

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 298/360 = 0.82$

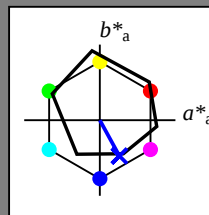
Data for any device (d) or elementary (e) colour:

HIC^*

hue text for the colours of this page:

$H^*_- = B00R_-$

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):

$LabCh^*_{-,Ma}$: 27 25 -47 53 298

$HIC^*_{-,Ma}$: B00R_100_100-

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

0.0 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

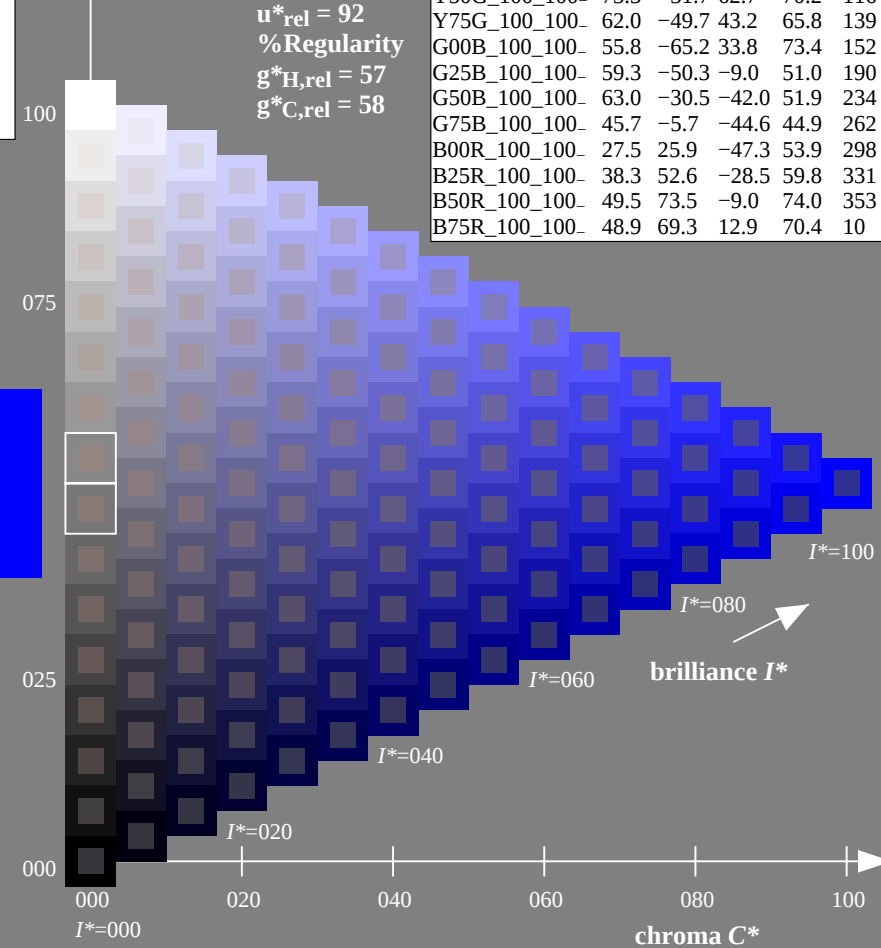
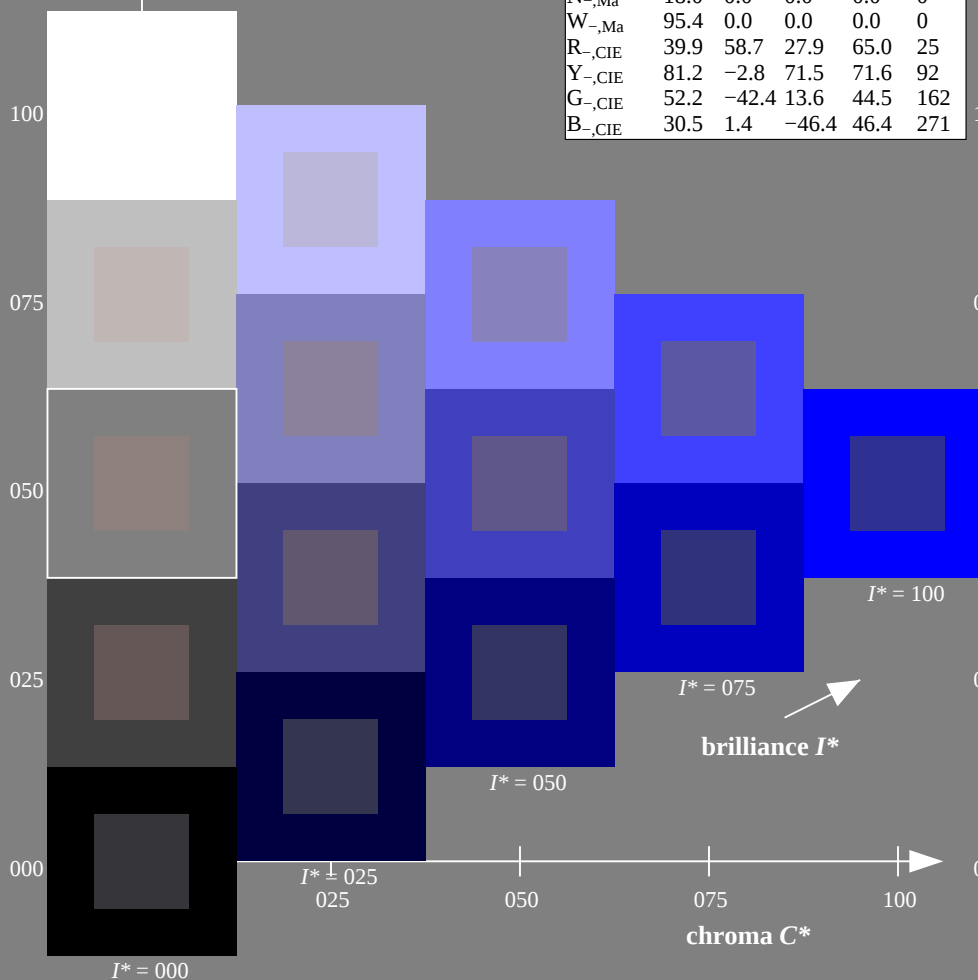
$u^*_{rel} = 92$

% 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 RE17; hue code: $H^*_- = B00R_-$
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

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

TUB registration: 20150701-RE17/RE17L0FA.TXT /.PS
application for measurement of offset print output

TUB material: code=rha4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 306/360 = 0.85$

$H^*_d = B00R_d$

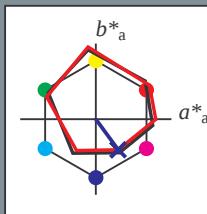
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = B00R_d$

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}	45.4	70.9	44.8	83.9	32
Y _{d,Ma}	87.8	-10.2	95.4	96.0	96
G _{d,Ma}	50.0	-65.0	29.6	71.4	155
C _{d,Ma}	56.8	-25.5	-41.5	48.7	238
B _{d,Ma}	25.0	29.5	-40.4	50.0	306
M _{d,Ma}	46.1	79.3	-0.2	79.3	359
N _{d,Ma}	24.3	0.0	0.0	0.0	0
W _{d,Ma}	95.6	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):

$LabCh^*_d, Ma$: 25 29 -40 50 306

HIC^*_d, Ma : B00R_100_100_d

$rgbic^*_d, Ma$:

0.0 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

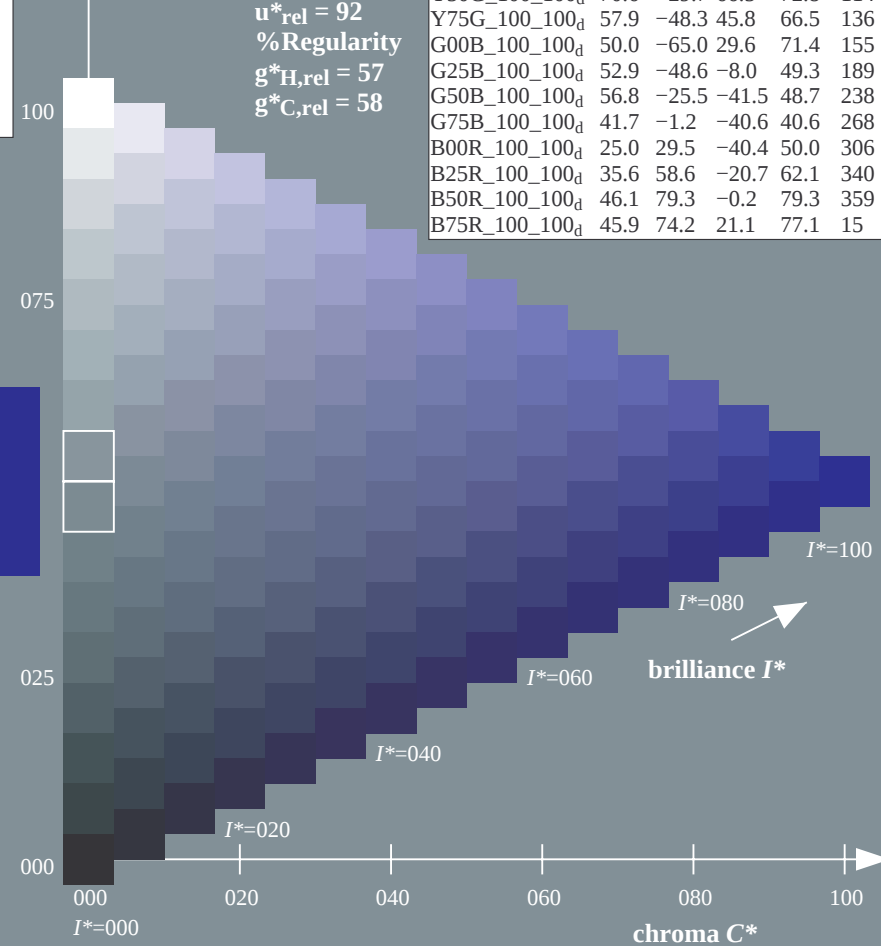
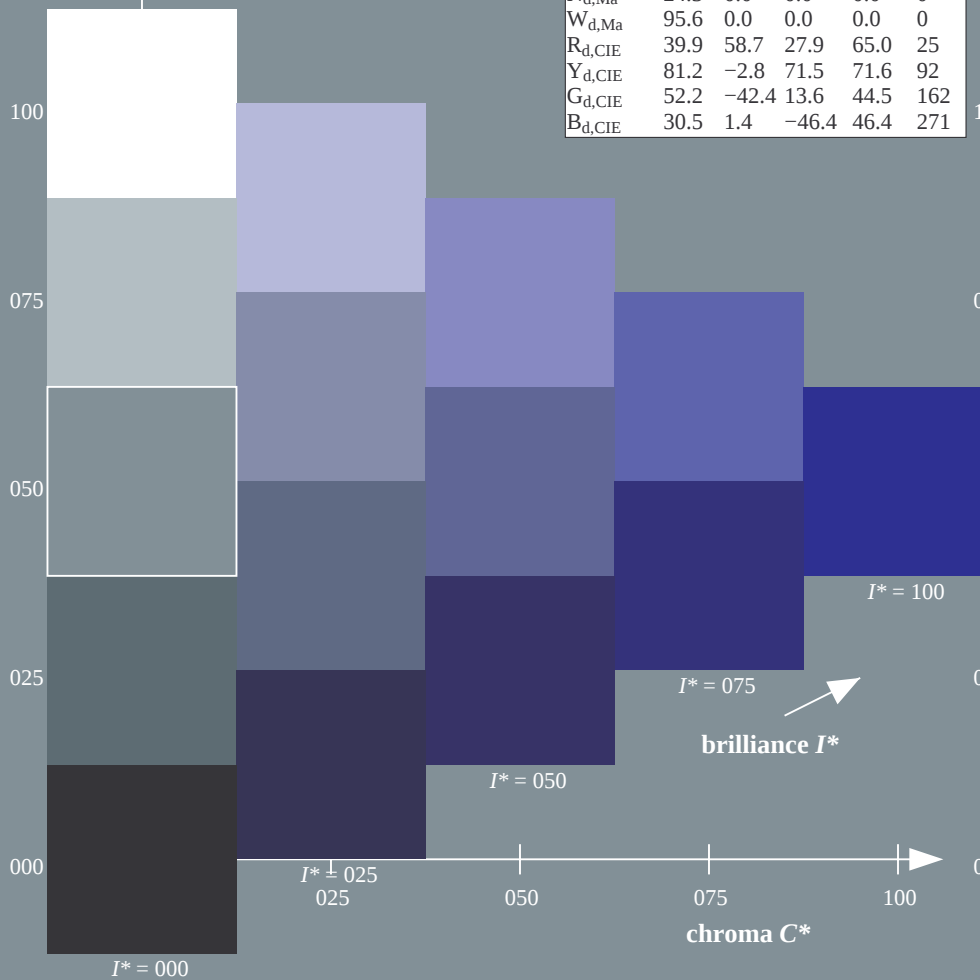
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 _d	45.4	70.9	44.8	83.9	32
R25Y_100_100 _d	53.0	53.4	54.8	76.5	45
R50Y_100_100 _d	64.9	28.9	68.6	74.5	67
R75Y_100_100 _d	78.6	4.3	84.7	84.8	87
Y00G_100_100 _d	87.8	-10.2	95.4	96.0	96
Y25G_100_100 _d	81.2	-17.0	84.3	86.0	101
Y50G_100_100 _d	70.6	-29.7	66.5	72.8	114
Y75G_100_100 _d	57.9	-48.3	45.8	66.5	136
G00B_100_100 _d	50.0	-65.0	29.6	71.4	155
G25B_100_100 _d	52.9	-48.6	-8.0	49.3	189
G50B_100_100 _d	56.8	-25.5	-41.5	48.7	238
G75B_100_100 _d	41.7	-1.2	-40.6	40.6	268
B00R_100_100 _d	25.0	29.5	-40.4	50.0	306
B25R_100_100 _d	35.6	58.6	-20.7	62.1	340
B50R_100_100 _d	46.1	79.3	-0.2	79.3	359
B75R_100_100 _d	45.9	74.2	21.1	77.1	15



TUB-test chart RE17; hue code: $H^*_d = B00R_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

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

TUB registration: 20150701-RE17/RE17L0FA.TXT /.PS
application for measurement of offset print output, separation $cmY0^*$ (CMY0)

TUB material: code=rha4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 306/360 = 0.85$

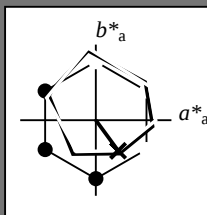
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours
of this page:

$H^*_d = B00R_d$

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	45.4	70.9	44.8	83.9	32
Y _d ,Ma	87.8	-10.2	95.4	96.0	96
G _d ,Ma	50.0	-65.0	29.6	71.4	155
C _d ,Ma	56.8	-25.5	-41.5	48.7	238
B _d ,Ma	25.0	29.5	-40.4	50.0	306
M _d ,Ma	46.1	79.3	-0.2	79.3	359
N _d ,Ma	24.3	0.0	0.0	0.0	0
W _d ,Ma	95.6	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):

