000d	0.0	1.0	1.0	1.0	1.0	0.5	0.5	270	0.0	1.0	1.0	0.5	25.3	-47.3	52.8	296.4	0.0	1.0	0.0	0.0	25.3	-47.3	52.8	296.4	0.0																																	
14/332	B25R_100_1000d	0.5	0.0	1.0	1.0	1.0	0.5	0.5	300	0.5	0.0	1.0	0.5	37.8	53.8	-26.3	59.9	333.9	0.5	0.0	0.0	37.8	53.8	-26.3	59.9	333.9																																	
15/656	B50R_100_1000d	1.0	0.0	1.0	1.0	1.0	0.5	0.5	330	1.0	0.0	1.0	0.5	48.2	72.8	-8.5	73.3	353.3	1.0	0.0	0.0																																						

see similar files: <http://130.149.60.45/~farbmatrik/RE44/RE44.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart RE44; hue code: H_d^{*}=B75R_d^{*}
colors and differences. ΔE^*

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

i	j	HIC ⁺ Fold		rgb ⁺ Fold		iCr ⁺ Fold		hsa ⁺ Fold		rgb ⁺ Fold		LabCh ⁺ Fold		cmvri ⁺ *sep ⁺ Fold		hsa ⁺ Δad		rgb ⁺ Δad		LabCh ⁺ Δad	
		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
1	1	NW_000Δad	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
2	1	BORR_012_012Δad	0.0	0.125	0.125	0.062	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
3	2	BORR_025_025Δad	0.0	0.25	0.25	0.125	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
4	3	BORR_037_037Δad	0.0	0.375	0.375	0.187	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
5	4	BORR_050_050Δad	0.0	0.5	0.5	0.25	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
6	5	BORR_062_062Δad	0.0	0.625	0.625	0.312	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
7	6	BORR_075_075Δad	0.0	0.75	0.75	0.375	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
8	7	BORR_087_087Δad	0.0	0.875	0.875	0.437	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
9	8	BORR_100_100Δad	0.0	1.0	1.0	0.5	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
10	9	G50B_012_012Δad	0.0	0.125	0.125	0.062	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
11	10	G50B_025_025Δad	0.0	0.125	0.125	0.062	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
12	11	G50B_037_037Δad	0.0	0.125	0.125	0.062	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
13	12	G48B_050_050Δad	0.0	0.125	0.375	0.375	0.187	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
14	13	G48B_062_062Δad	0.0	0.125	0.5	0.5	0.25	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
15	14	G50B_075_075Δad	0.0	0.125	0.625	0.625	0.312	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
16	15	G50B_087_087Δad	0.0	0.125	0.75	0.75	0.375	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
17	16	G38B_100_100Δad	0.0	0.125	0.875	0.875	0.437	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
18	17	G48B_100_100Δad	0.0	0.125	1.0	1.0	0.5	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
19	18	G50B_025_025Δad	0.0	0.25	0.25	0.125	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
20	19	G50B_037_037Δad	0.0	0.25	0.25	0.125	0.0	0.0	0.0	0.0											



TUB material: code=rha4ta
nyn6* (CMYK)

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

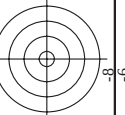
TUB-test chart RE44, hue code: H_d^{*}=B75R_d^{*}
 colors and differences, ΔE^*

