

http://130.149.60.45/~farbmatrik/PE95/PE95L0FP.PDF /.PS; start output
F: 3D-linearization PE95/PE95LE30FP.DAT in file (F), page 1/33

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 31/360 = 0.08$

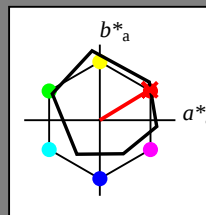
Data for any device (d) or elementary (e) colour:

HIC^*_-

hue text for the colours of this page:

$H^*_- = R00Y_-$

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 66 40 77 31

$HIC^*_{-,Ma}$: R00Y_100_100_

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

1.0 0.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

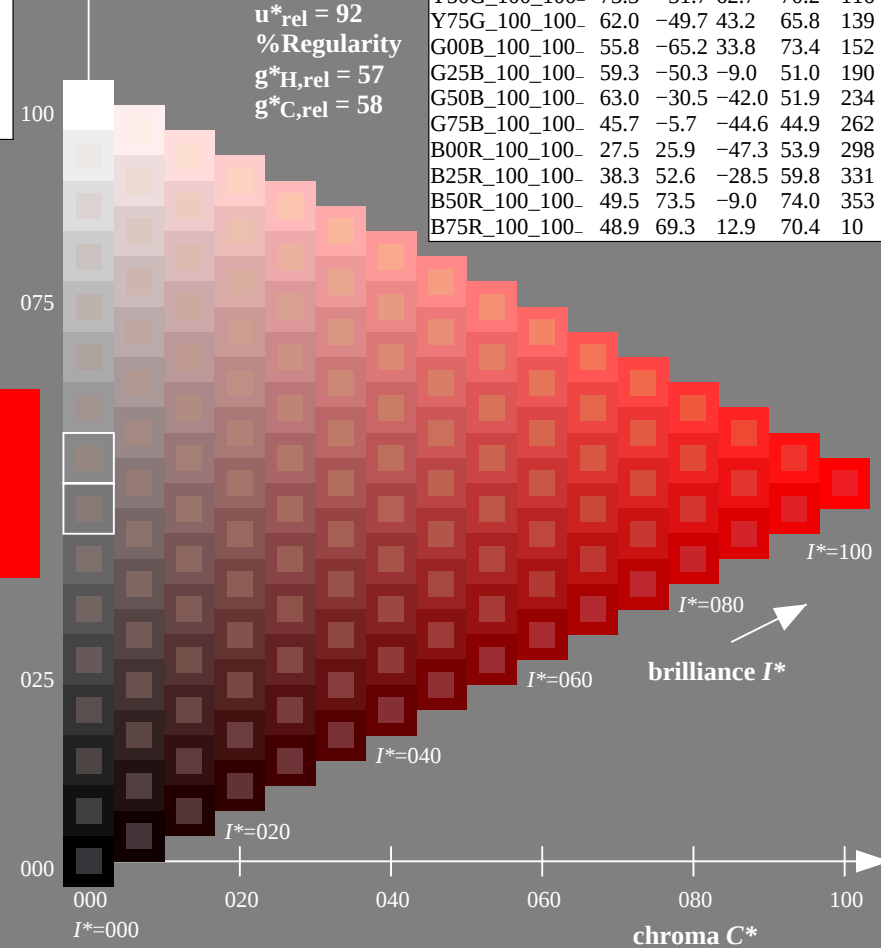
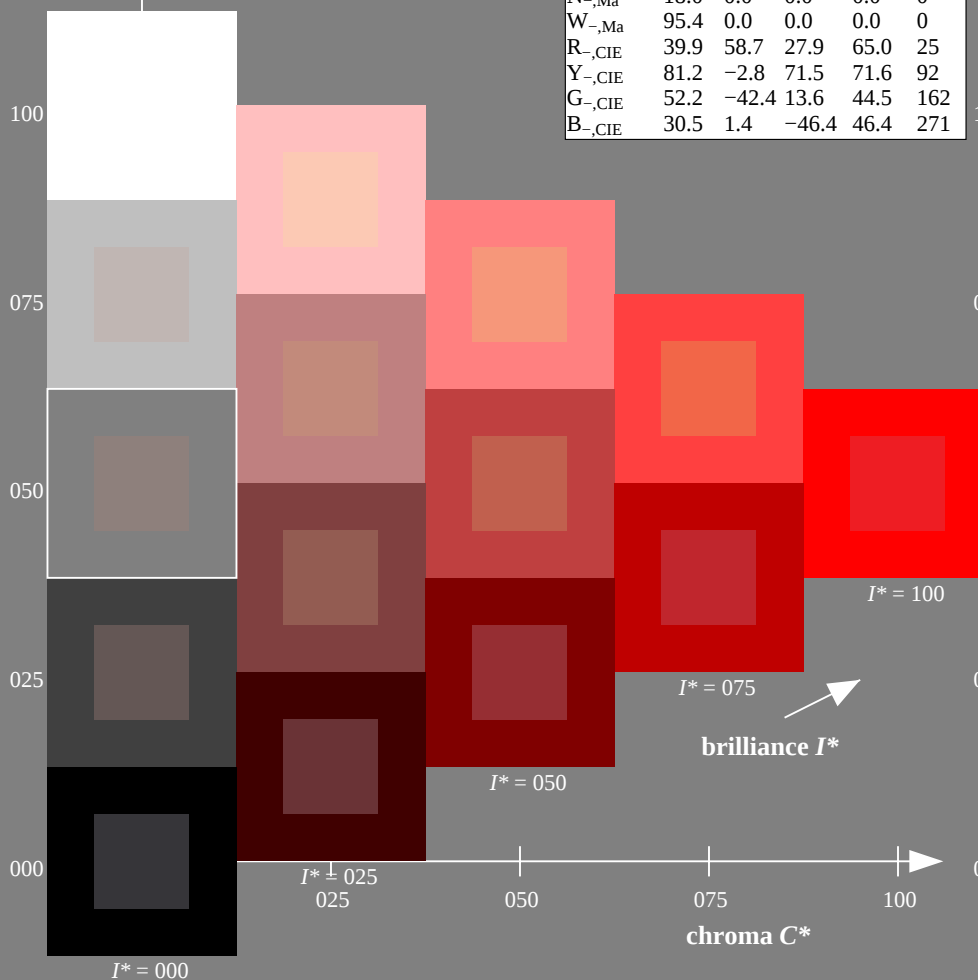
% Regularity