$LabCh^*_{d,Ma}$: 25 29 -40 50 306

$HIC^*_{d,Ma}$: B00R_100_100_d

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

0.0 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

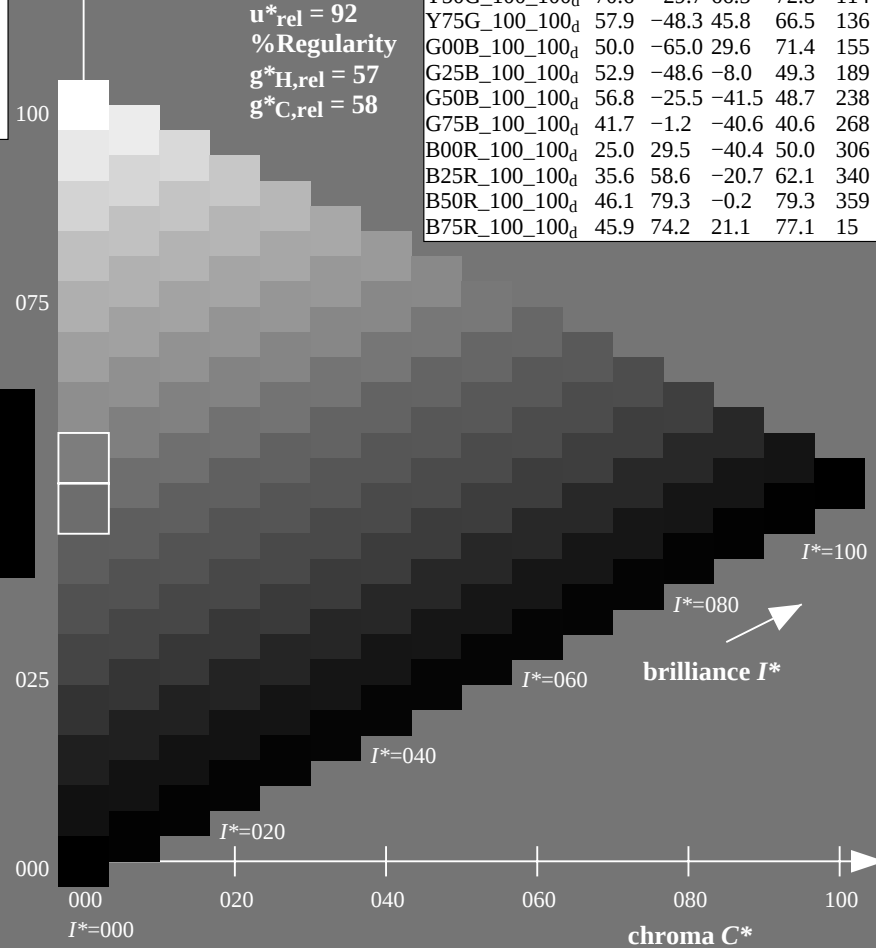
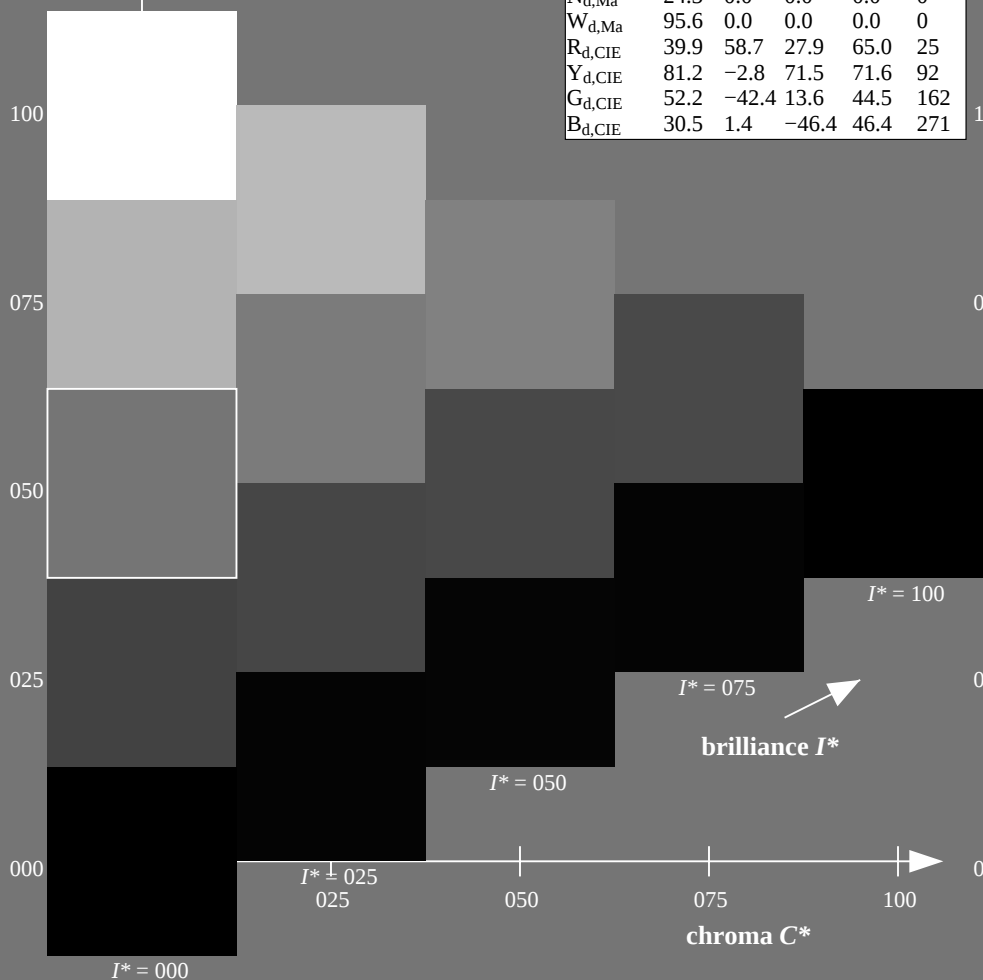
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 _d	45.4	70.9	44.8	83.9	32
R25Y_100_100 _d	53.0	53.4	54.8	76.5	45
R50Y_100_100 _d	64.9	28.9	68.6	74.5	67
R75Y_100_100 _d	78.6	4.3	84.7	84.8	87
Y00G_100_100 _d	87.8	-10.2	95.4	96.0	96
Y25G_100_100 _d	81.2	-17.0	84.3	86.0	101
Y50G_100_100 _d	70.6	-29.7	66.5	72.8	114
Y75G_100_100 _d	57.9	-48.3	45.8	66.5	136
G00B_100_100 _d	50.0	-65.0	29.6	71.4	155
G25B_100_100 _d	52.9	-48.6	-8.0	49.3	189
G50B_100_100 _d	56.8	-25.5	-41.5	48.7	238
G75B_100_100 _d	41.7	-1.2	-40.6	40.6	268
B00R_100_100 _d	25.0	29.5	-40.4	50.0	306
B25R_100_100 _d	35.6	58.6	-20.7	62.1	340
B50R_100_100 _d	46.1	79.3	-0.2	79.3	359
B75R_100_100 _d	45.9	74.2	21.1	77.1	15



TUB-test chart RE17; hue code: $H^*_d=B00R_d$
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 for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 306/360 = 0.85$

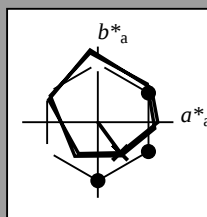
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours
of this page:

$H^*_d = B00R_d$

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	45.4	70.9	44.8	83.9	32
Y _d ,Ma	87.8	-10.2	95.4	96.0	96
G _d ,Ma	50.0	-65.0	29.6	71.4	155
C _d ,Ma	56.8	-25.5	-41.5	48.7	238
B _d ,Ma	25.0	29.5	-40.4	50.0	306
M _d ,Ma	46.1	79.3	-0.2	79.3	359
N _d ,Ma	24.3	0.0	0.0	0.0	0
W _d ,Ma	95.6	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):

$LabCh^*_{d, Ma}$: 25 29 -40 50 306

$HIC^*_{d, Ma}$: B00R_100_100_d

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

0.0 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

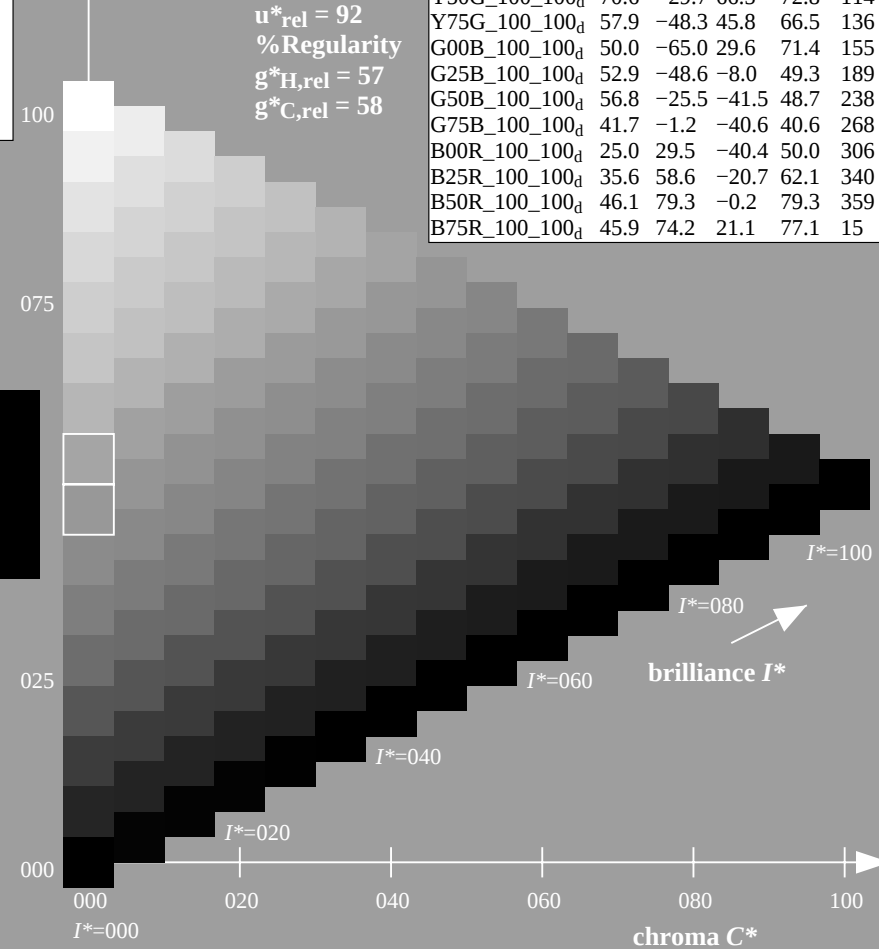
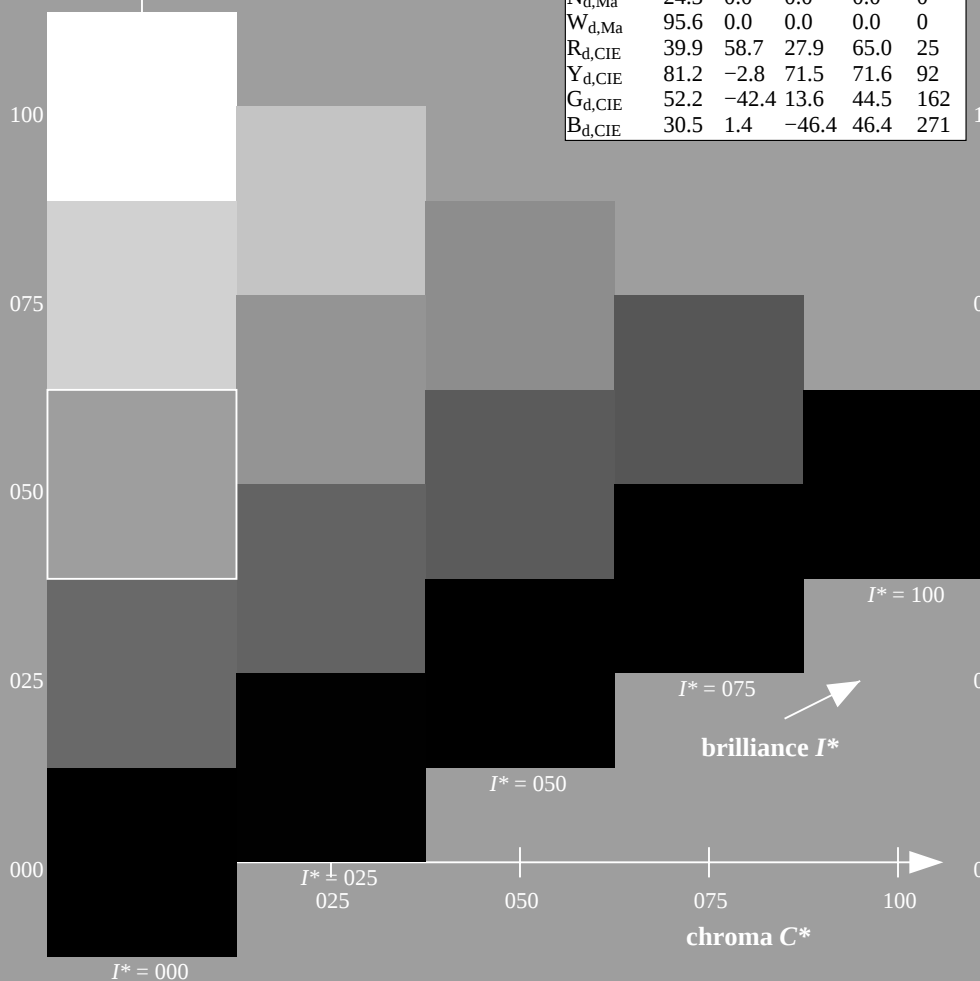
$u^*_{rel} = 92$

% Regularity

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R00Y_100_100 _d	45.4	70.9	44.8	83.9	32
R25Y_100_100 _d	53.0	53.4	54.8	76.5	45
R50Y_100_100 _d	64.9	28.9	68.6	74.5	67
R75Y_100_100 _d	78.6	4.3	84.7	84.8	87
Y00G_100_100 _d	87.8	-10.2	95.4	96.0	96
Y25G_100_100 _d	81.2	-17.0	84.3	86.0	101
Y50G_100_100 _d	70.6	-29.7	66.5	72.8	114
Y75G_100_100 _d	57.9	-48.3	45.8	66.5	136
G00B_100_100 _d	50.0	-65.0	29.6	71.4	155
G25B_100_100 _d	52.9	-48.6	-8.0	49.3	189
G50B_100_100 _d	56.8	-25.5	-41.5	48.7	238
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B00R_100_100 _d	25.0	29.5	-40.4	50.0	306
B25R_100_100 _d	35.6	58.6	-20.7	62.1	340
B50R_100_100 _d	46.1	79.3	-0.2	79.3	359
B75R_100_100 _d	45.9	74.2	21.1	77.1	15



TUB-test chart RE17; hue code: $H^*_d = B00R_d$
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 for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 306/360 = 0.85$

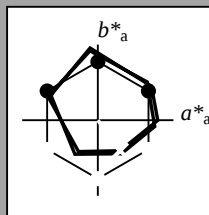
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours
of this page:

$H^*_d = B00R_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
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$W_{d,Ma}$	95.6	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):