	C	M	Y
1	39.12	38.62	28.86
2	50.88	42.51	28.86
3	44.26	55.56	28.86
4	38.62	63.51	28.86
5	28.86	68.80	28.86
6	28.86	63.51	39.12
7	28.86	55.56	50.88
8	28.86	42.51	63.51
9	28.86	38.62	68.80
10	39.12	38.62	63.51
11	50.88	42.51	55.56
12	44.26	55.56	42.51
13	38.62	63.51	38.62
14	28.86	68.80	39.12
15	28.86	63.51	50.88
16	28.86	55.56	63.51
17	28.86	42.51	68.80
18	28.86	38.62	63.51
19	39.12	38.62	55.56
20	50.88	42.51	42.51
21	44.26	55.56	38.62
22	38.62	63.51	39.12
23	28.86	68.80	50.88
24	28.86	63.51	63.51
25	28.86	55.56	68.80
26	28.86	42.51	63.51
27	28.86	38.62	55.56
28	39.12	38.62	42.51
29	50.88	42.51	38.62
30	44.26	55.56	39.12
31	38.62	63.51	50.88
32	28.86	68.80	63.51
33	28.86	63.51	68.80
34	28.86	55.56	63.51
35	28.86	42.51	55.56
36	28.86	38.62	42.51
37	39.12	38.62	38.62
38	50.88	42.51	39.12
39	44.26	55.56	50.88
40	38.62	63.51	63.51
41	28.86	68.80	68.80
42	28.86	63.51	63.51
43	28.86	55.56	55.56
44	28.86	42.51	42.51
45	28.86	38.62	38.62
46	39.12	38.62	39.12
47	50.88	42.51	50.88
48	44.26	55.56	55.56
49	38.62	63.51	63.51
50	28.86	68.80	68.80
51	28.86	63.51	63.51
52	28.86	55.56	55.56
53	28.86	42.51	42.51
54	28.86	38.62	38.62
55	39.12	38.62	39.12
56	50.88	42.51	50.88
57	44.26	55.56	55.56
58	38.62	63.51	63.51
59	28.86	68.80	68.80
60	28.86	63.51	63.51
61	28.86	55.56	55.56
62	28.86	42.51	42.51
63	28.86	38.62	38.62
64	39.12	38.62	39.12
65	50.88	42.51	50.88
66	44.26	55.56	55.56
67	38.62	63.51	63.51
68	28.86	68.80	68.80
69	28.86	63.51	63.51
70	28.86	55.56	55.56
71	28.86	42.51	42.51
72	28.86	38.62	38.62
73	39.12	38.62	39.12
74	50.88	42.51	50.88
75	44.26	55.56	55.56
76	38.62	63.51	63.51
77	28.86	68.80	68.80
78	28.86	63.51	63.51
79	28.86	55.56	55.56
80	28.86	42.51	42.51
81	28.86	38.62	38.62
82	39.12	38.62	39.12
83	50.88	42.51	50.88
84	44.2		