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

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

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 PE95; hue code: $H^*_- = R00Y_-$
Test chart according to DIN 33872, 3D=1, de=1, cm^*_{yk}

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

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 25/360 = 0.07$

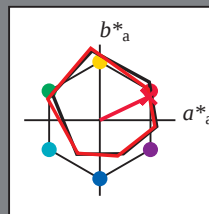
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours
of this page:

$H^*_e = R00Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	47.6	64.9	30.9	71.9	25
$Y_{e,Ma}$	82.9	-3.5	87.8	87.9	92
$G_{e,Ma}$	52.4	-67.1	21.5	70.5	162
$C_{e,Ma}$	56.6	-39.7	-29.9	49.8	216
$B_{e,Ma}$	37.9	1.3	-45.4	45.4	271
$M_{e,Ma}$	34.8	49.2	-30.0	57.7	328
$N_{e,Ma}$	17.7	0.0	0.0	0.0	0
$W_{e,Ma}$	95.4	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{e,CIE}$	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{e,Ma}$: 47 64 30 71 25

$HIC^*_{e,Ma}$: R00Y_100_100_e

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

1.0 0.0 0.2 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

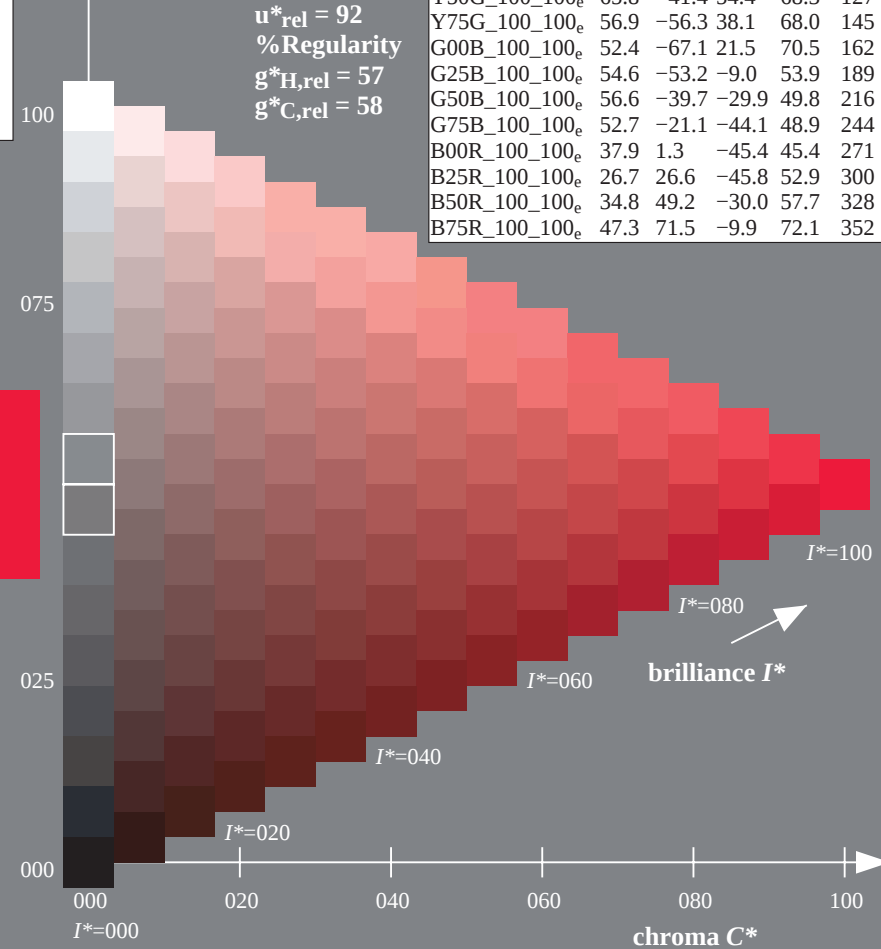
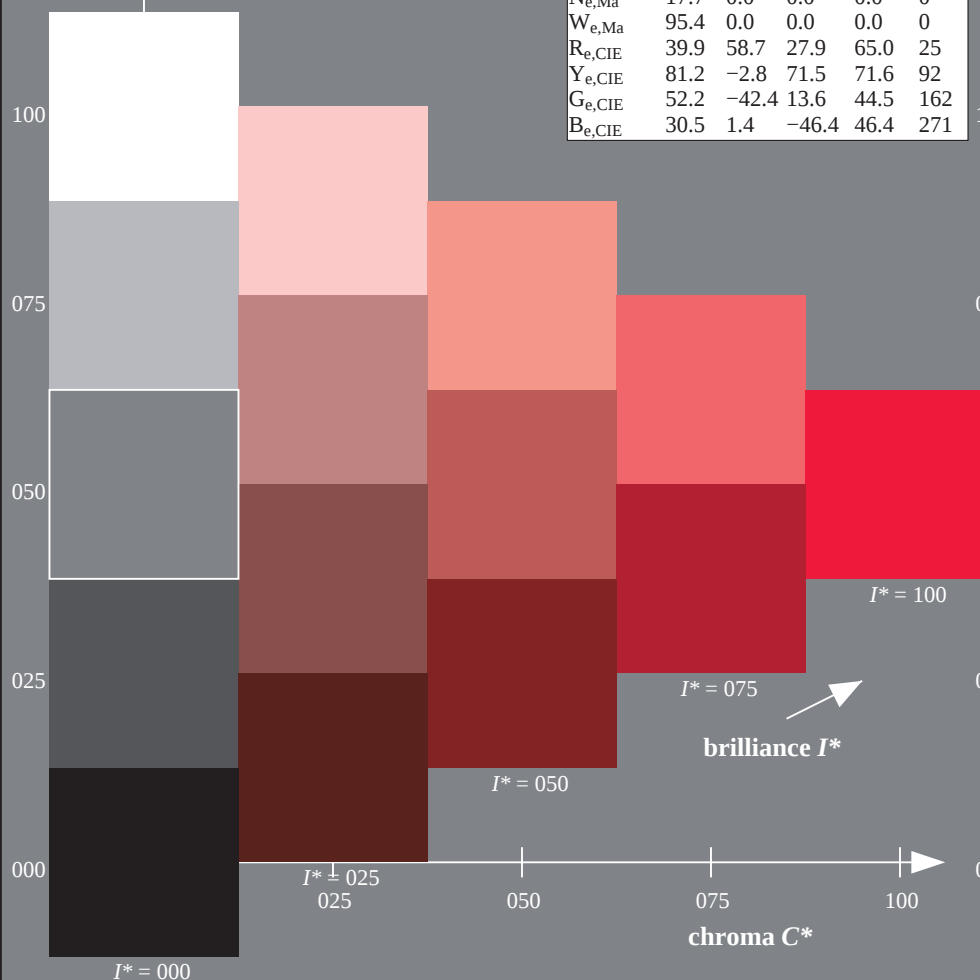
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	47.6	64.9	30.9	71.9	25
R25Y_100_100_e	51.5	54.2	47.2	71.9	41
R50Y_100_100_e	60.3	35.6	59.0	68.9	58
R75Y_100_100_e	70.4	17.0	72.2	74.1	76
Y00G_100_100_e	82.9	-3.5	87.8	87.9	92
Y25G_100_100_e	76.9	-25.5	75.9	80.1	108
Y50G_100_100_e	65.8	-41.4	54.4	68.3	127
Y75G_100_100_e	56.9	-56.3	38.1	68.0	145
G00B_100_100_e	52.4	-67.1	21.5	70.5	162
G25B_100_100_e	54.6	-53.2	-9.0	53.9	189
G50B_100_100_e	56.6	-39.7	-29.9	49.8	216
G75B_100_100_e	52.7	-21.1	-44.1	48.9	244
B00R_100_100_e	37.9	1.3	-45.4	45.4	271
B25R_100_100_e	26.7	26.6	-45.8	52.9	300
B50R_100_100_e	34.8	49.2	-30.0	57.7	328
B75R_100_100_e	47.3	71.5	-9.9	72.1	352