$LabCh^*_{d,Ma}$: 25 29 -40 50 306

$HIC^*_{d,Ma}$: B00R_100_100_d

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

0.0 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

% Regularity

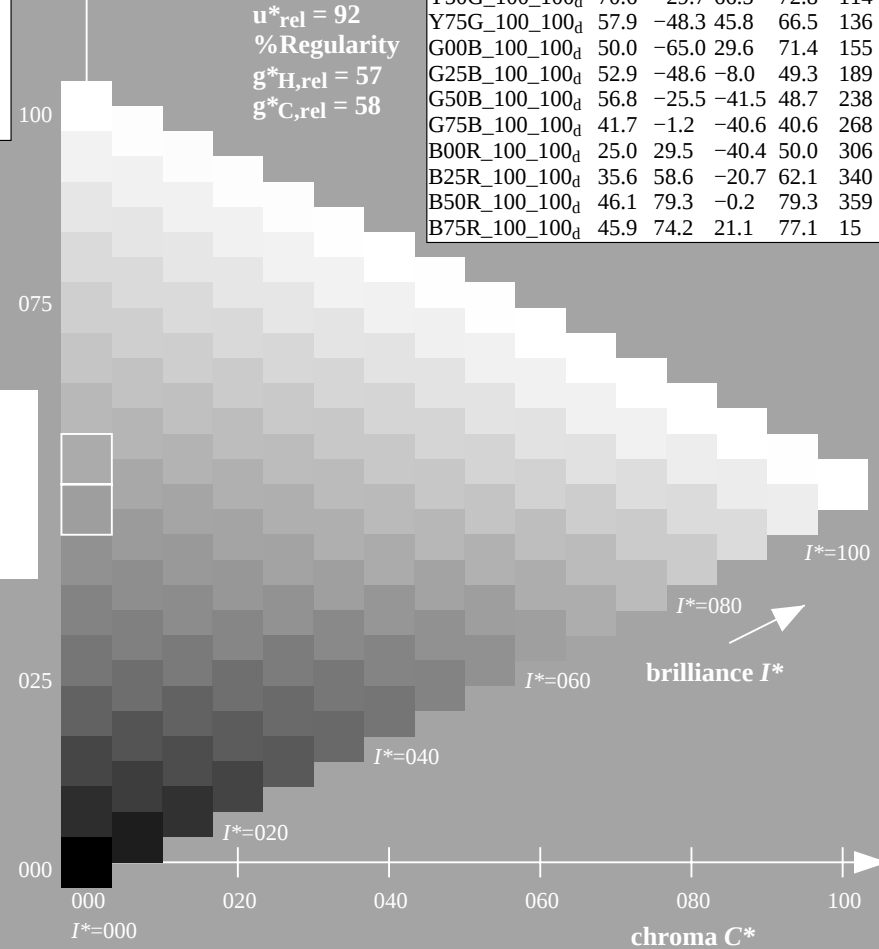
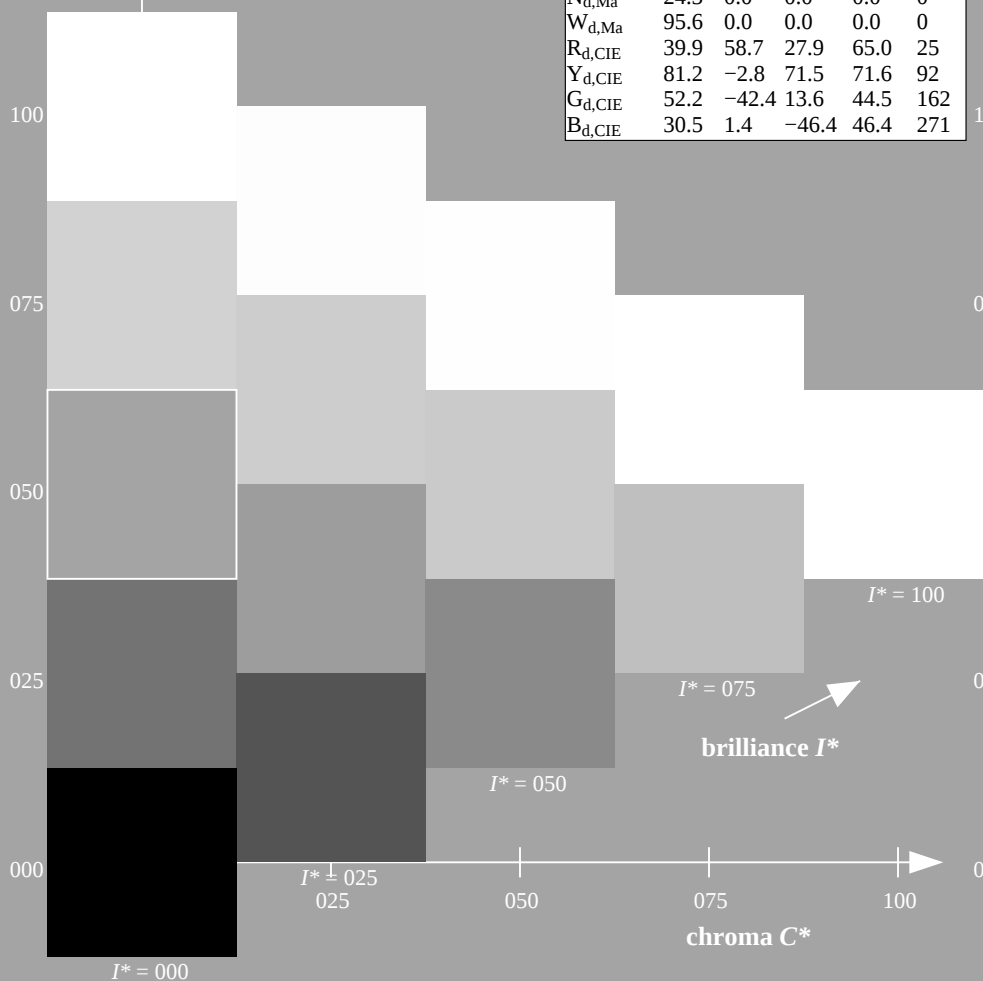
$g^*_{H,rel} = 57$

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

$H^*_d = B00R_d$

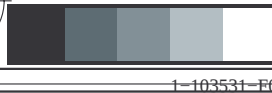
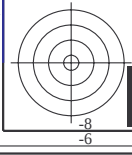
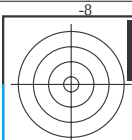
ORS20a; adapted (a) CIELAB data

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	32
$R25Y_100_100_d$	53.0	53.4	54.8	76.5	45
$R50Y_100_100_d$	64.9	28.9	68.6	74.5	67
$R75Y_100_100_d$	78.6	4.3	84.7	84.8	87
$Y00G_100_100_d$	87.8	-10.2	95.4	96.0	96
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$B75R_100_100_d$	45.9	74.2	21.1	77.1	15

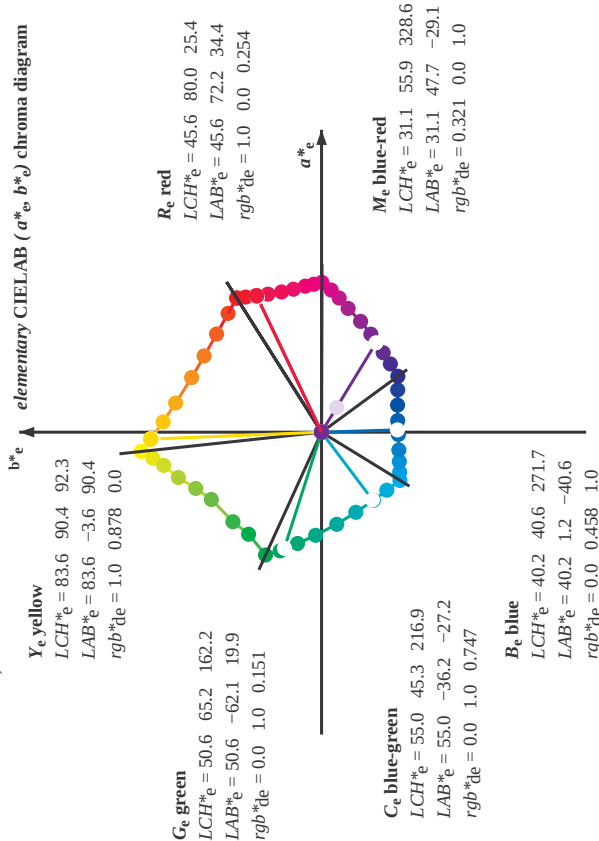
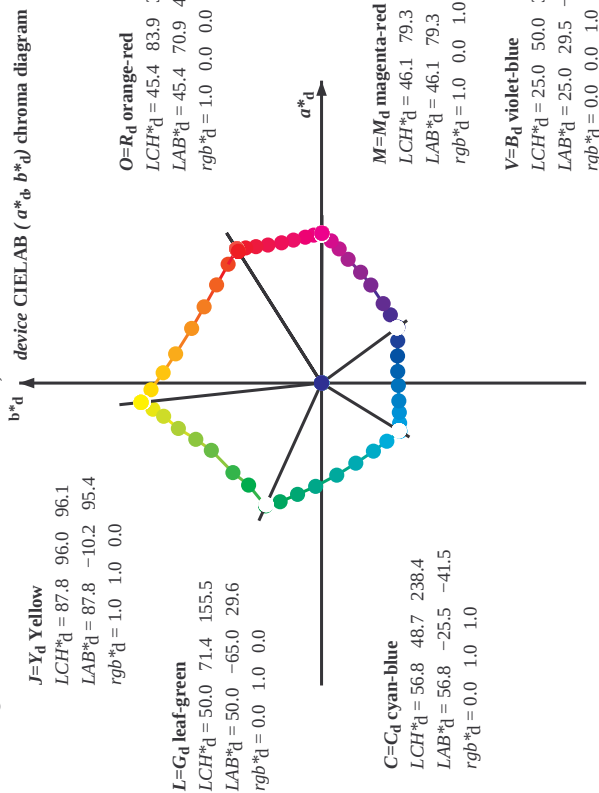


TUB-test chart RE17; hue code: $H^*_d = B00R_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmy0^*$

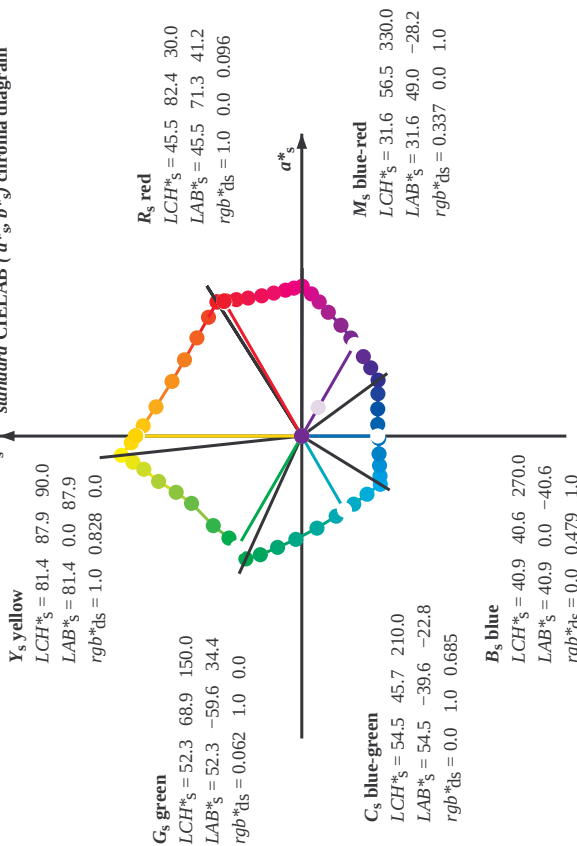
input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmy0^*_{dd}$



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; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



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



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

1. For the rgb^*_e -input values the CIELAB data LCH^*_e and LAB^*_e have been calculated.
2. For the calculation of the standard hue angle h_{ab} use for any device values rgb^*_e the equation:
$$h_{ab,s} = \arctan \left[\frac{r^*_d \cos(30) + g^*_d \cos(150)}{1 / r^*_d \sin(30) + g^*_d \sin(150)} \right] + b^*_d \sin(270) \quad (1)$$
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 e : $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:
$$h_{48ab,s,j} = h_{ab,s,i} + j \left[\frac{h_{ab,s,i+1} - h_{ab,s,i}}{8} \right] \quad (i=0,1,...,5; j=0,1,...,7) \quad (2)$$
$$h_{360ab,s,j} = h_{ab,s,i} + j \left[\frac{h_{ab,s,i+1} - h_{ab,s,i}}{60} \right] \quad (i=0,1,...,5; j=0,1,...,59) \quad (3)$$
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:
$$h_{48ab,e,j} = h_{ab,e,i} + j \left[\frac{h_{ab,e,i+1} - h_{ab,e,i}}{8} \right] \quad (i=0,1,...,5; j=0,1,...,7) \quad (4)$$
$$h_{360ab,e,j} = h_{ab,e,i} + j \left[\frac{h_{ab,e,i+1} - h_{ab,e,i}}{60} \right] \quad (i=0,1,...,5; j=0,1,...,59) \quad (5)$$
5. For any elementary hue angle h_{ab} there is a well defined device hue angle $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4.
6. The values rgb^*_e produce the output of the device-independent elementary hues

1-103631-L0 RE17-72 LAB*_{la0}, YN=0%, XY Zmw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*_{mw}=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

TUB-test chart RE17; hue code: H*_d=B00Rd
48 step hue circles; $rgb-LabCh$ -tables

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

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

see similar files: <http://130.149.60.45/~farbmatrik/RE17/RE17.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

see similar files: <http://130.149.60.45/~farbmatrik/RE17/RE17.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

```

5.6, 0.0, 0.0
input: rgb/cmyk -> rgbdd
output: 3D-linearization to cmy0*dd
Output: Offset star

```

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *cmv0**_{dd}

TUB registration: 20150701-RE17/RE17L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

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

LAB* d64M (x=LabCh)										rgb* d64M										rgb* d64M										rgb* d64M																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
LAB* d64M (x=LabCh)										rgb* d64M										rgb* d64M										rgb* d64M																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9

Input: r_{gb}/cmyk -> r_{gbd}
Output: 3D-linearization to cmy0*dd

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

<http://130.149.60.45/~farbmatrik/RE17/RE17LOFA.TXT> /PS; 3D-linearization
F: 3D-linearization RE17/RE17LE30FA.DAT in file (F), page 13/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmv0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

5.6, 0.0, 0.0	Output: Offset standard
input: <i>rgb/cmyk</i> → <i>rgbad</i>	
output: 3D-linearization to <i>cmy0*</i> _{dd}	

RE170-72 LAB*1a0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, TTUB-test chart RE17; hue code: H*d=B00Rd 48 step hue circles; *rgb-LabCh**tables

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http://130.149.60.45/~farbmatrik/RE17/RE17LOFA.TXT /PS; 3D-linearization
 F: 3D-linearization RE17/RE17LE30FA.DAT in file (F), page 14/33

-see similar files: <http://130.149.60.45/~farbmetrik/RE17/RE17.HTM>
 -technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

RE170-72 LAB*a0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, TUB-test chart RE17; hue code: H*d=B00Rd 48 step hue circles: *rab-LabCh**tables

input: *rgb/cmyk* $\rightarrow$ *rgb*_{dd}
output: 3D-linearization to *cmv0**_{dd}

5.6, 0.0, 0.0

Output: Offset stamp

[illegible]



TUB material: code=rha4ta
my0* (CMY0)