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

<i>n</i>	HIC ^{Full}	<i>rgb^{Full}</i>	<i>lcr^{Full}</i>	<i>h_g^{Full}</i>	<i>rgb^{Mid}</i>	<i>LabCh^{Full}</i>	<i>h_{an}^{Full}</i>	<i>rgb^{Mid}</i>	<i>LabCh^{Mid}</i>	<i>delta</i>
162	R00Y_025_025ad	0.25	0.0	0.25	0.0	0.0	25.1	15.9	10.3	32.8
163	R00Y_025_025ad	0.25	0.0	0.125	0.0	0.0	25.2	16.9	3.5	17.2
164	B50R_025_025ad	0.25	0.125	0.25	0.0	0.0	25.3	18.2	-2.1	18.3
165	B34R_037_037ad	0.25	0.375	0.187	0.0	0.0	25.8	26.3	-23.3	-7.0
166	B25R_050_050ad	0.25	0.5	0.25	0.0	0.0	27.7	26.9	-19.3	29.9
167	B19R_062_062ad	0.25	0.625	0.312	0.0	0.0	32.9	30.0	-13.1	35.7
168	B13R_075_075ad	0.25	0.75	0.375	0.0	0.0	31.8	-26.5	41.4	320.2
169	B13R_087_087ad	0.25	0.875	0.437	0.0	0.0	33.1	31.4	-33.5	37.8
170	B11R_100_100ad	0.25	1.0	0.5	0.0	0.0	35.6	-39.6	53.3	311.9
171	R50Y_025_025ad	0.25	0.125	0.0	0.0	0.0	30.2	5.6	17.8	71.4
172	R00Y_025_012ad	0.25	0.25	0.125	0.0	0.0	31.1	7.9	5.1	9.5
173	B50R_025_012ad	0.25	0.125	0.187	0.0	0.0	31.2	9.1	-1.0	9.1
174	B25R_037_025ad	0.25	0.375	0.25	0.0	0.0	32.4	13.4	-6.5	14.9
175	B15R_050_037ad	0.25	0.5	0.375	0.0	0.0	33.0	15.9	-13.2	20.7
176	B11R_062_050ad	0.25	0.625	0.375	0.0	0.0	34.2	17.8	-19.8	26.6
177	B09R_075_062ad	0.25	0.75	0.437	0.0	0.0	35.3	21.2	-25.6	33.2
178	B07R_087_075ad	0.25	0.875	0.5	0.0	0.0	36.4	24.5	-31.4	39.9
179	B06R_100_087ad	0.25	1.0	0.875	0.0	0.0	37.7	28.1	-37.0	46.5
180	Y00G_025_012ad	0.25	0.125	0.0	0.0	0.0	35.3	-2.9	23.9	97.1
181	Y00G_025_012ad	0.25	0.125	0.187	0.0	0.0	36.2	-1.4	11.8	11.9
182	Y00G_025_012ad	0.25	0.125	0.312	0.0	0.0	37.1	0.0	0.0	0.0
183	B00R_050_025ad	0.25	0.375	0.25	0.0	0.0	38.1	5.9	-9.8	6.9
184	B00R_050_025ad	0.25	0.375	0.375	0.0	0.0	39.0	13.2	29.6	4.4
185	B00R_062_037ad	0.25	0.625	0.437	0.0	0.0	40.9	17.7	19.8	29.6
186	B00R_075_050ad	0.25	0.75	0.5	0.0	0.0	42.5	20.5	-26.5	29.6
187	B00R_087_062ad	0.25	0.875	0.562	0.0	0.0	43.7	23.0	-29.6	29.6
188	B00R_100_075ad	0.25	1.0	0.75	0.0	0.0	44.8	25.5	-33.0	29.6
189	Y31G_037_037ad	0.25	0.375	0.187	0.0	0.0	41.6	17.6	-35.5	39.0
190	Y50G_037_025ad	0.25	0.625	0.187	0.0	0.0	41.2	-7.8	16.5	18.2
191	G50B_037_012ad	0.25	0.375	0.125	0.0	0.0	42.4	-3.6	3.5	9.2
192	G50B_037_012ad	0.25	0.375	0.25	0.0	0.0	43.4	-1.5	-11.2	11.3
193	G84B_062_037ad	0.25	0.625	0.375	0.0	0.0	43.9	1.9	-17.2	17.3
194	G88B_075_062ad	0.25	0.75	0.5	0.0	0.0	44.6	5.2	-23.1	23.7
195	G88B_075_062ad	0.25	0.75	0.625	0.0	0.0	45.3	8.5	-29.1	30.4
196	G90B_087_062ad	0.25	0.875	0.625	0.0	0.0	46.0	11.8	-35.1	37.1
197	G92B_100_075ad	0.25	1.0	0.75	0.0	0.0	46.1	11.8	-35.1	37.1
198	Y50G_05									

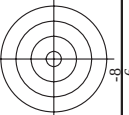
REF440-7N, Page 22/33-F



TUB material: code=rha4ta
nyn6* (CMYK)

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

1-1032230-F0



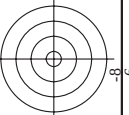
TUB material: code=rha4ta
nyn6* (CMYK)

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

1032330-H0
RE440-7N, Page 24/33-F

RF440-7N. Page 24/33-F





TUB material: code=rha4ta
nyn6* (CMYK)