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

TUB-test chart RE17; hue code: H_d^{*}=B00R_d
colors and differences, ΔE^*

2E170-7N Page 18/33-E

-1031731-E0

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n/i	HIC* _{Fold}	rgb_Fold	lcr_Fold	h ₂ _Fold	rgb* _{Fold}	LabCh* _{Fold}	cmym*_sepFold	h ₂ ax_Fold	rgb*_Fold	LabCh* _{Mid}	delta
0/648	ROOY_100_100ad	1.0	0.0	1.0	1.0	0.0	0.0	389	1.0	0.0	44.8
1/657	R13Y_100_100ad	1.0	0.125	1.0	0.0	45.4	0.0	36	1.0	0.0	45.4
2/666	R28Y_100_100ad	1.0	0.25	1.0	0.116	0.0	0.882	36	1.0	0.0	48.6
3/675	R38Y_100_100ad	1.0	0.375	1.0	0.233	0.0	0.765	42	1.0	0.233	0.0
4/684	R50Y_100_100ad	1.0	0.5	1.0	0.366	0.0	0.632	51	1.0	0.366	0.0
5/693	R63Y_100_100ad	1.0	0.625	1.0	0.5	0.0	0.498	58	1.0	0.5	0.0
6/702	R75Y_100_100ad	1.0	0.75	1.0	0.633	0.0	0.368	69	1.0	0.633	0.0
7/711	R88Y_100_100ad	1.0	0.875	1.0	0.766	0.0	0.234	77	1.0	0.766	0.0
8/720	Y00G_100_100ad	1.0	1.0	1.0	0.883	0.0	0.117	89	1.0	0.883	0.0
9/639	Y13G_100_100ad	0.875	1.0	0.5	1.0	0.0	0.0	96	1.0	1.0	0.0
10/558	Y25G_100_100ad	0.75	1.0	0.5	0.883	1.0	0.116	102	0.883	1.0	0.0
11/477	Y38G_100_100ad	0.625	1.0	0.5	0.766	1.0	0.0	111	0.766	1.0	0.0
12/396	Y50G_100_100ad	0.5	1.0	0.5	0.633	1.0	0.235	119	0.633	1.0	0.0
13/315	Y63G_100_100ad	0.375	1.0	0.5	0.5	1.0	0.498	128	0.5	1.0	0.0
14/234	Y75G_100_100ad	0.25	1.0	0.5	0.366	1.0	0.632	137	0.366	1.0	0.0
15/153	Y88G_100_100ad	0.125	1.0	0.5	0.233	1.0	0.766	143	0.233	1.0	0.0
16/72	G00C_100_100ad	0.0	1.0	0.5	0.116	1.0	0.882	149	0.116	1.0	0.0
17/773	G13C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	156	1.0	0.0	0.0
18/774	G25C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	162	1.0	0.0	0.0
19/75	G38C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	171	1.0	0.0	0.0
20/76	G50C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	180	1.0	0.0	0.0
21/77	G63C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	188	1.0	0.0	0.0
22/78	G75C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	197	1.0	0.0	0.0
23/79	G88C_100_100ad	0.0	1.0	0.5	1.0	0.0	0.0	203	1.0	0.0	0.0
24/80	C00B_100_100ad	0.0	1.0	1.0	1.0	0.0	0.0	210	1.0	0.0	0.0
25/81	C13B_100_100ad	0.0	1.0	0.5	0.883	1.0	0.117	216	0.0	0.883	1.0
26/82	C25B_100_100ad	0.0	1.0	0.5	0.766	1.0	0.234	223	0.0	0.766	1.0
27/83	C38B_100_100ad	0.0	1.0	0.5	0.633	1.0	0.368	231	0.0	0.633	1.0
28/84	C50B_100_100ad	0.0	1.0	0.5	0.5	1.0	0.498	240	0.0	0.5	1.0
29/85	C63B_100_100ad	0.0	1.0	0.5	0.366	1.0	0.631	248	0.0	0.366	1.0
30/86	C75B_100_100ad	0.0	1.0	0.5	0.233	1.0	0.765	257	0.0	0.233	1.0
31/17	C88B_100_100ad	0.0	1.0	0.5	0.116	1.0	0.882	263	0.0	0.116	1.0
32/8	B00M_100_100ad	0.0	1.0	1.0	0.0	25.0	0.999	270	0.0	0.0	25.0
33/89	B13M_100_100ad	0.125	1.0	1.0	0.116	0.0	0.882	276	0.116	0.0	0.0
34/170	B25M_100_100ad	0.25	1.0	1.0	0.233	0.0	0.765	282	0.233	0.0	0.0
35/21	B38M_100_100ad	0.375	1.0	1.0	0.366	0.0	0.632	291	0.366	0.0	0.0
36/332	B50M_100_100ad	0.5	1.0	1.0	0.5	0.0	0.5	300	0.5	0.0	0.0
37/413	B63M_100_100ad	0.625	1.0	1.0	0.633	0.0	0.368	308	0.633	0.0	0.0
38/494	B75M_100_100ad	0.75	1.0	1.0	0.766	0.0	0.233	317	0.766	0.0	0.0
39/575	B88M_100_100ad	0.875	1.0	1.0	0.883	0.0	0.115	323	0.883	0.0	0.0
40/656	M00R_100_100ad	1.0	0.0	1.0	1.0	0.0	0.0	330	1.0	1.0	0.0
41/655	M13R_100_100ad	1.0	0.0	0.875	1.0	0.0	0.0	336	1.0	0.0	0.875
42/654	M25R_100_100ad	1.0	0.0	0.75	1.0	0.0	0.117	342	1.0	0.0	0.75
43/653	M38R_100_100ad	1.0	0.0	0.625	1.0	0.0	0.234	351	1.0	0.0	0.625
44/652	M50R_100_100ad	1.0	0.0	0.5	1.0	0.0	0.368	360	1.0	0.0	0.5
45/651	M63R_100_100ad	1.0	0.0	0.375	1.0	0.0	0.498	368	1.0	0.0	0.375
46/650	M75R_100_100ad	1.0	0.0	0.25	1.0	0.0	0.631	377	1.0	0.0	0.25
47/649	M88R_100_100ad	1.0	0.0	0.125	1.0	0.0	0.765	383	1.0	0.0	0.125
48/648	ROOY_100_100ad	1.0	0.0	1.0	1.0	0.0	0.884	389	1.0	0.0	0.884
49/0	NW_000ad	0.0	0.0	0.0	0.0	24.3	0.0	360	1.0	0.0	24.3
50/91	NW_013ad	0.125	0.125	0.0	0.0	0.0	0.885	360	1.0	1.0	0.0
51/182	NW_025ad	0.25	0.25	0.0	0.0	0.0	0.774	360	1.0	1.0	0.0
52/273	NW_038ad	0.375	0.375	0.0	0.0	0.0	0.587	360	1.0	1.0	0.0
53/364	NW_050ad	0.5	0.5	0.0	0.0	0.0	0.473	360	1.0	1.0	0.0
54/455	NW_063ad	0.625	0.625	0.0	0.0	0.0	0.382	360	1.0	1.0	0.0
55/546	NW_075ad	0.75	0.75	0.0	0.0	0.0	0.26	360	1.0	1.0	0.0
56/637	NW_088ad	0.875	0.875	0.0	0.0	0.0	0.181	360	1.0	1.0	0.0
57/728	NW_100ad	1.0	1.0	0.0	1.0	0.0	0.093	360	1.0	1.0	0.0

TUB registration: 20150701-RE17/RE17L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)

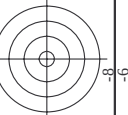
TUB material: code=rha4ta

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

TUB-test chart RE17; hue code: H*d=B00Rd
colors and differences, ΔE^*

n/f	HfC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmy0*_sep_Fid	delta	hsv*dd	rgb*dd	LabCh*dd	hsv*dd	rgb*dd	LabCh*dd	hsv*dd
0/648	R0Y_100_100dd	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
1/666	R25Y_100_100dd	0.0	0.25	0.0	0.0	0.233	0.0	0.0	0.0	0.233	0.0	0.0	0.233	0.0	0.0
2/684	R50Y_100_100dd	0.0	0.5	0.0	0.0	0.454	0.0	0.0	0.0	0.454	0.0	0.0	0.454	0.0	0.0
3/702	R75Y_100_100dd	0.0	0.75	0.0	0.0	0.649	0.0	0.0	0.0	0.649	0.0	0.0	0.649	0.0	0.0
4/720	Y00C_100_100dd	0.0	1.0	0.0	0.0	0.786	0.0	0.0	0.0	0.786	0.0	0.0	0.786	0.0	0.0
5/558	Y25C_100_100dd	0.75	1.0	0.0	0.0	81.2	0.0	0.0	0.0	81.2	0.0	0.0	81.2	0.0	0.0
6/396	Y50C_100_100dd	0.5	1.0	0.0	0.0	81.2	0.0	0.0	0.0	81.2	0.0	0.0	81.2	0.0	0.0
7/234	Y75C_100_100dd	0.25	1.0	0.0	0.0	70.6	0.0	0.0	0.0	70.6	0.0	0.0	70.6	0.0	0.0
8/72	G00B_100_100dd	0.0	1.0	0.0	0.0	50.0	0.0	0.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0
9/72	G25B_100_100dd	0.0	1.0	0.0	0.0	50.0	0.0	0.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0
10/76	G50B_100_100dd	0.0	1.0	0.0	0.0	52.9	0.0	0.0	0.0	52.9	0.0	0.0	52.9	0.0	0.0
11/80	G75B_100_100dd	0.0	1.0	0.0	0.0	56.8	0.0	0.0	0.0	56.8	0.0	0.0	56.8	0.0	0.0
12/44	G90B_100_100dd	0.0	1.0	0.0	0.0	58.1	0.0	0.0	0.0	58.1	0.0	0.0	58.1	0.0	0.0
13/8	B00M_100_100dd	0.0	0.0	1.0	0.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	25.0	0.0	0.0
14/332	B25R_100_100dd	0.5	0.0	1.0	0.0	35.6	0.0	0.0	0.0	35.6	0.0	0.0	35.6	0.0	0.0
15/652	B50R_100_100dd	0.0	0.0	1.0	0.0	46.1	0.0	0.0	0.0	46.1	0.0	0.0	46.1	0.0	0.0
16/652	B75R_100_100dd	0.0	0.0	1.0	0.0	45.9	0.0	0.0	0.0	45.9	0.0	0.0	45.9	0.0	0.0
17/648	R00Y_100_100dd	1.0	0.0	0.0	0.0	45.4	0.0	0.0	0.0	45.4	0.0	0.0	45.4	0.0	0.0
18/608	R00Y_100_050dd	1.0	0.5	0.5	0.0	70.5	0.0	0.0	0.0	70.5	0.0	0.0	70.5	0.0	0.0
19/766	R25Y_100_050dd	0.75	0.5	0.5	0.0	80.2	0.0	0.0	0.0	80.2	0.0	0.0	80.2	0.0	0.0
20/724	Y00C_100_050dd	0.75	1.0	0.5	0.0	91.7	0.0	0.0	0.0	91.7	0.0	0.0	91.7	0.0	0.0
21/624	Y25C_100_050dd	0.75	1.0	0.5	0.0	81.2	0.0	0.0	0.0	81.2	0.0	0.0	81.2	0.0	0.0
22/400	G00B_100_050dd	0.5	1.0	0.5	0.0	50.0	0.0	0.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0
23/400	G25B_100_050dd	0.5	1.0	0.5	0.0	52.9	0.0	0.0	0.0	52.9	0.0	0.0	52.9	0.0	0.0
24/240	B00M_100_050dd	0.5	0.5	1.0	0.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	25.0	0.0	0.0
25/692	B50R_100_050dd	0.0	0.5	1.0	0.0	46.1	0.0	0.0	0.0	46.1	0.0	0.0	46.1	0.0	0.0
26/688	R00Y_100_050dd	1.0	0.5	0.5	0.0	70.5	0.0	0.0	0.0	70.5	0.0	0.0	70.5	0.0	0.0
27/608	R00Y_075_050dd	0.75	0.25	0.25	0.75	52.7	0.0	0.0	0.0	52.7	0.0	0.0	52.7	0.0	0.0
28/524	R50Y_075_050dd	0.75	0.5	0.5	0.5	62.4	0.0	0.0	0.0	62.4	0.0	0.0	62.4	0.0	0.0
29/542	Y00C_075_050dd	0.75	0.75	0.25	0.75	73.9	0.0	0.0	0.0	73.9	0.0	0.0	73.9	0.0	0.0
30/380	Y50C_075_050dd	0.5	0.75	0.25	0.75	65.3	0.0	0.0	0.0	65.3	0.0	0.0	65.3	0.0	0.0
31/218	G00B_075_050dd	0.25	0.75	0.25	0.75	55.0	0.0	0.0	0.0	55.0	0.0	0.0	55.0	0.0	0.0
32/222	G50B_075_050dd	0.25	0.75	0.25	0.75	58.4	0.0	0.0	0.0	58.4	0.0	0.0	58.4	0.0	0.0
33/186	B00R_075_050dd	0.25	0.25	0.75	0.75	42.5	0.0	0.0	0.0	42.5	0.0	0.0	42.5	0.0	0.0
34/510	B50R_075_050dd	0.75	0.25	0.75	0.75	53.0	0.0	0.0	0.0	53.0	0.0	0.0	53.0	0.0	0.0
35/506	R00Y_075_050dd	0.75	0.25	0.25	0.75	52.7	0.0	0.0	0.0	52.7	0.0	0.0	52.7	0.0	0.0
36/324	R00Y_050_050dd	0.5	0.0	0.0	0.5	34.9	0.0	0.0	0.0	34.9	0.0	0.0	34.9	0.0	0.0
37/342	R50Y_050_050dd	0.5	0.25	0.0	0.5	44.6	0.0	0.0	0.0	44.6	0.0	0.0	44.6	0.0	0.0
38/360	Y00C_050_050dd	0.5	0.5	0.0	0.5	56.1	0.0	0.0	0.0	56.1	0.0	0.0	56.1	0.0	0.0
39/198	Y50C_050_050dd	0.25	0.5	0.0	0.5	47.4	0.0	0.0	0.0	47.4	0.0	0.0	47.4	0.0	0.0
40/36	G00B_050_050dd	0.0	0.5	0.0	0.5	37.2	0.0	0.0	0.0	37.2	0.0	0.0	37.2	0.0	0.0
41/40	G50B_050_050dd	0.0	0.5	0.0	0.5	40.5	0.0	0.0	0.0	40.5	0.0	0.0	40.5	0.0	0.0
42/4	B00R_050_050dd	0.0	0.5	0.5	0.5	24.7	0.0	0.0	0.0	24.7	0.0	0.0	24.7	0.0	0.0
43/328	B50R_050_050dd	0.5	0.0	0.5	0.5	35.2	0.0	0.0	0.0	35.2	0.0	0.0	35.2	0.0	0.0
44/324	R00Y_050_050dd	0.5	0.0	0.5	0.5	34.9	0.0	0.0	0.0	34.9	0.0	0.0	34.9	0.0	0.0
45/0	NW_000dd	0.0	0.0	0.0	0.0	24.3	0.0	0.0	0.0	24.3	0.0	0.0	24.3	0.0	0.0
46/91	NW_013dd	0.125	0.125	0.125	0.125	33.2	0.0	0.0	0.0	33.2	0.0	0.0	33.2	0.0	0.0
47/182	NW_025dd	0.25	0.25	0.25	0.25	42.1	0.0	0.0	0.0	42.1	0.0	0.0	42.1	0.0	0.0
48/273	NW_038dd	0.375	0.375	0.375	0.375	51.0	0.0	0.0	0.0	51.0	0.0	0.0	51.0	0.0	0.0
49/364	NW_050dd	0.5	0.5	0.5	0.5	60.0	0.0	0.0	0.0	60.0	0.0	0.0	60.0	0.0	0.0
50/455	NW_065dd	0.625	0.625	0.625	0.625	68.9	0.0	0.0	0.0	68.9	0.0	0.0	68.9	0.0	0.0
51/66	NW_080dd	0.75	0.75	0.75	0.75	77.5	0.0	0.0	0.0	77.5	0.0	0.0	77.5	0.0	0.0
52/66	NW_095dd	0.875	0.875	0.875	0.875	86.7	0.0	0.0	0.0	86.7	0.0	0.0	86.7	0.0	0.0
53/728	NW_100dd	1.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0	95.6	0.0	0.0	95.6	0.0	0.0

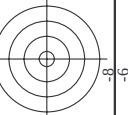
see similar files: <http://130.149.60.45/~farbmatrik/RE17/RE17L0FA.TXT> /PS; 3D-linearization
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



TUB material: code=rha4ta
ny0* (CMY0)

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
 output: 3D-linearization to *cmy0_{dd}*