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

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

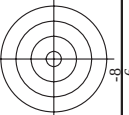
<i>n</i>	<i>HIC</i> ^{Fold}	<i>rgb</i> ^{Fold}	<i>ict</i> ^{Fold}	<i>hsa</i> ^{Fold}	<i>rbp</i> ^{Fold}	<i>LabCH</i> ^{Fold}	<i>cmym</i> ^{exp,Fold}	<i>hsa</i> ^{Mid}	<i>rgb</i> ^{Mid}	<i>LabCH</i> ^{Mid}	<i>delta</i>
405	R00Y_062_062ad	0.625	0.0	0.625	0.625	390	0.0	399	1.0	0.0	760
406	R31Y_062_062ad	0.625	0.125	0.625	0.625	379	0.0	380	1.0	0.0	32.8
407	R11Y_062_062ad	0.625	0.0	0.625	0.625	362	0.0	367	1.0	0.0	26.4
408	B69R_062_062ad	0.625	0.0	0.375	0.625	353	0.0	352	1.0	0.0	69.6
409	B59R_062_062ad	0.625	0.0	0.625	0.625	341	0.0	339	1.0	0.0	6.2
410	B59R_062_062ad	0.625	0.0	0.625	0.625	341	0.0	339	1.0	0.0	358.3
411	B42R_075_075ad	0.625	0.0	0.75	0.637	321	0.0	322	1.0	0.0	48.2
412	B36R_087_087ad	0.625	0.0	0.875	0.641	307	0.0	315	1.0	0.0	72.8
413	B31R_100_100ad	0.625	0.0	1.0	0.633	308	0.0	308	1.0	0.0	353.3
414	R18Y_062_062ad	0.625	0.125	0.625	0.633	41	0.0	39	1.0	0.183	66.9
415	R00Y_062_050ad	0.625	0.125	0.625	0.625	390	0.0	389	1.0	0.0	349.6
416	R26Y_062_050ad	0.625	0.125	0.625	0.625	404	0.0	377	1.0	0.0	15.9
417	R00Y_062_050ad	0.625	0.125	0.625	0.625	360	0.0	360	1.0	0.0	71.1
418	B61R_062_050ad	0.625	0.125	0.625	0.625	344	0.0	342	1.0	0.0	359.8
419	R00Y_062_050ad	0.625	0.125	0.625	0.625	330	0.0	320	1.0	0.0	73.3
420	B40R_075_062ad	0.625	0.125	0.75	0.637	319	0.0	320	1.0	0.0	348.8
421	B34R_087_075ad	0.625	0.125	0.875	0.637	311	0.0	311	1.0	0.0	348.8
422	B29R_100_087ad	0.625	0.125	1.0	0.633	305	0.0	305	1.0	0.0	343.1
423	R38Y_062_062ad	0.625	0.125	0.625	0.625	53	0.0	52	1.0	0.383	61.8
424	R23Y_062_050ad	0.625	0.125	0.625	0.625	44	0.0	42	1.0	0.233	32.5
425	R00Y_062_037ad	0.625	0.125	0.625	0.625	390	0.0	389	1.0	0.0	45.8
426	R00Y_062_037ad	0.625	0.125	0.625	0.625	384	0.0	384	1.0	0.0	60.8
427	B65R_062_037ad	0.625	0.125	0.625	0.625	340	0.0	340	1.0	0.0	32.8
428	R00Y_062_037ad	0.625	0.125	0.625	0.625	330	0.0	320	1.0	0.0	35.3
429	B38R_075_050ad	0.625	0.125	0.75	0.637	316	0.0	317	1.0	0.0	68.3
430	B30R_087_062ad	0.625	0.125	0.875	0.637	307	0.0	307	1.0	0.0	69.7
431	R25R_100_075ad	0.625	0.125	1.0	0.633	300	0.0	300	1.0	0.0	69.7
432	R61Y_062_062ad	0.625	0.125	0.625	0.625	67	0.0	67	1.0	0.0	69.7
433	R50Y_062_062ad	0.625	0.125	0.625	0.625	43	0.0	43	1.0	0.0	71.4
434	R31Y_062_037ad	0.625	0.125	0.625	0.625	390	0.0	389	1.0	0.0	55.9
435	R00Y_062_050ad	0.625	0.125	0.625	0.625	360	0.0	360	1.0	0.0	32.8
436	R00Y_062_050ad	0.625	0.125	0.625	0.625	330	0.0	330	1.0	0.0	69.1
437	B34R_075_037ad	0.625	0.125	0.625	0.625	311	0.0	311	1.0	0.0	71.4
438	R25R_087_050ad	0.625	0.125	0.875	0.625	300	0.0	300	1.0	0.0	353.3
439	R19R_100_062ad	0.625	0.125	1.0	0.625	293	0.0	292	1.0	0.0	343.1
440	R81Y_062_062ad	0.625	0.125	0.625	0.625	51	0.0	51	1.0	0.0	37.3
441	R81Y_062_062ad	0.625	0.125	0.625	0.625	51	0.0	51	1.0	0.0	35.3
442	R68Y_062_037ad	0.625	0.125	0.625	0.625	71	0.0	71	1.0	0.0	32.8
443	R68Y_062_037ad	0.625	0.125	0.625	0.625	71	0.0	71	1.0	0.0	32.8
444	R50Y_062_012ad	0.625	0.125	0.625	0.625	390	0.0	389	1.0	0.0	32.8
445	R00Y_062_012ad	0.625	0.125	0.625	0.625	360	0.0	360	1.0	0.0	32.8
446	R50R_062_012ad	0.625	0.125	0.625	0.625	330	0.0	330	1.0	0.0	32.8
447	B25R_075_025ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
448	B15R_087_037ad	0.625	0.125	0.875	0.618	284	0.0	282	1.0	0.0	32.8
449	B11R_100_050ad	0.625	0.125	1.0	0.618	284	0.0	282	1.0	0.0	32.8
450	Y00G_062_062ad	0.625	0.125	0.625	0.625	312	0.0	312	1.0	0.0	32.8
451	Y00G_062_050ad	0.625	0.125	0.625	0.625	300	0.0	300	1.0	0.0	32.8
452	Y00G_062_037ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
453	Y00G_062_037ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
454	Y00G_062_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
455	NW_062ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
456	B00R_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
457	B00R_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
458	B00R_100_037ad	0.625	0.125	1.0	0.625	289	0.0	288	1.0	0.0	32.8
459	Y15G_075_075ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
460	Y15G_075_062ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
461	Y15G_075_062ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
462	Y15G_075_037ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
463	Y15G_075_037ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
464	Y15G_075_037ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
465	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
466	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
467	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
468	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
469	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
470	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
471	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
472	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
473	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
474	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
475	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
476	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
477	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
478	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
479	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
480	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
481	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
482	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
483	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
484	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8
485	G50B_075_012ad	0.625	0.125	0.625	0.625	289	0.0	288	1.0	0.0	32.8

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n	HC*Field	rgb_Field	icr_Field	hsa_Field	rgb*Field	LabCh*Field	cmyk*sep.Field	hsa*id	rgb*id	LabCh*id	delta
648	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
649	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
650	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
651	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
652	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
653	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
654	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
655	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
656	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
657	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
658	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
659	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
660	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
661	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
662	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
663	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
664	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
665	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
666	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
667	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
668	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
669	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
670	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
671	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
672	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
673	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
674	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
675	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
676	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
677	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
678	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
679	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
680	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
681	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
682	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
683	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
684	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
685	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
686	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
687	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
688	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
689	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
690	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
691	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
692	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
693	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
694	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
695	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
696	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
697	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
698	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
699	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
700	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
701	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
702	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
703	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
704	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
705	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
706	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
707	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
708	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
709	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
710	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
711	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
712	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
713	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
714	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
715	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
716	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
717	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
718	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
719	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
720	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
721	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
722	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
723	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
724	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
725	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
726	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
727	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0
728	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.3	63.8	389	1.0	0.0	0.0

n	HC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmyn*sep_Fid	hax*id	rgb*id	LabCh*id	delta
729	NW_100ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
730	G50B_100.012ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
731	G50B_100.025ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
732	G50B_100.037ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
733	G50B_100.050ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
734	G50B_100.062ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
735	G50B_100.075ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
736	G50B_100.087ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
737	G50B_100.100ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
738	ROY_100.012ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
739	ROY_100.025ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
740	ROY_100.037ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
741	ROY_100.050ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
742	ROY_100.062ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
743	ROY_100.075ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
744	ROY_100.087ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
745	ROY_100.100ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
746	ROY_100.012ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
747	ROY_100.025ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
748	ROY_100.037ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
749	ROY_100.050ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
750	ROY_100.062ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
751	ROY_100.075ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
752	ROY_100.087ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
753	ROY_100.100ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
754	ROY_100.012ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
755	ROY_100.025ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
756	ROY_100.037ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
757	ROY_100.050ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
758	ROY_100.062ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
759	ROY_100.075ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
760	ROY_100.087ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
761	ROY_100.100ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
762	ROY_100.012ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
763	ROY_100.025ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
764	ROY_100.037ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
765	ROY_100.050ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
766	ROY_100.062ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
767	ROY_100.075ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
768	ROY_100.087ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
769	ROY_100.100ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
770	ROY_100.012ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
771	ROY_100.025ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
772	ROY_100.037ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
773	ROY_100.050ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
774	ROY_100.062ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
775	ROY_100.075ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
776	ROY_100.087ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
777	ROY_100.100ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
778	ROY_100.012ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
779	ROY_100.025ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
780	ROY_100.037ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
781	ROY_100.050ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
782	ROY_100.062ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
783	ROY_100.075ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
784	ROY_100.087ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
785	ROY_100.100ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
786	ROY_100.012ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
787	ROY_100.025ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
788	ROY_100.037ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
789	ROY_100.050ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
790	ROY_100.062ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
791	ROY_100.075ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
792	ROY_100.087ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
793	ROY_100.100ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
794	ROY_100.012ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
795	ROY_100.025ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
796	ROY_100.037ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
797	ROY_100.050ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
798	ROY_100.062ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
799	ROY_100.075ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
800	ROY_100.087ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
801	ROY_100.100ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
802	ROY_100.012ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
803	ROY_100.025ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
804	ROY_100.037ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
805	ROY_100.050ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
806	ROY_100.062ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
807	ROY_100.075ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
808	ROY_100.087ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0
809	ROY_100.100ad	0.875	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4	0.0