$n-j$	HIC ^{Full}	rgb_fid	icr_fid	h_{α_fid}	$rgb^{*}fid$	$LabCH^{*}fid$	$cmyp^{*}sep_fid$	$h_{\alpha}^{*}fid$	$rgb^{*}Mid$	$LabCH^{*}Mid$	$n-j$	HIC ^{Full}	rgb_fid	icr_fid	h_{α_fid}	$rgb^{*}fid$	$LabCH^{*}fid$	$cmyp^{*}sep_fid$	$h_{\alpha}^{*}fid$	$rgb^{*}Mid$	$LabCH^{*}Mid$	
1	B00R.012.012ad	00	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1	B00R.012.012ad	00	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	
2	B00R.025.025ad	00	0.125	0.125	0.062	270	0.0	0.125	24.3	3.6	2	B00R.025.025ad	00	0.125	0.125	0.062	270	0.0	0.125	24.3	3.6	
3	B00R.037.037ad	00	0.25	0.25	0.187	270	0.0	0.25	24.5	7.3	3	B00R.037.037ad	00	0.25	0.25	0.187	270	0.0	0.25	24.5	7.3	
4	B00R.050.050ad	00	0.375	0.375	0.187	270	0.0	0.375	24.6	11.0	4	B00R.050.050ad	00	0.375	0.375	0.187	270	0.0	0.375	24.6	11.0	
5	B00R.062.062ad	00	0.5	0.5	0.25	270	0.0	0.5	24.7	14.7	5	B00R.062.062ad	00	0.5	0.5	0.25	270	0.0	0.5	24.7	14.7	
6	B00R.075.075ad	00	0.625	0.625	0.312	270	0.0	0.625	24.8	18.4	6	B00R.075.075ad	00	0.625	0.625	0.312	270	0.0	0.625	24.8	18.4	
7	B00R.087.087ad	00	0.75	0.75	0.375	270	0.0	0.75	24.9	22.1	7	B00R.087.087ad	00	0.75	0.75	0.375	270	0.0	0.75	24.9	22.1	
8	B00R.100.100ad	00	0.875	0.875	0.437	270	0.0	0.875	24.9	25.8	8	B00R.100.100ad	00	0.875	0.875	0.437	270	0.0	0.875	24.9	25.8	
9	B00R.012.012ad	00	1.0	1.0	0.5	270	0.0	1.0	25.0	29.5	9	B00R.012.012ad	00	1.0	1.0	0.5	270	0.0	1.0	25.0	29.5	
10	G50B.012.012ad	00	0.125	0.125	0.062	150	0.0	0.125	27.5	-8.1	3.7	10	G50B.012.012ad	00	0.125	0.125	0.062	150	0.0	0.125	27.5	-8.1
11	G50B.025.025ad	00	0.125	0.125	0.062	210	0.0	0.125	28.3	-3.1	-5.1	11	G50B.025.025ad	00	0.125	0.125	0.062	210	0.0	0.125	28.3	-3.1
12	G84B.037.037ad	00	0.125	0.125	0.062	210	0.0	0.125	28.4	-3.1	-5.1	12	G84B.037.037ad	00	0.125	0.125	0.062	210	0.0	0.125	28.4	-3.1
13	G88B.050.050ad	00	0.125	0.125	0.062	256	0.0	0.116	0.375	28.3	7.6	13	G88B.050.050ad	00	0.125	0.125	0.062	256	0.0	0.116	0.375	28.3
14	G92B.062.062ad	00	0.125	0.125	0.062	256	0.0	0.116	0.375	28.3	7.6	14	G92B.062.062ad	00	0.125	0.125	0.062	256	0.0	0.116	0.375	28.3
15	G92B.075.075ad	00	0.125	0.125	0.062	256	0.0	0.114	0.625	28.2	11.6	15	G92B.075.075ad	00	0.125	0.125	0.062	256	0.0	0.114	0.625	28.2
16	G93B.087.087ad	00	0.125	0.125	0.062	263	0.0	0.112	0.375	28.2	15.5	16	G93B.087.087ad	00	0.125	0.125	0.062	263	0.0	0.112	0.375	28.2
17	G94B.100.100ad	00	0.125	0.125	0.062	263	0.0	0.116	0.875	28.3	19.1	17	G94B.100.100ad	00	0.125	0.125	0.062	263	0.0	0.116	0.875	28.3
18	G25B.025.025ad	00	0.25	0.25	0.125	150	0.0	0.116	0.875	28.3	22.8	18	G25B.025.025ad	00	0.25	0.25	0.125	150	0.0	0.116	0.875	28.3
19	G25B.037.037ad	00	0.25	0.25	0.125	180	0.0	0.116	0.875	28.3	22.8	19	G25B.037.037ad	00	0.25	0.25	0.125	180	0.0	0.116	0.875	28.3
20	G25B.050.050ad	00	0.25	0.25	0.125	180	0.0	0.116	0.875	28.3	22.8	20	G25B.050.050ad	00	0.25	0.25	0.125	180	0.0	0.116	0.875	28.3
21	G25B.062.062ad	00	0.25	0.25	0.125	240	0.0	0.116	0.875	28.3	22.8	21	G25B.062.062ad	00	0.25	0.25	0.125	240	0.0	0.116	0.875	28.3
22	G25B.075.075ad	00	0.25	0.25	0.125	240	0.0	0.116	0.875	28.3	22.8	22	G25B.075.075ad	00	0.25	0.25	0.125	240	0.0	0.116	0.875	28.3
23	G25B.087.087ad	00	0.25	0.25	0.125	247	0.0	0.116	0.875	28.3	22.8	23	G25B.087.087ad	00	0.25	0.25	0.125	247	0.0	0.116	0.875	28.3
24	G25B.100.100ad	00	0.25	0.25	0.125	251	0.0	0.116	0.875	28.3	22.8	24	G25B.100.100ad	00	0.25	0.25	0.125	251	0.0	0.116	0.875	28.3
25	G86B.075.075ad	00	0.25	0.25	0.125	251	0.0	0.116	0.875	28.3	22.8	25	G86B.075.075ad	00	0.25	0.25	0.125	251	0.0	0.116	0.875	28.3
26	G86B.100.100ad	00	0.25	0.25	0.125	256	0.0	0.116	0.875	28.3	22.8	26	G86B.100.100ad	00	0.25	0.25	0.125	256	0.0	0.116	0.875	28.3
27	G00B.037.037ad	00	0.375	0.375	0.187	150	0.0	0.375	0.118	34.6	-24.3	27	G00B.037.037ad	00	0.375	0.375	0.187	150	0.0	0.375	0.118	34.6
28	G00B.050.050ad	00	0.375	0.375	0.187	169	0.0	0.375	0.118	34.6	-24.3	28	G00B.050.050ad	00	0.375	0.375	0.187	169	0.0	0.375	0.118	34.6
29	G34B.037.037ad	00	0.375	0.375	0.187	191	0.0	0.375	0.256	35.6	-14.8	29	G34B.037.037ad	00	0.375	0.375	0.187	191	0.0	0.375	0.256	35.6
30	G61B.050.050ad	00	0.375	0.375	0.187	210	0.0	0.375	0.375	36.5	-9.5	30	G61B.050.050ad	00	0.375	0.375	0.187	210	0.0	0.375	0.375	36.5
31	G69B.062.062ad	00	0.375	0.375	0.187	210	0.0	0.375	0.375	36.5	-9.5	31	G69B.062.062ad	00	0.375	0.375	0.187	210	0.0	0.375	0.375	36.5
32	G69B.075.075ad	00	0.375	0.375	0.187	210	0.0	0.375	0.375	36.5	-9.5	32	G69B.075.075ad	00	0.375	0.375	0.187	210	0.0	0.375	0.375	36.5
33	G79B.075.075ad	00	0.375	0.375	0.187	240	0.0	0.375	0.375	36.5	-9.5	33	G79B.075.075ad	00	0.375	0.375	0.187	240	0.0	0.375	0.375	36.5
34	G79B.087.087ad	00	0.375	0.375	0.187	240	0.0	0.375	0.375	36.5	-9.5	34	G79B.087.087ad	00	0.375	0.375	0.187	240	0.0	0.375	0.375	36.5
35	G81B.100.100ad	00	0.375	0.375	0.187	240	0.0	0.375	0.375	36.5	-9.5	35	G81B.100.100ad	00	0.375	0.375	0.187	240	0.0	0.375	0.375	36.5
36	G00B.050.050ad	00	0.5	0.5	0.25	150	0.0	0.5	0.116	37.2	-32.5	36	G00B.050.050ad	00	0.5	0.5	0.25	150	0.0	0.5	0.116	37.2
37	G11B.050.050ad	00	0.5	0.5	0.25	164	0.0	0.5	0.116	37.2	-32.5	37	G11B.050.050ad	00	0.5	0.5	0.25	164	0.0	0.5	0.116	37.2
38	G25B.050.050ad	00	0.5	0.5	0.25	180	0.0	0.5	0.116	37.2	-32.5	38	G25B.050.050ad	00	0.5	0.5	0.25	180	0.0	0.5	0.116	37.2
39	G38B.050.050ad	00	0.5	0.5	0.25	196	0.0	0.5	0.116	37.2	-32.5	39	G38B.050.050ad	00	0.5	0.5	0.25	196	0.0	0.5	0.116	37.2
40	G59B.050.050ad	00	0.5	0.5	0.25	210	0.0	0.5	0.116	37.2	-32.5	40	G59B.050.050ad	00	0.5	0.5	0.25	210	0.0	0.5	0.116	37.2
41	G59B.062.062ad	00	0.5	0.5	0.25	221	0.0	0.51	0.625	41.9	-11.5	41	G59B.062.062ad	00	0.5	0.5	0.25	221	0.0	0.51	0.625	41.9
42	G65B.075.075ad	00	0.5	0.5	0.25	229	0.0	0.51	0.625	41.9	-11.5	42	G65B.075.075ad	00	0.5	0.5	0.25	229	0.0	0.51	0.625	41.9
43	G70B.087.087ad	00	0.5	0.5	0.25	235	0.0	0.51	0.625	41.9	-11.5	43	G70B.087.087ad	00	0.5	0.5	0.25	235	0.0	0.51	0.625	41.9
44	G75B.100.100ad	00	0.5	0.5	0.25	240	0.0	0.5	0.116	37.2	-32.5	44	G75B.100.100ad	00	0.5	0.5	0.25	240	0.0	0.5	0.116	37.2
45	G00B.062.062ad	00	0.625	0.625	0.312	150	0.0	0.625	0.114	40.4	-38.2	45	G00B.062.062ad	00	0.625	0.625	0.312	150	0.0	0.625	0.114	40.4
46	G00B.062.062ad	00	0.625	0.625	0.312	161	0.0	0.625	0.239	41.6	-33.9	46	G00B.062.062ad	00	0.625	0.625	0.312	161	0.0	0.625	0.239	41.6
47	G19B.062.062ad	00	0.625	0.625	0.312	173	0.0	0.625	0.385	42.8	-26.7	47	G19B.062.062ad	00	0.625	0.625	0.312	173	0.0	0.625	0.385	42.8
48	G40B.062.062ad	00	0.625	0.625	0.312	187	0.0	0.625	0.385	42.8	-26.7	48	G40B.062.062ad	00	0.625	0.625	0.312	187	0.0	0.625	0.385	42.8
49	G40B.062.062ad	00	0.625	0.625	0.312	199	0.0	0.625	0.385	42.8	-26.7	49	G40B.062.062ad	00	0.625	0.625	0.312	199	0.0	0.625	0.385	42.8
50	G40B.062.062ad	00	0.625	0.625	0.312	210	0.0	0.625	0.385	42.8	-26.7	50	G40B.062.062ad	00	0.625	0.625	0.312	210	0.0	0.625	0.385	42.8
51	G63B.087.087ad	00	0.625	0.625	0.312	210	0.0	0.625	0.385	42.8	-26.7	51	G63B.087.087ad	00	0.625	0.625	0.312	210	0.0	0.625	0.385	42.8
52	G63B.087.087ad	00	0.625	0.625	0.312	210	0.0	0.625	0.385	42.8	-26.7	52	G63B.087.087ad	00	0.625	0.625	0.312	210	0.0	0.625	0.385	42.8
53	G68B.100.100ad	00	0.625	0.625	0.312	224	0.0	0.625	0.385	42.8	-26.7	53	G68B.100.100ad	00	0.625	0.625	0.312	224	0.0	0.625	0.385	42.8
54	G68B.100.100ad	00	0.625	0.625	0.312	224	0.0	0.625	0.385	42.8	-26.7	54	G68B.100.100ad	00	0.625	0.625	0.312	224	0.0	0.625	0.385	42.8
55	G00B.075.075ad	00	0.75	0.75	0.375	150	0.0	0.75	0.112	43.1	-46.6	55	G00B.075.075ad	00	0.75	0.75	0.375	150	0.0	0.75	0.112	43.1
56	G00B.075.075ad	00	0.75	0.75	0.375																	



TUB material: code=rha4ta
ny0* (CMY0)

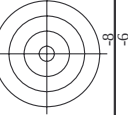
input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
 output: 3D-linearization to *cmy0**_{dd}

1-1032031-F0
RE170-7N, Page 21/33-F

$$H_d^* = B00R_d$$

C	M	Y

```
7; hue code:
```

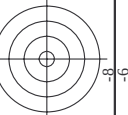


see similar files: <http://130.149.60.45/~farbmatrik/RE17/RE17.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart RE17; hue code: H^{*}_d=B00R_d

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

[illegible]



TUB material: code=rha4ta
my0* (CMY0)

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

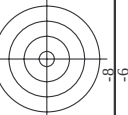
1-1032331-F0	RE170-7N, Page 24/33-F	1-1032331-F0
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on 11/11/11

Input: $rgb/cm\gamma k \rightarrow rgbdd$

7. Linear codes

colors and differences, ΔE^*

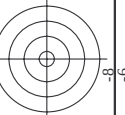


TUB material: code=rha4ta
ny0* (CMY0)

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

REI170-7N, Page 25/33-F

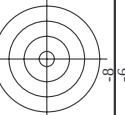
see similar files: <http://130.149.60.45/~farbmetrik/RE17/RE17.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



TUB material: code=rha4ta
ny0* (CMY0)

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

<i>n</i>	HIC ^{Refd}	rgb ^{Refd}	lcr ^{Refd}	hs ^{Refd}	rgb ^{Refd}	LabCH ^{Refd}	cmym ^{Refd}	hs ^{Mid}	rgb ^{Mid}	LabCH ^{Mid}	delta		
486	R00Y_075_075ad	0.75	0.0	0.75	0.75	40.2	32.3	33.6	62.9	0.0	83.9	32.3	
487	R35Y_075_075ad	0.75	0.125	0.75	0.75	40.2	61.1	28.5	61.1	45.4	44.8	39.0	
488	R18Y_075_075ad	0.75	0.0	0.75	0.0	40.2	53.7	29.2	53.7	0.0	81.5	28.5	
489	R18Y_075_075ad	0.75	0.0	0.75	0.0	40.2	53.7	29.2	53.7	0.0	81.5	28.5	
490	R65R_075_075ad	0.75	0.0	0.75	0.0	40.2	57.3	15.9	57.3	0.0	77.1	15.9	
491	B57R_075_075ad	0.75	0.0	0.75	0.0	40.2	58.0	8.9	58.0	0.0	68.3	8.9	
492	B50R_075_075ad	0.75	0.0	0.75	0.0	40.2	58.6	3.7	58.6	0.0	68.5	3.7	
493	B50R_075_075ad	0.75	0.0	0.75	0.0	40.2	59.4	35.9	59.4	0.0	46.1	35.9	
494	B43R_087_087ad	0.75	0.0	0.875	0.758	40.6	65.7	65.7	65.7	0.0	44.0	74.9	
495	B38R_100_100ad	0.75	1.0	1.0	0.766	41.0	72.1	353.0	317	0.766	0.0	72.1	353.0
496	R15Y_075_075ad	0.75	0.0	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
497	R15Y_075_062ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
498	R31Y_075_062ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
499	R11Y_075_062ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
500	B69R_075_062ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
501	B50R_075_062ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
502	B42R_087_087ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
503	B36R_100_087ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
504	R31Y_075_075ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
505	R15Y_075_062ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
506	R00Y_075_060ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
507	R00Y_075_060ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
508	R00Y_075_060ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
509	B61R_075_060ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
510	B50R_075_060ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
511	B40R_087_087ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
512	B34R_100_075ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
513	R30Y_075_075ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
514	R38Y_075_062ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
515	R23Y_075_062ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
516	R20Y_075_062ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
517	R18Y_075_062ad	0.75	0.125	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
518	B65R_075_037ad	0.75	0.375	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
519	B50R_075_037ad	0.75	0.375	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
520	B38R_087_087ad	0.75	0.375	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
521	B30R_087_050ad	0.75	0.375	0.75	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
522	R68Y_075_075ad	0.75	0.5	1.0	0.625	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
523	R61Y_075_062ad	0.75	0.5	1.0	0.625	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
524	R31Y_075_037ad	0.75	0.5	1.0	0.625	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
525	R00Y_075_025ad	0.75	0.5	1.0	0.625	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
526	R00Y_075_025ad	0.75	0.5	1.0	0.625	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
527	R00Y_075_025ad	0.75	0.5	1.0	0.625	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
528	B50R_075_025ad	0.75	0.5	1.0	0.625	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
529	B34R_087_037ad	0.75	0.5	1.0	0.625	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
530	B25R_100_050ad	0.75	0.5	1.0	0.625	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
531	R85Y_075_075ad	0.75	0.625	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
532	R85Y_075_062ad	0.75	0.625	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
533	R76Y_075_037ad	0.75	0.625	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
534	R80Y_075_037ad	0.75	0.625	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
535	R30Y_075_025ad	0.75	0.625	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
536	R00Y_075_012ad	0.75	0.625	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
537	B50R_075_012ad	0.75	0.625	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
538	B25R_087_025ad	0.75	0.625	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
539	B15R_100_037ad	0.75	0.625	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
540	Y00G_075_037ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
541	Y00G_075_062ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
542	Y00G_075_037ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
543	Y00G_075_037ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
544	Y00G_075_025ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
545	Y00G_075_025ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
546	NW_075ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
547	B00R_075_012ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
548	B00R_100_025ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
549	Y13G_087_087ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
550	Y15G_087_075ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
551	Y18G_087_062ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
552	Y33G_087_050ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
553	Y31G_087_037ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
554	Y50G_087_025ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
555	G00B_087_012ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
556	G50B_087_025ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
557	G75B_100_025ad	0.75	0.75	1.0	0.75	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
558	Y23G_100_100ad	0.75	1.0	1.0	1.0	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
559	Y26G_100_087ad	0.75	1.0	1.0	1.0	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
560	Y38G_100_062ad	0.75	1.0	1.0	1.0	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
561	Y38G_100_062ad	0.75	1.0	1.0	1.0	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
562	Y50G_100_050ad	0.75	1.0	1.0	1.0	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
563	Y68G_100_037ad	0.75	1.0	1.0	1.0	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
564	G00B_100_025ad	0.75	1.0	1.0	1.0	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
565	G25B_100_025ad	0.75	1.0	1.0	1.0	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0
566	G50B_100_025ad	0.75	1.0	1.0	1.0	41.1	38.0	59.3	39.0	0.311	0.843	0.999	0.0