TUB material: code=rha4ta
nyn6* (CMYK)

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

[illegible]

n	HVC-Fid	rgb-Fid	lch-Fid	hsa-Fid	rgb*Fid	LabCH*Fid	cmyk*_sep-Fid	hsa*id	rgb*id	LabCH*id
972	NW_000ad	0.0	0.0	0.0	0.0	17.7	0.0	360	1.0	95.4
973	NW_012ad	0.125	0.125	0.125	0.125	17.7	0.0	360	1.0	95.4
974	NW_025ad	0.25	0.25	0.25	0.25	37.1	0.0	360	1.0	95.4
975	NW_037ad	0.375	0.375	0.375	0.375	46.8	0.0	360	1.0	95.4
976	NW_050ad	0.5	0.5	0.5	0.5	56.5	0.0	360	1.0	95.4
977	NW_062ad	0.625	0.625	0.625	0.625	66.3	0.0	360	1.0	95.4
978	NW_075ad	0.75	0.75	0.75	0.75	76.0	0.0	360	1.0	95.4
979	NW_087ad	0.875	0.875	0.875	0.875	85.7	0.0	360	1.0	95.4
980	NW_100ad	1.0	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4
981	NW_000ad	0.0	0.0	0.0	0.0	17.7	0.0	360	1.0	95.4
982	NW_012ad	0.125	0.125	0.125	0.125	27.4	0.0	360	1.0	95.4
983	NW_025ad	0.25	0.25	0.25	0.25	37.1	0.0	360	1.0	95.4
984	NW_037ad	0.375	0.375	0.375	0.375	46.8	0.0	360	1.0	95.4
985	NW_050ad	0.5	0.5	0.5	0.5	56.5	0.0	360	1.0	95.4
986	NW_062ad	0.625	0.625	0.625	0.625	66.3	0.0	360	1.0	95.4
987	NW_075ad	0.75	0.75	0.75	0.75	76.0	0.0	360	1.0	95.4
988	NW_087ad	0.875	0.875	0.875	0.875	85.7	0.0	360	1.0	95.4
989	NW_100ad	1.0	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4
990	NW_000ad	0.0	0.0	0.0	0.0	17.7	0.0	360	1.0	95.4
991	NW_012ad	0.125	0.125	0.125	0.125	27.4	0.0	360	1.0	95.4
992	NW_025ad	0.25	0.25	0.25	0.25	37.1	0.0	360	1.0	95.4
993	NW_037ad	0.375	0.375	0.375	0.375	46.8	0.0	360	1.0	95.4
994	NW_050ad	0.5	0.5	0.5	0.5	56.5	0.0	360	1.0	95.4
995	NW_062ad	0.625	0.625	0.625	0.625	66.3	0.0	360	1.0	95.4
996	NW_075ad	0.75	0.75	0.75	0.75	76.0	0.0	360	1.0	95.4
997	NW_087ad	0.875	0.875	0.875	0.875	85.7	0.0	360	1.0	95.4
998	NW_100ad	1.0	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4
999	NW_000ad	0.0	0.0	0.0	0.0	17.7	0.0	360	1.0	95.4
1000	NW_012ad	0.125	0.125	0.125	0.125	27.4	0.0	360	1.0	95.4
1001	NW_025ad	0.25	0.25	0.25	0.25	37.1	0.0	360	1.0	95.4
1002	NW_037ad	0.375	0.375	0.375	0.375	46.8	0.0	360	1.0	95.4
1003	NW_050ad	0.5	0.5	0.5	0.5	56.5	0.0	360	1.0	95.4
1004	NW_062ad	0.625	0.625	0.625	0.625	66.3	0.0	360	1.0	95.4
1005	NW_075ad	0.75	0.75	0.75	0.75	76.0	0.0	360	1.0	95.4
1006	NW_087ad	0.875	0.875	0.875	0.875	85.7	0.0	360	1.0	95.4
1007	NW_100ad	1.0	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4
1008	NW_000ad	0.0	0.0	0.0	0.0	17.7	0.0	360	1.0	95.4
1009	NW_012ad	0.125	0.125	0.125	0.125	27.4	0.0	360	1.0	95.4
1010	NW_025ad	0.25	0.25	0.25	0.25	37.1	0.0	360	1.0	95.4