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	lca-Fold	hsa-Fold	rgb-Fold	LabCh-Fold	cmyp-sep-Fold	hsa-Fold	rgb-Fold	LabCh-Fold	delta				
567	R00Y.087.087Ad	0.875	0.0	0.875	0.875	0.437	390	390	1.0	0.0	45.4	70.9	44.8	83.9	32.3
568	R36Y.087.087Ad	0.875	0.125	0.875	0.875	0.437	382	382	1.0	0.0	0.133	45.5	71.5	39.7	81.8
569	R20Y.087.087Ad	0.875	0.0	0.875	0.875	0.437	374	374	1.0	0.0	0.266	45.6	72.3	33.8	79.9
570	R33Y.087.087Ad	0.875	0.0	0.875	0.875	0.437	365	365	1.0	0.0	0.416	45.8	73.4	25.9	77.9
571	B70R.087.087Ad	0.875	0.0	0.875	0.875	0.437	355	355	1.0	0.0	0.583	45.9	75.2	16.9	77.1
572	B63R.087.087Ad	0.875	0.0	0.875	0.875	0.437	346	346	1.0	0.0	0.733	45.9	77.0	9.4	77.5
573	B56R.087.087Ad	0.875	0.0	0.875	0.875	0.437	338	338	1.0	0.0	0.866	45.9	78.1	4.4	78.3
574	B50R.087.087Ad	0.875	0.0	0.875	0.875	0.437	330	330	1.0	0.0	0.885	45.9	78.1	4.4	78.3
575	B44R.100.100Ad	0.875	0.0	1.0	1.0	0.5	323	323	1.0	0.0	1.0	46.1	79.3	-0.2	79.3
576	R13Y.087.087Ad	0.875	0.125	0.875	0.875	0.437	316	316	1.0	0.0	0.443	75.4	-4.7	75.6	356.3
577	R00Y.087.075Ad	0.875	0.125	0.875	0.875	0.437	307	307	1.0	0.0	0.133	46.2	62.1	49.8	79.6
578	R35Y.087.075Ad	0.875	0.125	0.875	0.875	0.437	297	297	1.0	0.0	0.15	45.5	71.6	39.0	81.5
579	R18Y.087.075Ad	0.875	0.125	0.875	0.875	0.437	287	287	1.0	0.0	0.316	45.7	72.6	31.2	79.1
580	R00Y.087.075Ad	0.875	0.125	0.875	0.875	0.437	278	278	1.0	0.0	0.5	45.9	74.2	21.1	77.3
581	B65R.087.075Ad	0.875	0.125	0.875	0.875	0.437	269	269	1.0	0.0	0.683	45.9	76.4	11.9	77.3
582	B57R.087.075Ad	0.875	0.125	0.875	0.875	0.437	260	260	1.0	0.0	0.85	45.9	78.0	5.0	78.2
583	B50R.087.075Ad	0.875	0.125	0.875	0.875	0.437	251	251	1.0	0.0	1.0	46.1	79.3	-0.2	79.3
584	B43R.100.087Ad	0.875	0.125	1.0	1.0	0.875	242	242	1.0	0.0	0.866	0.0	1.0	44.0	74.9
585	R26Y.087.087Ad	0.875	0.25	0.875	0.875	0.437	233	233	1.0	0.0	0.266	0.0	1.0	54.4	50.4
586	R15Y.087.075Ad	0.875	0.25	0.875	0.875	0.437	224	224	1.0	0.0	0.15	0.0	49.8	60.7	56.5
587	R38Y.087.062Ad	0.875	0.25	0.875	0.875	0.562	215	215	1.0	0.0	0.133	45.4	71.8	39.0	81.5
588	R31Y.087.062Ad	0.875	0.25	0.875	0.875	0.562	206	206	1.0	0.0	0.183	45.5	70.9	44.8	83.9
589	R11Y.087.062Ad	0.875	0.25	0.875	0.875	0.562	197	197	1.0	0.0	0.383	45.5	71.8	37.5	81.0
590	B69R.087.062Ad	0.875	0.25	0.875	0.875	0.562	188	188	1.0	0.0	0.583	45.6	73.0	27.6	78.2
591	B60R.087.062Ad	0.875	0.25	0.875	0.875	0.562	179	179	1.0	0.0	0.616	46.0	75.5	17.1	77.1
592	B52R.087.062Ad	0.875	0.25	0.875	0.875	0.562	170	170	1.0	0.0	0.816	45.9	77.7	6.2	79.3
593	B42R.100.075Ad	0.875	0.25	1.0	1.0	0.75	161	161	1.0	0.0	1.0	43.7	74.3	-5.9	74.6
594	R41Y.087.087Ad	0.875	0.375	0.875	0.875	0.437	155	155	1.0	0.0	0.416	61.0	36.6	64.5	74.1
595	R31Y.087.087Ad	0.875	0.375	0.875	0.875	0.437	146	146	1.0	0.0	0.316	56.6	45.8	59.2	74.9
596	R18Y.087.062Ad	0.875	0.375	0.875	0.875	0.562	141	141	1.0	0.0	0.183	51.1	57.8	52.5	78.1
597	R00Y.087.050Ad	0.875	0.375	0.875	0.875	0.437	132	132	1.0	0.0	0.416	45.4	70.9	44.8	83.9
598	R26Y.087.050Ad	0.875	0.375	0.875	0.875	0.437	123	123	1.0	0.0	0.233	45.5	72.1	35.3	80.3
599	R00Y.087.050Ad	0.875	0.375	0.875	0.875	0.437	114	114	1.0	0.0	0.416	45.5	72.1	35.3	80.3
600	B61R.087.050Ad	0.875	0.375	0.875	0.875	0.437	105	105	1.0	0.0	0.766	45.9	77.3	8.0	77.7
601	B50R.087.050Ad	0.875	0.375	0.875	0.875	0.437	96	96	1.0	0.0	0.816	0.0	1.0	46.1	79.3
602	B40R.100.062Ad	0.875	0.375	1.0	1.0	0.625	687	687	1.0	0.0	0.431	73.2	-7.0	73.6	354.4
603	R53Y.087.087Ad	0.875	0.5	0.875	0.875	0.437	65	65	1.0	0.0	0.583	0.0	69.7	20.2	74.6
604	R30Y.087.075Ad	0.875	0.5	0.875	0.875	0.437	56	56	1.0	0.0	0.416	69.7	20.2	74.6	77.3
605	R38Y.087.062Ad	0.875	0.5	0.875	0.875	0.562	53	53	1.0	0.0	0.383	0.0	59.5	39.5	62.5
606	R20Y.087.050Ad	0.875	0.5	0.875	0.875	0.437	44	44	1.0	0.0	0.233	0.0	53.0	53.4	54.8
607	R00Y.087.037Ad	0.875	0.5	0.875	0.875	0.687	390	390	1.0	0.0	0.416	45.4	70.9	44.8	83.9
608	R18Y.087.037Ad	0.875	0.5	0.875	0.875	0.687	371	371	1.0	0.0	0.316	45.7	72.6	31.2	79.1
609	B65R.087.037Ad	0.875	0.5	0.875	0.875	0.687	349	349	1.0	0.0	0.683	45.9	76.4	11.9	77.3
610	B50R.087.037Ad	0.875	0.5	0.875	0.875	0.687	330	330	1.0	0.0	1.0	46.1	79.3	-0.2	79.3
611	B38R.100.050Ad	0.875	0.5	1.0	1.0	0.5	316	316	1.0	0.0	0.766	0.0	1.0	42.1	71.6
612	R73Y.087.087Ad	0.875	0.625	0.875	0.875	0.437	74	74	1.0	0.0	0.733	0.0	77.1	6.9	83.0
613	R67Y.087.075Ad	0.875	0.625	0.875	0.875	0.437	65	65	1.0	0.0	0.683	0.0	74.8	11.0	80.4
614	R61Y.087.062Ad	0.875	0.625	0.875	0.875	0.562	67	67	1.0	0.0	0.616	0.0	71.6	16.4	76.6
615	R30Y.087.050Ad	0.875	0.625	0.875	0.875	0.437	58	58	1.0	0.0	0.416	45.4	70.9	44.8	83.9
616	R11Y.087.037Ad	0.875	0.625	0.875	0.875	0.687	49	49	1.0	0.0	0.316	0.0	56.6	45.8	59.2
617	R00Y.087.025Ad	0.875	0.625	0.875	0.875	0.437	40	40	1.0	0.0	0.5	45.9	74.2	21.1	77.3
618	R00Y.087.025Ad	0.875	0.625	0.875	0.875	0.437	31	31	1.0	0.0	0.816	0.0	39.8	68.1	-11.9
619	B50R.087.025Ad	0.875	0.625	0.875	0.875	0.437	22	22	1.0	0.0	1.0	46.1	79.3	-0.2	79.3
620	B34R.100.037Ad	0.875	0.625	1.0	1.0	0.375	181	181	1.0	0.0	0.866	0.0	83.1	-2.8	89.8
621	R66Y.087.087Ad	0.875	0.75	0.875	0.875	0.437	82	82	1.0	0.0	0.816	0.0	82.3	-1.5	88.0
622	R65Y.087.075Ad	0.875	0.75	0.875	0.875	0.437	73	73	1.0	0.0	0.766	0.0	80.8	0.8	87.3
623	R61Y.087.062Ad	0.875	0.75	0.875	0.875	0.562	79	79	1.0	0.0	0.683	0.0	74.8	4.3	84.7
624	R67Y.087.050Ad	0.875	0.75	0.875	0.875	0.437	70	70	1.0	0.0	0.816	0.0	80.4	91.1	82.1
625	R68Y.087.037Ad	0.875	0.75	0.875	0.875	0.437	61	61	1.0	0.0	1.0	46.1	79.3	-0.2	79.3
626	R69Y.087.025Ad	0.875	0.75	0.875	0.875	0.437	52	52	1.0	0.0	0.816	0.0	80.4	91.1	82.1
627	R68Y.087.025Ad	0.875	0.75	0.875	0.875	0.437	43	43	1.0	0.0	0.816	0.0	80.4	91.1	82.1
628	B50R.087.012Ad	0.875	0.75	0.875	0.875	0.437	34	34	1.0	0.0	1.0	46.1	79.3	-0.2	79.3
629	B25R.100.025Ad	0.875	0.75	1.0	1.0	0.25	309	309	1.0	0.0	0.816	0.0	83.1	-2.8	89.8
630	Y00G.087.087Ad	0.875	0.75	1.0	1.0	0.25	300	300	1.0	0.0	0.816	0.0	83.1	-2.8	89.8
631	Y00G.087.075Ad	0.875	0.75	1.0	1.0	0.25	291	291	1.0	0.0	0.816	0.0	83.1	-2.8	89.8
632	Y00G.087.062Ad	0.875	0.75	1.0	1.0	0.25	282	282	1.0	0.0	0.816	0.0	83.1	-2.8	89.8
633	Y00G.087.050Ad	0.875	0.75	1.0	1.0	0.25	273	273	1.0	0.0	0.816	0.0	83.1	-2.8	89.8
634	Y00G.087.037Ad	0.875	0.75	1.0	1.0	0.25	264	264	1.0	0.0	0.816	0.0	83.1	-2.8	89.8
635	Y00G.087.025Ad	0.875	0.75	1.0	1.0	0.25	255	255	1.0	0.0	0.816	0.0	83.1	-2.8	89.8
636	Y00G.087.012Ad	0.875	0.75	1.0	1.0	0.25	246	246	1.0	0.0	0.816	0.0	83.1	-2.8	89.8
637	Y00G.087.007Ad	0.875	0.75	1.0	1.0	0.25	237	237	1.0	0.0	0.816	0.0	83.1	-2.8	89.8
638	Y00G.087.002Ad	0.875	0.75	1.0	1.0	0.25	228	228	1.0	0.0	0.816	0.0	83.1	-2.8	89.8
639	Y00G.087.000Ad	0.875	0.75	1.0	1.0	0.25	219	219	1.0	0.0	0.816	0.0	83.1	-2.8	89.8
640	Y13G.100.100Ad	0.875	1.0	1.0	1.0	0.5	97	97	1.0	0.0	1.0	25.0	29.5	-40.4	50.0
641	Y13G.100.087Ad	0.875	1.0	1.0	1.0	0.5	98	98	1.0	0.0	1.0	25.0	29.5	-40.4	50.0
642	Y18G.100.062Ad	0.875	1.0	1.0	1.0	0.5	99	99	1.0	0.0	1.0	25.0	29.5	-40.4	50.0
643	Y23G.100.050Ad	0.875	1.0	1.0	1.0	0.5	100	100	1.0	0.0	1.0	25.0	29.5	-40.4	50.0
644	Y31G.100.037Ad	0.875	1.0	1.0	1.0	0.5	101	101	1.0	0.0	1.0	25.0	29.5	-40.4	50.0
645	Y50G.100.025Ad	0.875	1.0	1.0	1.0	0.5	102	102	1.0	0.0	1.0	25.0	29.5	-40.4	50.0
646	G00R.100.012Ad	0.875	1.0	1.0	1.0	0.5	103	103	1.0	0.0	1.0	25.0	29.5	-40.4	50.0
647	G50R.100.012Ad	0.875	1.0	1.											

http://130.149.60.45/~farbmatrik/RE17/RE17L0FA.TXT /PS; 3D-linearization
F: 3D-linearization RE17/RE17LE30FA.DAT in file (F), page 28/33

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

TUB-test chart RE17; hue code: H_d^{*}=B00R_d

A vertical bar chart with four segments of increasing height, colored from light to dark gray. To the right of the chart is a target symbol consisting of concentric circles.

ID	n	HIC ^{Fold}	rgb ^{Fold}		ict ^{Fold}	hsa ^{Fold}		LabCh ^{Fold}		cmvtr ^{sep,Fold}	hsa ^{Mid}		rgb ^{Mid}		LabCh ^{Mid}			
			0.0	1.0		0.0	0.5	390	1.0		0.0	45.4	70.9	0.0	1.0	389	1.0	0.0
648	648	R00Y_100_1000d	1.0	0.0	0.0	1.0	0.5	390	1.0	0.0	0.0	389	1.0	0.0	0.0	0.0	83.9	32.3
649	649	R38Y_100_1000d	1.0	0.0	0.125	1.0	0.5	383	1.0	0.0	0.116	383	1.0	0.0	0.116	45.4	40.4	82.1
650	650	R26Y_100_1000d	1.0	0.0	0.25	1.0	0.5	376	1.0	0.0	0.233	377	1.0	0.0	0.233	45.6	72.1	35.3
651	651	R13Y_100_1000d	1.0	0.0	0.375	1.0	0.5	368	1.0	0.0	0.366	368	1.0	0.0	0.366	45.8	72.9	28.7
652	652	R00Y_100_1000d	1.0	0.0	0.5	1.0	0.5	360	1.0	0.0	0.5	360	1.0	0.0	0.5	45.9	74.2	21.1
653	653	R68R_100_1000d	1.0	0.0	0.625	1.0	0.5	352	1.0	0.0	0.633	351	1.0	0.0	0.633	46.0	75.7	14.4
654	654	B61R_100_1000d	1.0	0.0	0.75	1.0	0.5	344	1.0	0.0	0.766	342	1.0	0.0	0.766	45.9	77.3	8.0
655	655	B51R_100_1000d	1.0	0.0	0.875	1.0	0.5	337	1.0	0.0	0.883	336	1.0	0.0	0.883	45.9	78.3	3.8
656	656	B50R_100_1000d	1.0	0.0	1.0	1.0	0.5	330	1.0	0.0	1.0	330	1.0	0.0	1.0	46.1	79.3	2.8
657	657	R11Y_100_1000d	1.0	0.0	1.0	1.0	0.5	330	1.0	0.0	1.0	36	1.0	0.0	1.0	46.1	79.3	0.2
658	658	R00Y_100_087d	1.0	0.0	0.875	1.0	0.562	390	1.0	0.0	0.882	389	1.0	0.0	0.882	45.9	78.3	3.8
659	659	R36Y_100_087d	1.0	0.0	0.875	1.0	0.562	382	1.0	0.0	0.882	382	1.0	0.0	0.882	45.9	78.3	3.8
660	660	R23Y_100_087d	1.0	0.0	0.875	1.0	0.562	374	1.0	0.0	0.882	375	1.0	0.0	0.882	45.9	78.3	3.8
661	661	R61Y_100_087d	1.0	0.0	0.875	1.0	0.562	365	1.0	0.0	0.882	365	1.0	0.0	0.882	45.9	78.3	3.8
662	662	B70R_100_087d	1.0	0.0	0.875	1.0	0.562	355	1.0	0.0	0.882	354	1.0	0.0	0.882	45.9	78.3	3.8
663	663	B63R_100_087d	1.0	0.0	0.875	1.0	0.562	346	1.0	0.0	0.882	344	1.0	0.0	0.882	45.9	78.3	3.8
664	664	B56R_100_087d	1.0	0.0	0.875	1.0	0.562	338	1.0	0.0	0.882	337	1.0	0.0	0.882	45.9	78.3	3.8
665	665	B50R_100_087d	1.0	0.0	0.875	1.0	0.562	330	1.0	0.0	0.882	330	1.0	0.0	0.882	45.9	78.3	3.8
666	666	R23Y_100_1000d	1.0	0.0	1.0	1.0	0.5	44	1.0	0.0	1.0	42	1.0	0.0	1.0	46.1	79.3	0.2
667	667	R13Y_100_087d	1.0	0.0	1.0	1.0	0.5	44	1.0	0.0	1.0	36	1.0	0.0	1.0	46.1	79.3	0.2
668	668	R00Y_100_075d	1.0	0.0	0.875	1.0	0.562	38	1.0	0.0	0.882	38	1.0	0.0	0.882	45.9	78.3	3.8
669	669	R36Y_100_075d	1.0	0.0	0.875	1.0	0.562	391	1.0	0.0	0.882	389	1.0	0.0	0.882	45.9	78.3	3.8
670	670	R18Y_100_075d	1.0	0.0	0.875	1.0	0.562	380	1.0	0.0	0.882	382	1.0	0.0	0.882	45.9	78.3	3.8
671	671	R00Y_100_075d	1.0	0.0	0.875	1.0	0.562	370	1.0	0.0	0.882	371	1.0	0.0	0.882	45.9	78.3	3.8
672	672	B65R_100_075d	1.0	0.0	0.875	1.0	0.562	349	1.0	0.0	0.882	348	1.0	0.0	0.882	45.9	78.3	3.8
673	673	B57R_100_075d	1.0	0.0	0.875	1.0	0.562	339	1.0	0.0	0.882	337	1.0	0.0	0.882	45.9	78.3	3.8
674	674	B50R_100_075d	1.0	0.0	0.875	1.0	0.562	330	1.0	0.0	0.882	330	1.0	0.0	0.882	45.9	78.3	3.8
675	675	R36Y_100_1000d	1.0	0.0	1.0	1.0	0.5	52	1.0	0.0	1.0	51	1.0	0.0	1.0	46.1	79.3	0.2
676	676	R26Y_100_087d	1.0	0.0	1.0	1.0	0.5	46	1.0	0.0	1.0	44	1.0	0.0	1.0	46.1	79.3	0.2
677	677	R13Y_100_087d	1.0	0.0	1.0	1.0	0.5	46	1.0	0.0	1.0	44	1.0	0.0	1.0	46.1	79.3	0.2
678	678	R00Y_100_062d	1.0	0.0	0.875	1.0	0.562	390	1.0	0.0	0.882	389	1.0	0.0	0.882	45.9	78.3	3.8
679	679	R36Y_100_062d	1.0	0.0	0.875	1.0	0.562	380	1.0	0.0	0.882	382	1.0	0.0	0.882	45.9	78.3	3.8
680	680	R11Y_100_062d	1.0	0.0	0.875	1.0	0.562	367	1.0	0.0	0.882	367	1.0	0.0	0.882	45.9	78.3	3.8
681	681	B68R_100_062d	1.0	0.0	0.875	1.0	0.562	353	1.0	0.0	0.882	352	1.0	0.0	0.882	45.9	78.3	3.8
682	682	B59R_100_062d	1.0	0.0	0.875	1.0	0.562	341	1.0	0.0	0.882	339	1.0	0.0	0.882	45.9	78.3	3.8
683	683	B50Y_100_062d	1.0	0.0	0.875	1.0	0.562	330	1.0	0.0	0.882	330	1.0	0.0	0.882	45.9	78.3	3.8
684	684	R00Y_100_1000d	1.0	0.0	1.0	1.0	0.5	60	1.0	0.0	1.0	59	1.0	0.0	1.0	46.1	79.3	0.2
685	685	R41Y_100_087d	1.0	0.0	0.875	1.0	0.562	55	1.0	0.0	0.882	54	1.0	0.0	0.882	45.9	78.3	3.8
686	686	R31Y_100_075d	1.0	0.0	0.875	1.0	0.562	49	1.0	0.0	0.882	48	1.0	0.0	0.882	45.9	78.3	3.8
687	687	R18Y_100_062d	1.0	0.0	0.875	1.0	0.562	41	1.0	0.0	0.882	39	1.0	0.0	0.882	45.9	78.3	3.8
688	688	R00Y_100_050d	1.0	0.0	0.5	0.5	0.5	390	1.0	0.0	0.5	389	1.0	0.0	0.5	45.9	74.2	21.1
689	689	R26Y_100_050d	1.0	0.0	0.625	1.0	0.5	376	1.0	0.0	0.633	377	1.0	0.0	0.633	46.0	75.7	14.4
690	690	R00Y_100_050d	1.0	0.0	0.75	1.0	0.5	370	1.0	0.0	0.75	360	1.0	0.0	0.75	45.9	74.2	21.1
691	691	B61R_100_050d	1.0	0.0	0.875	1.0	0.5	344	1.0	0.0	0.883	342	1.0	0.0	0.883	45.9	78.3	3.8
692	692	B50R_100_050d	1.0	0.0	1.0	1.0	0.5	330	1.0	0.0	1.0	330	1.0	0.0	1.0	46.1	79.3	0.2
693	693	R63Y_100_1000d	1.0	0.0	0.625	1.0	0.5	68	1.0	0.0	0.633	68	1.0	0.0	0.633	46.0	75.7	14.4
694	694	R58Y_100_087d	1.0	0.0	0.875	1.0	0.562	65	1.0	0.0	0.882	65	1.0	0.0	0.882	45.9	78.3	3.8
695	695	R50Y_100_075d	1.0	0.0	0.875	1.0	0.562	60	1.0	0.0	0.882	59	1.0	0.0	0.882	45.9	78.3	3.8
696	696	R38Y_100_062d	1.0	0.0	0.875	1.0	0.562	53	1.0	0.0	0.882	52	1.0	0.0	0.882	45.9	78.3	3.8
697	697	R23Y_100_050d	1.0	0.0	0.875	1.0	0.562	49	1.0	0.0	0.882	48	1.0	0.0	0.882	45.9	78.3	3.8
698	698	R00Y_100_037d	1.0	0.0	0.625	1.0	0.5	390	1.0	0.0	0.633	389	1.0	0.0	0.633	46.0	75.7	14.4
699	699	R18Y_100_037d	1.0	0.0	0.875	1.0	0.562	390	1.0	0.0	0.882	389	1.0	0.0	0.882	45.9	78.3	3.8
700	700	B65R_100_037d	1.0	0.0	0.875	1.0	0.562	371	1.0	0.0	0.882	371	1.0	0.0	0.882	45.9	78.3	3.8
701	701	B50R_100_037d	1.0	0.0	0.875	1.0	0.562	349	1.0	0.0	0.882	348	1.0	0.0	0.882	45.9	78.3	3.8
702	702	R76Y_100_1000d	1.0	0.0	0.875	1.0	0.562	330	1.0	0.0	0.882	330	1.0	0.0	0.882	45.9	78.3	3.8
703	703	R73Y_100_087d	1.0	0.0	0.875	1.0	0.562	74	1.0	0.0	0.882	74	1.0	0.0	0.882	45.9	78.3	3.8
704	704	R68Y_100_075d	1.0	0.0	0.875	1.0	0.562	71	1.0	0.0	0.882	71	1.0	0.0	0.882	45.9	78.3	3.8
705	705	R61Y_100_062d	1.0	0.0	0.875	1.0	0.562	67	1.0	0.0	0.882	67	1.0	0.0	0.882	45.9	78.3	3.8
706	706	R50Y_100_050d	1.0	0.0	0.875	1.0	0.562	60	1.0	0.0	0.882	59	1.0	0.0	0.882	45.9	78.3	3.8
707	707	R31Y_100_037d	1.0	0.0	0.875	1.0	0.562	49	1.0	0.0	0.882	48	1.0	0.0	0.882	45.9	78.3	3.8
708	708	R00Y_100_025d	1.0	0.0	0.875	1.0	0.562	390	1.0	0.0	0.882	389	1.0	0.0	0.882	45.9	78.3	3.8
709	709	R00Y_100_025d	1.0	0.0	0.875	1.0	0.562	360	1.0	0.0	0.882	360	1.0	0.0	0.882	45.9	78.3	3.8
710	710	B50R_100_025d	1.0	0.0	0.875	1.0	0.562	330	1.0	0.0	0.882	330	1.0	0.0	0.882	45.9	78.3	3.8
711	711	R88Y_100_1000d	1.0	0.0	0.875	1.0	0.562	83	1.0	0.0	0.882	83	1.0	0.0	0.882	45.9	78.3	3.8
712	712	R86Y_100_087d	1.0	0.0	0.875	1.0	0.562	82	1.0	0.0	0.882	82	1.0	0.0	0.882	45.9	78.3	3.8
713	713	R85Y_100_075d	1.0	0.0	0.875	1.0	0.562	81	1.0	0.0	0.882	81	1.0	0.0	0.882	45.9	78.3	3.8
714	714	R84Y_100_062d	1.0	0.0	0.875	1.0	0.562	79	1.0	0.0	0.882	79	1.0	0.0	0.882	45.9	78.3	3.8
715	715	R76Y_100_050d	1.0	0.0	0.875	1.0	0.562	76	1.0	0.0	0.882	76	1.0	0.0	0.882	45.9	78.3	3.8
716	716	R68Y_100_037d	1.0	0.0	0.875	1.0	0.562	71	1.0	0.0	0.882	71	1.0	0.0	0.882	45.9	78.3	3.8
717	717	R50Y_100_025d	1.0	0.0	0.875	1.0	0.562	60	1.0	0.0	0.882	59	1.0	0.0	0.882	45.9		

n	HVC-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	95.6	0.0	360	1.0	95.6	0.0
730	G50B_100.012ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
731	G50B_100.025ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
732	G50B_100.037ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
733	G50B_100.050ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
734	G50B_100.062ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
735	G50B_100.075ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
736	G50B_100.087ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
737	G50B_100.100ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
738	ROY_100.012ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
739	ROY_100.025ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
740	ROY_100.037ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
741	ROY_100.050ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
742	ROY_100.062ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
743	ROY_100.075ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
744	ROY_100.087ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
745	ROY_100.100ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
746	ROY_100.012ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
747	ROY_100.025ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
748	ROY_100.037ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
749	ROY_100.050ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
750	ROY_100.062ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
751	ROY_100.075ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
752	ROY_100.087ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
753	ROY_100.100ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
754	ROY_100.012ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
755	ROY_100.025ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
756	ROY_100.037ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
757	ROY_100.050ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
758	ROY_100.062ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
759	ROY_100.075ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
760	ROY_100.087ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
761	ROY_100.100ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
762	ROY_100.012ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
763	ROY_100.025ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
764	ROY_100.037ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
765	ROY_100.050ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
766	ROY_100.062ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
767	ROY_100.075ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
768	ROY_100.087ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
769	ROY_100.100ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
770	ROY_100.012ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
771	ROY_100.025ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
772	ROY_100.037ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
773	ROY_100.050ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
774	ROY_100.062ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
775	ROY_100.075ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
776	ROY_100.087ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
777	ROY_100.100ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
778	ROY_100.012ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
779	ROY_100.025ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
780	ROY_100.037ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
781	ROY_100.050ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
782	ROY_100.062ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
783	ROY_100.075ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
784	ROY_100.087ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
785	ROY_100.100ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
786	ROY_100.012ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
787	ROY_100.025ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
788	ROY_100.037ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
789	ROY_100.050ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
790	ROY_100.062ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
791	ROY_100.075ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
792	ROY_100.087ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
793	ROY_100.100ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
794	ROY_100.012ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
795	ROY_100.025ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
796	ROY_100.037ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
797	ROY_100.050ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
798	ROY_100.062ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
799	ROY_100.075ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
800	ROY_100.087ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
801	ROY_100.100ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
802	ROY_100.012ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
803	ROY_100.025ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
804	ROY_100.037ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
805	ROY_100.050ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
806	ROY_100.062ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
807	ROY_100.075ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
808	ROY_100.087ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0
809	ROY_100.100ad	0.875	1.0	1.0	0.875	95.6	0.0	360	1.0	95.6	0.0



TUB material: code=rha4ta
ny0* (CMY0)