1011	NW_037ad	0.375	0.375	0.375	0.375	46.8	0.0	360	1.0	95.4
1012	NW_050ad	0.5	0.5	0.5	0.5	56.5	0.0	360	1.0	95.4
1013	NW_062ad	0.625	0.625	0.625	0.625	66.3	0.0	360	1.0	95.4
1014	NW_075ad	0.75	0.75	0.75	0.75	76.0	0.0	360	1.0	95.4
1015	NW_087ad	0.875	0.875	0.875	0.875	85.7	0.0	360	1.0	95.4
1016	NW_100ad	1.0	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4
1017	NW_000ad	0.0	0.0	0.0	0.0	17.7	0.0	360	1.0	95.4
1018	NW_012ad	0.125	0.125	0.125	0.125	27.4	0.0	360	1.0	95.4
1019	NW_025ad	0.25	0.25	0.25	0.25	37.1	0.0	360	1.0	95.4
1020	NW_037ad	0.375	0.375	0.375	0.375	46.8	0.0	360	1.0	95.4
1021	NW_050ad	0.5	0.5	0.5	0.5	56.5	0.0	360	1.0	95.4
1022	NW_062ad	0.625	0.625	0.625	0.625	66.3	0.0	360	1.0	95.4
1023	NW_075ad	0.75	0.75	0.75	0.75	76.0	0.0	360	1.0	95.4
1024	NW_087ad	0.875	0.875	0.875	0.875	85.7	0.0	360	1.0	95.4
1025	NW_100ad	1.0	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4
1026	NW_000ad	0.0	0.0	0.0	0.0	17.7	0.0	360	1.0	95.4
1027	NW_012ad	0.125	0.125	0.125	0.125	27.4	0.0	360	1.0	95.4
1028	NW_025ad	0.25	0.25	0.25	0.25	37.1	0.0	360	1.0	95.4
1029	NW_037ad	0.375	0.375	0.375	0.375	46.8	0.0	360	1.0	95.4
1030	NW_050ad	0.5	0.5	0.5	0.5	56.5	0.0	360	1.0	95.4
1031	NW_062ad	0.625	0.625	0.625	0.625	66.3	0.0	360	1.0	95.4
1032	NW_075ad	0.75	0.75	0.75	0.75	76.0	0.0	360	1.0	95.4
1033	NW_087ad	0.875	0.875	0.875	0.875	85.7	0.0	360	1.0	95.4
1034	NW_100ad	1.0	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4
1035	NW_000ad	0.0	0.0	0.0	0.0	17.7	0.0	360	1.0	95.4
1036	NW_012ad	0.125	0.125	0.125	0.125	27.4	0.0	360	1.0	95.4
1037	NW_025ad	0.25	0.25	0.25	0.25	37.1	0.0	360	1.0	95.4
1038	NW_037ad	0.375	0.375	0.375	0.375	46.8	0.0	360	1.0	95.4
1039	NW_050ad	0.5	0.5	0.5	0.5	56.5	0.0	360	1.0	95.4
1040	NW_062ad	0.625	0.625	0.625	0.625	66.3	0.0	360	1.0	95.4
1041	NW_075ad	0.75	0.75	0.75	0.75	76.0	0.0	360	1.0	95.4
1042	NW_087ad	0.875	0.875	0.875	0.875	85.7	0.0	360	1.0	95.4
1043	NW_100ad	1.0	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4
1044	NW_000ad	0.0	0.0	0.0	0.0	17.7	0.0	360	1.0	95.4
1045	NW_012ad	0.125	0.125	0.125	0.125	27.4	0.0	360	1.0	95.4
1046	NW_025ad	0.25	0.25	0.25	0.25	37.1	0.0	360	1.0	95.4
1047	NW_037ad	0.375	0.375	0.375	0.375	46.8	0.0	360	1.0	95.4
1048	NW_050ad	0.5	0.5	0.5	0.5	56.5	0.0	360	1.0	95.4
1049	NW_062ad	0.625	0.625	0.625	0.625	66.3	0.0	360	1.0	95.4
1050	NW_075ad	0.75	0.75	0.75	0.75	76.0	0.0	360	1.0	95.4
1051	NW_087ad	0.875	0.875	0.875	0.875	85.7	0.0	360	1.0	95.4
1052	NW_100ad	1.0	1.0	1.0	1.0	95.4	0.0	360	1.0	95.4

Mean color difference of this page:

delta

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

TUB registration: 20150701-RE44/RE44L0FA.TXT /.PS
application for measurement of offset print output, separation cmyk6* (CMYK)

TUB material: code=rha4ta

n	H1C*Fid	rgb_Fid	1c*_Fid	h*_Fid	rgb*_Fid	LabCH*_Fid	cmyn*_sep_Fid	h*_Fid	rgb*_Fid	LabCH*_Fid	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	85.0 0.0 0.0	0.007 0.0 0.179	360 0.0 0.0	1.0 1.0 1.0	95.4 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	90.2 0.0 0.0	0.005 0.0 0.084	360 0.0 0.0	1.0 1.0 1.0	95.4 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	95.4 0.0 0.0	0.0 0.0 0.0	360 0.0 0.0	1.0 1.0 1.0	95.4 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	22.8 0.0 0.0	0.0 0.0 0.0	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1057	NW_013dd	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	33.2 0.0 0.0	0.0 0.043 0.048	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1058	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	43.6 0.0 0.0	0.0 0.057 0.0825	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1059	NW_026dd	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	48.8 0.0 0.0	0.0 0.013 0.015	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1060	NW_026dd	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	59.1 0.0 0.0	0.0 0.016 0.005	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1061	NW_040dd	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	64.3 0.0 0.0	0.0 0.019 0.018	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1062	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	69.5 0.0 0.0	0.0 0.021 0.0541	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1063	NW_053dd	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	74.7 0.0 0.0	0.0 0.006 0.0478	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1064	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	79.9 0.0 0.0	0.0 0.005 0.0405	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1065	NW_066dd	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	85.0 0.0 0.0	0.0 0.021 0.0322	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1066	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	85.0 0.0 0.0	0.0 0.007 0.005	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1067	NW_086dd	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	85.0 0.0 0.0	0.0 0.024 0.0179	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1068	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	85.0 0.0 0.0	0.0 0.007 0.0084	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1069	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	90.2 0.0 0.0	0.0 0.0 0.0	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1070	NW_093dd	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1071	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	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1072	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	95.4 0.0 0.0	0.0 0.0 0.0	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1073	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	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1074	G50B_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	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1075	Y06C_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	47.3 63.8 41.2	0.0 0.0 0.0	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1076	Y06C_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	58.3 23.9 23.3	0.0 0.0 0.0	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1077	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	21.9 51.1 47.3	0.0 0.0 0.0	360 0.0 0.0	1.0 1.0 1.0	95.4 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	21.9 51.1 47.3	0.0 0.0 0.0	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1079	B50R_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	51.9 68.8 28.1	0.0 0.0 0.0	360 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0
1079	B50R_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	48.2 72.8 48.5	0.0 0.0 0.0	360 0.0 0.0	1.0 0.0 0.0	48.2 72.8 48.5	353.3