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *cmy0_{dd}**

TUB-test chart RE17; hue code: $H^*_d=B00R_d$
colors and differences, ΔE^*

n	HIC*Ftd	rgb_Ftd	icr_Ftd	hsa_Ftd	rgb*Ftd	LabCH*Ftd	cmym*Sep_Ftd	hsa_Mtd	rgb_Mtd	LabCH*Med	delta	
											Mean	Color difference of this name:
810	NW_1000ad	1.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0
811	B00R_100_012ad	0.875	0.875	1.0	0.875	86.8	3.6	-5.0	6.2	306.2	0.14	0.131
812	B00R_100_025ad	0.75	0.75	1.0	0.875	77.9	7.3	-10.1	12.5	306.2	0.14	0.131
813	B00R_100_037ad	0.625	0.625	1.0	0.875	69.0	11.0	-15.1	18.7	306.2	0.14	0.131
814	B00R_100_050ad	0.5	0.5	1.0	0.875	60.3	14.7	-20.2	25.0	306.2	0.14	0.131
815	B00R_100_062ad	0.375	0.375	1.0	0.875	51.5	18.4	-25.2	31.3	306.2	0.14	0.131
816	B00R_100_075ad	0.25	0.25	1.0	0.875	42.7	22.1	-30.3	37.5	306.2	0.14	0.131
817	B00R_100_087ad	0.125	0.125	1.0	0.875	33.9	25.8	-35.3	43.8	306.2	0.14	0.131
818	B00R_100_100ad	0.0	0.0	1.0	0.875	25.0	29.5	-40.4	50.0	306.2	0.14	0.131
819	B00R_100_012ad	1.0	1.0	0.875	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0
820	NW_097ad	0.875	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.0	0.0
821	B00R_087_012ad	0.75	0.75	0.875	0.875	77.9	3.6	-5.0	6.2	306.2	0.14	0.131
822	B00R_087_025ad	0.625	0.625	0.875	0.875	69.0	7.3	-10.1	12.5	306.2	0.14	0.131
823	B00R_087_037ad	0.5	0.5	0.875	0.875	60.2	11.0	-15.1	18.7	306.2	0.14	0.131
824	B00R_087_050ad	0.375	0.375	0.875	0.875	51.4	14.7	-20.2	25.0	306.2	0.14	0.131
825	B00R_087_062ad	0.25	0.25	0.875	0.875	42.6	18.4	-25.2	31.3	306.2	0.14	0.131
826	B00R_087_075ad	0.125	0.125	0.875	0.875	33.8	22.1	-30.3	37.5	306.2	0.14	0.131
827	B00R_087_087ad	0.0	0.0	0.875	0.875	25.0	25.8	-35.3	43.8	306.2	0.14	0.131
828	Y00G_100_012ad	1.0	1.0	0.875	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0
829	Y00G_100_025ad	0.875	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.0	0.0
830	NW_075ad	0.75	0.75	0.75	0.875	77.9	3.6	-5.0	6.2	306.2	0.14	0.131
831	B00R_075_012ad	0.625	0.625	0.75	0.875	69.0	7.3	-10.1	12.5	306.2	0.14	0.131
832	B00R_075_025ad	0.5	0.5	0.75	0.875	60.3	11.0	-15.1	18.7	306.2	0.14	0.131
833	B00R_075_037ad	0.375	0.375	0.75	0.875	51.5	14.7	-20.2	25.0	306.2	0.14	0.131
834	B00R_075_050ad	0.25	0.25	0.75	0.875	42.7	18.4	-25.2	31.3	306.2	0.14	0.131
835	B00R_075_062ad	0.125	0.125	0.75	0.875	33.9	22.1	-30.3	37.5	306.2	0.14	0.131
836	B00R_075_087ad	0.0	0.0	0.75	0.875	25.0	25.8	-35.3	43.8	306.2	0.14	0.131
837	Y00G_100_037ad	1.0	1.0	0.625	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0
838	Y00G_087_025ad	0.875	0.875	0.625	0.875	86.7	-3.8	35.8	36.0	96.1	0.0	0.0
839	Y00G_075_012ad	0.75	0.75	0.625	0.75	77.9	-1.2	11.9	12.0	96.1	0.0	0.0
840	NW_062ad	0.625	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.0	0.0
841	B00R_062_012ad	0.5	0.5	0.625	0.625	60.2	3.6	-5.0	6.2	306.2	0.14	0.131
842	B00R_062_025ad	0.375	0.375	0.625	0.625	51.2	7.3	-10.1	12.5	306.2	0.14	0.131
843	B00R_062_037ad	0.25	0.25	0.625	0.625	42.4	11.0	-15.1	18.7	306.2	0.14	0.131
844	B00R_062_050ad	0.125	0.125	0.625	0.625	33.6	14.7	-20.2	25.0	306.2	0.14	0.131
845	B00R_062_062ad	0.0	0.0	0.625	0.625	24.8	18.4	-25.2	31.3	306.2	0.14	0.131
846	Y00G_100_062ad	1.0	1.0	0.5	1.0	91.7	5.1	47.7	48.0	96.1	0.0	0.0
847	Y00G_087_037ad	0.875	0.875	0.5	0.875	83.7	-3.8	35.8	36.0	96.1	0.0	0.0
848	Y00G_075_025ad	0.75	0.75	0.5	0.875	75.8	-2.5	23.8	24.0	96.1	0.0	0.0
849	Y00G_062_012ad	0.625	0.625	0.5	0.625	67.9	-1.2	11.9	12.0	96.1	0.0	0.0
850	NW_050ad	0.5	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.0	0.0
851	B00R_050_012ad	0.375	0.375	0.5	0.375	51.1	3.6	-5.0	6.2	306.2	0.14	0.131
852	B00R_050_025ad	0.25	0.25	0.5	0.375	42.9	7.3	-10.1	12.5	306.2	0.14	0.131
853	B00R_050_037ad	0.125	0.125	0.5	0.375	33.5	11.0	-15.1	18.7	306.2	0.14	0.131
854	B00R_050_050ad	0.0	0.0	0.5	0.375	24.7	14.7	-20.2	25.0	306.2	0.14	0.131
855	Y00G_100_062ad	1.0	1.0	0.375	1.0	90.7	-6.3	59.6	60.0	96.1	0.0	0.0
856	Y00G_087_050ad	0.875	0.875	0.375	0.875	82.8	-5.1	47.7	48.0	96.1	0.0	0.0
857	Y00G_075_037ad	0.75	0.75	0.375	0.75	74.8	-3.8	35.8	36.0	96.1	0.0	0.0
858	Y00G_062_025ad	0.625	0.625	0.375	0.625	66.9	-2.5	23.8	24.0	96.1	0.0	0.0
859	Y00G_050_012ad	0.5	0.5	0.375	0.5	59.0	-1.2	11.9	12.0	96.1	0.0	0.0
860	NW_037ad	0.375	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.0	0.0
861	B00R_037_012ad	0.25	0.25	0.375	0.375	42.3	3.6	-5.0	6.2	306.2	0.14	0.131
862	B00R_037_025ad	0.125	0.125	0.375	0.375	33.4	7.3	-10.1	12.5	306.2	0.14	0.131
863	B00R_037_037ad	0.0	0.0	0.375	0.375	24.6	11.0	-15.1	18.7	306.2	0.14	0.131
864	Y00G_100_075ad	1.0	1.0	0.25	1.0	89.7	-7.6	71.6	72.0	96.1	0.0	0.0
865	Y00G_087_062ad	0.875	0.875	0.25	0.875	81.8	-6.3	59.6	60.0	96.1	0.0	0.0
866	Y00G_075_050ad	0.75	0.75	0.25	0.75	73.9	-5.1	47.7	48.0	96.1	0.0	0.0
867	Y00G_062_037ad	0.625	0.625	0.25	0.625	65.9	-3.8	35.8	36.0	96.1	0.0	0.0
868	Y00G_050_025ad	0.5	0.5	0.25	0.5	58.0	-2.5	23.8	24.0	96.1	0.0	0.0
869	Y00G_037_012ad	0.375	0.375	0.25	0.375	50.1	-1.2	11.9	12.0	96.1	0.0	0.0
870	NW_025ad	0.25	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.0	0.0
871	B00R_025_012ad	0.125	0.125	0.25	0.125	33.3	3.6	-5.0	6.2	306.2	0.14	0.131
872	B00R_025_025ad	0.0	0.0	0.25	0.25	24.5	7.3	-10.1	12.5	306.2	0.14	0.131
873	Y00G_100_075ad	1.0	1.0	0.125	1.0	88.8	-8.9	83.5	84.0	96.1	0.0	0.0
874	Y00G_087_075ad	0.875	0.875	0.125	0.875	80.8	-7.6	71.6	72.0	96.1	0.0	0.0
875	Y00G_075_062ad	0.75	0.75	0.125	0.75	72.9	-6.3	59.6	60.0	96.1	0.0	0.0
876	Y00G_062_050ad	0.625	0.625	0.125	0.625	64.0	-5.1	47.7	48.0	96.1	0.0	0.0
877	Y00G_050_037ad	0.5	0.5	0.125	0.5	57.0	-3.8	35.8	36.0	96.1	0.0	0.0
878	Y00G_037_025ad	0.375	0.375	0.125	0.375	49.1	-2.5	23.8	24.0	96.1	0.0	0.0
879	NW_025_012ad	0.125	0.125	0.125	0.125	43.2	-1.2	11.9	12.0	96.1	0.0	0.0
880	NW_012ad	0.125	0.125	0.125	0.125	33.4	0.0	0.0	0.0	0.0	0.0	0.0
881	B00R_012_012ad	0.0	0.0	0.125	0.125	24.4	3.6	-5.0	6.2	306.2	0.14	0.131
882	Y00G_100_087ad	1.0	1.0	0.0	1.0	87.8	-10.2	95.4	96.0	96.1	0.0	0.0
883	Y00G_087_087ad	0.875	0.875	0.0	0.875	79.8	-8.9	83.5	84.0	96.1	0.0	0.0
884	Y00G_075_075ad	0.75	0.75	0.0	0.75	71.9	-7.6	71.6	72.0	96.1	0.0	0.0
885	Y00G_062_062ad	0.625	0.625	0.0	0.625	62.5	-6.3	59.6	60.0	96.1	0.0	0.0
886	Y00G_050_050ad	0.5	0.5	0.0	0.5	56.1	-5.1	47.7	48.0	96.1	0.0	0.0
887	Y00G_037_037ad	0.375	0.375	0.0	0.375	48.1	-3.8	35.8	36.0	96.1	0.0	0.0
888	Y00G_025_025ad	0.25	0.25	0.0	0.25	40.2	-2.5	23.8	24.0	96.1	0.0	0.0
889	NW_000ad	0.0	0.0	0.0	0.0	32.3	-1.2	11.9	12.0	96.1	0.0	0.0
890	NW_000ad	0.0	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0

<http://130.149.60.45/~farbmatrik/RE17/RE17L0FA.TXT> /.PS; 3D-linearization
F: 3D-linearization RE17/RE17L0FA.DAT in file (F), page 31/33

TUB-test chart RE17; hue code: H*_d=B00Rd
colors and differences, ΔE^*

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

n	HVC-Fid	rgb-Fid	lcr-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	B50R_100.012ad	1.0	0.875	1.0	0.875	1.0	0.0	0.0	0.0
893	B50R_100.025ad	1.0	0.75	1.0	0.75	1.0	0.0	0.0	0.0
894	B50R_100.037ad	1.0	0.625	1.0	0.625	1.0	0.0	0.0	0.0
895	B50R_100.050ad	1.0	0.5	1.0	0.5	1.0	0.0	0.0	0.0
896	B50R_100.062ad	1.0	0.375	1.0	0.375	1.0	0.0	0.0	0.0
897	B50R_100.075ad	1.0	0.25	1.0	0.25	1.0	0.0	0.0	0.0
898	B50R_100.087ad	1.0	0.125	1.0	0.125	1.0	0.0	0.0	0.0
899	B50R_100.100ad	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0
900	GOB_100.012ad	0.875	1.0	0.875	1.0	0.875	0.0	0.0	0.0
901	NW_087ad	0.875	0.875	0.875	0.875	0.875	0.0	0.0	0.0
902	B50R_087.012ad	0.875	0.75	0.875	0.75	0.875	0.0	0.0	0.0
903	B50R_087.025ad	0.875	0.625	0.875	0.625	0.875	0.0	0.0	0.0
904	B50R_087.037ad	0.875	0.5	0.875	0.5	0.875	0.0	0.0	0.0
905	B50R_087.050ad	0.875	0.375	0.875	0.375	0.875	0.0	0.0	0.0
906	B50R_087.062ad	0.875	0.25	0.875	0.25	0.875	0.0	0.0	0.0
907	B50R_087.075ad	0.875	0.125	0.875	0.125	0.875	0.0	0.0	0.0
908	B50R_087.100ad	0.875	0.0	0.875	0.0	0.875	0.0	0.0	0.0
909	GOB_100.025ad	0.75	1.0	0.75	1.0	0.75	0.0	0.0	0.0
910	GOB_100.037ad	0.75	0.875	0.75	0.875	0.75	0.0	0.0	0.0
911	NW_075ad	0.75	0.75	0.75	0.75	0.75	0.0	0.0	0.0
912	B50R_075.012ad	0.75	0.625	0.75	0.625	0.75	0.0	0.0	0.0
913	B50R_075.025ad	0.75	0.5	0.75	0.5	0.75	0.0	0.0	0.0
914	B50R_075.037ad	0.75	0.375	0.75	0.375	0.75	0.0	0.0	0.0
915	B50R_075.050ad	0.75	0.25	0.75	0.25	0.75	0.0	0.0	0.0
916	B50R_075.062ad	0.75	0.125	0.75	0.125	0.75	0.0	0.0	0.0
917	B50R_075.100ad	0.75	0.0	0.75	0.0	0.75	0.0	0.0	0.0
918	GOB_100.037ad	0.625	1.0	0.625	1.0	0.625	0.0	0.0	0.0
919	GOB_100.050ad	0.625	0.875	0.625	0.875	0.625	0.0	0.0	0.0
920	GOB_100.062ad	0.625	0.75	0.625	0.75	0.625	0.0	0.0	0.0
921	GOB_100.075ad	0.625	0.625	0.625	0.625	0.625	0.0	0.0	0.0
922	B50R_062.012ad	0.625	0.5	0.625	0.5	0.625	0.0	0.0	0.0
923	B50R_062.025ad	0.625	0.375	0.625	0.375	0.625	0.0	0.0	0.0
924	B50R_062.037ad	0.625	0.25	0.625	0.25	0.625	0.0	0.0	0.0
925	B50R_062.050ad	0.625	0.125	0.625	0.125	0.625	0.0	0.0	0.0
926	B50R_062.100ad	0.625	0.0	0.625	0.0	0.625	0.0	0.0	0.0
927	GOB_100.050ad	0.5	1.0	0.5	1.0	0.5	0.0	0.0	0.0
928	GOB_087.037ad	0.5	0.875	0.5	0.875	0.5	0.0	0.0	0.0
929	GOB_087.050ad	0.5	0.75	0.5	0.75	0.5	0.0	0.0	0.0
930	GOB_087.062ad	0.5	0.625	0.5	0.625	0.5	0.0	0.0	0.0
931	NW_050ad	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
932	B50R_050.012ad	0.5	0.375	0.5	0.375	0.5	0.0	0.0	0.0
933	B50R_050.025ad	0.5	0.25	0.5	0.25	0.5	0.0	0.0	0.0
934	B50R_050.037ad	0.5	0.125	0.5	0.125	0.5	0.0	0.0	0.0
935	B50R_050.100ad	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0
936	GOB_100.062ad	0.375	1.0	0.375	1.0	0.375	0.0	0.0	0.0
937	GOB_087.050ad	0.375	0.875	0.375	0.875	0.375	0.0	0.0	0.0
938	GOB_087.062ad	0.375	0.75	0.375	0.75	0.375	0.0	0.0	0.0
939	GOB_087.075ad	0.375	0.625	0.375	0.625	0.375	0.0	0.0	0.0
940	GOB_087.100ad	0.375	0.5	0.375	0.5	0.375	0.0	0.0	0.0
941	NW_037ad	0.375	0.375	0.375	0.375	0.375	0.0	0.0	0.0
942	B50R_037.012ad	0.375	0.25	0.375	0.25	0.375	0.0	0.0	0.0
943	B50R_037.025ad	0.375	0.125	0.375	0.125	0.375	0.0	0.0	0.0
944	B50R_037.037ad	0.375	0.0	0.375	0.0	0.375	0.0	0.0	0.0
945	GOB_100.075ad	0.25	1.0	0.25	1.0	0.25	0.0	0.0	0.0
946	GOB_087.062ad	0.25	0.875	0.25	0.875	0.25	0.0	0.0	0.0
947	GOB_087.075ad	0.25	0.75	0.25	0.75	0.25	0.0	0.0	0.0
948	GOB_087.100ad	0.25	0.625	0.25	0.625	0.25	0.0	0.0	0.0
949	GOB_050.025ad	0.25	0.5	0.25	0.5	0.25	0.0	0.0	0.0
950	GOB_050.037ad	0.25	0.375	0.25	0.375	0.25	0.0	0.0	0.0
951	NW_025ad	0.25	0.25	0.25	0.25	0.25	0.0	0.0	0.0
952	B50R_025.012ad	0.25	0.125	0.25	0.125	0.25	0.0	0.0	0.0
953	B50R_025.025ad	0.25	0.0	0.25	0.0	0.25	0.0	0.0	0.0
954	GOB_100.087ad	0.125	1.0	0.125	1.0	0.125	0.0	0.0	0.0
955	GOB_087.075ad	0.125	0.875	0.125	0.875	0.125	0.0	0.0	0.0
956	GOB_087.062ad	0.125	0.75	0.125	0.75	0.125	0.0	0.0	0.0
957	GOB_087.050ad	0.125	0.625	0.125	0.625	0.125	0.0	0.0	0.0
958	GOB_087.037ad	0.125	0.5	0.125	0.5	0.125	0.0	0.0	0.0
959	GOB_087.025ad	0.125	0.375	0.125	0.375	0.125	0.0	0.0	0.0
960	GOB_087.012ad	0.125	0.25	0.125	0.25	0.125	0.0	0.0	0.0
961	NW_012ad	0.125	0.125	0.125	0.125	0.125	0.0	0.0	0.0
962	B50R_012.012ad	0.125	0.0	0.125	0.0	0.125	0.0	0.0	0.0
963	GOB_100.100ad	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
964	GOB_087.087ad	0.0	0.875	0.0	0.875	0.0	0.0	0.0	0.0
965	GOB_075.075ad	0.0	0.75	0.0	0.75	0.0	0.0	0.0	0.0
966	GOB_062.062ad	0.0	0.625	0.0	0.625	0.0	0.0	0.0	0.0
967	GOB_050.050ad	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0
968	GOB_037.037ad	0.0	0.375	0.0	0.375	0.0	0.0	0.0	0.0
969	GOB_025.025ad	0.0	0.25	0.0	0.25	0.0	0.0	0.0	0.0
970	GOB_012.012ad	0.0	0.125	0.0	0.125	0.0	0.0	0.0	0.0
971	NW_000ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Mean color difference of this page:

RE170-7N, Page 31/33-F

TUB registration: 20150701-RE17/RE17L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

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

TUB-test chart RE17; hue code: H*_d=B00Rd
colors and differences, ΔE^*

n	HVC*_Fid	rgb*_Fid	lct*_Fid	hsa*_Fid	rgb*_Fid	LabCH*_Fid	hsa*_Fid	rgb*_Fid	hsa*_Fid	cmyn*_sep_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	86.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.173 0.108 0.099	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	90.8 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.09 0.054 0.05	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	95.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1056	NW_006dd	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	29.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.935 0.825 0.0	0.0
1057	NW_003dd	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	33.8 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.879 0.763 0.725	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	38.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.799 0.661 0.614	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	43.3 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.731 0.571 0.537	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	48.1 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.682 0.507 0.485	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	52.8 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.636 0.454 0.433	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	57.5 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.574 0.404 0.381	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	62.3 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.509 0.354 0.33	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	67.1 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.442 0.285 0.278	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	71.8 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.377 0.228 0.228	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	76.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.314 0.191 0.186	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	81.3 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.252 0.153 0.146	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	86.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.173 0.108 0.099	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	90.8 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.09 0.054 0.05	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	95.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1072	NW_000dd	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 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	24.3 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1074	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	24.3 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 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	45.4 70.9 44.8	83.9 32.3	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1076	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	45.4 70.9 44.8	83.9 32.3	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1077	Y06C_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	56.8 -25.5 -41.5	96.0 96.1	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1078	B00R_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	25.0 29.5 40.4	50.0 50.0	0.0 0.0 0.0	0.0 0.0 0.0	0.999 0.0 0.0	0.0
1079	B50R_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	25.0 29.5 40.4	50.0 50.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1079	B50R_100_100dd	1.0 0.0 1.0	1.0 0.0 1.0	1.0 0.0 1.0	1.0 0.0 1.0	46.1 79.3 -0.2	79.3 71.4 359.8	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0