TUB-test chart PE95; hue code: $H^*_e = R00Y_e$
Test chart according to DIN 33872, 3D=1, de=1, $cm\dot{y}k^*$

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

Input and Output: Offset Reflective System ORS18a for relative CIE LAB hue $h_{ab,rel} = h_{ab}/360 = 25/360 = 0.07$

$H^*_e = R00Y_e$

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

HIC^*_e

hue text for the colours of this page:

$H^*_e = R00Y_e$

triangle lightness T^*

Data for maximum colour (Ma):

$LabCh^*_{e, Ma}$: 47 64 30 71 25

$HIC^*_{e, Ma}$: R00Y_100_100_e

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

1.0 0.0 0.2 1.0 1.0

triangle lightness T^*

%Gamut

$u^*_{rel} = 92$

%Regularity

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

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



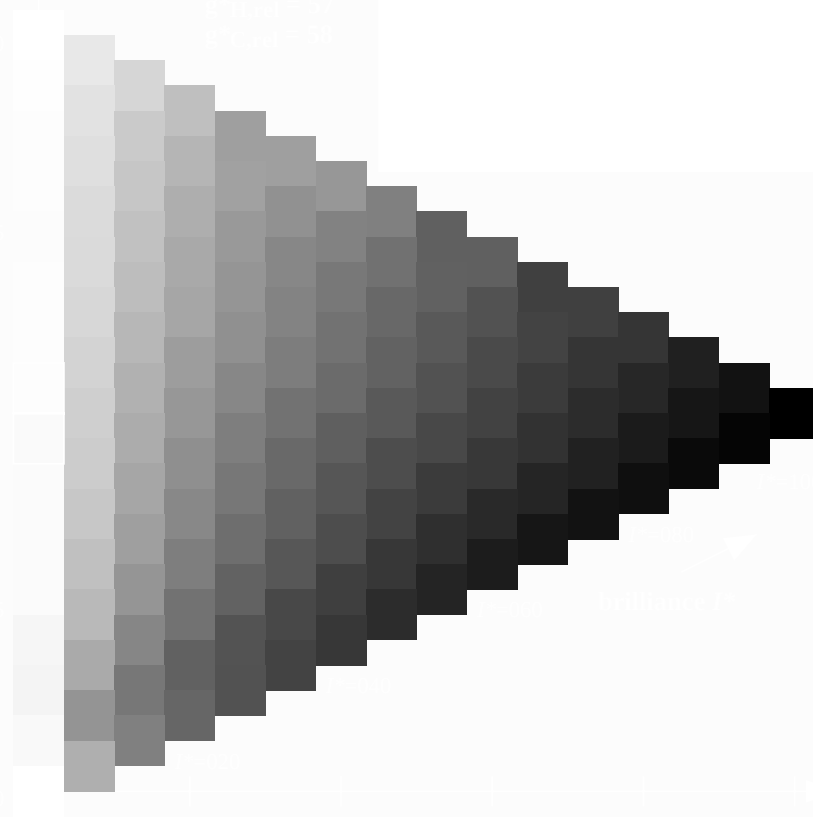
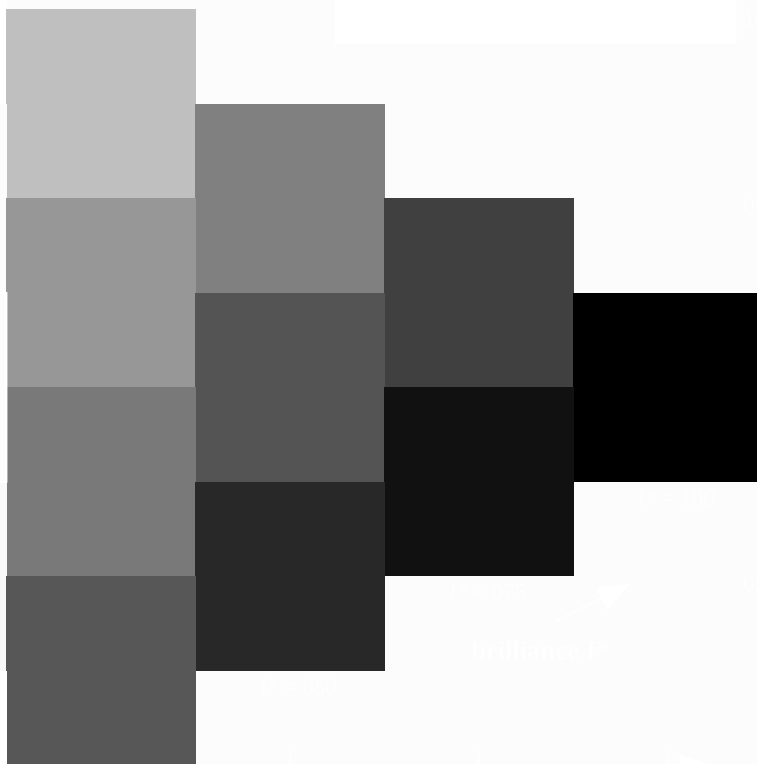
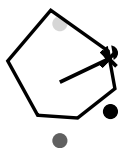
1-113230-L0 PE950-73

TUB-test chart PE95; hue code: $H^*_e=R00Y_e$
Test chart according to DIN 33872, 3D=1, de=1, $cmYk^*$

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

TUB registration: 20150701-PE95/PE95L0FP.PDF /.PS
application for measurement of offset print output, separation $cmYn6^*$ (CMYK)

TUB material: code=rha4ta

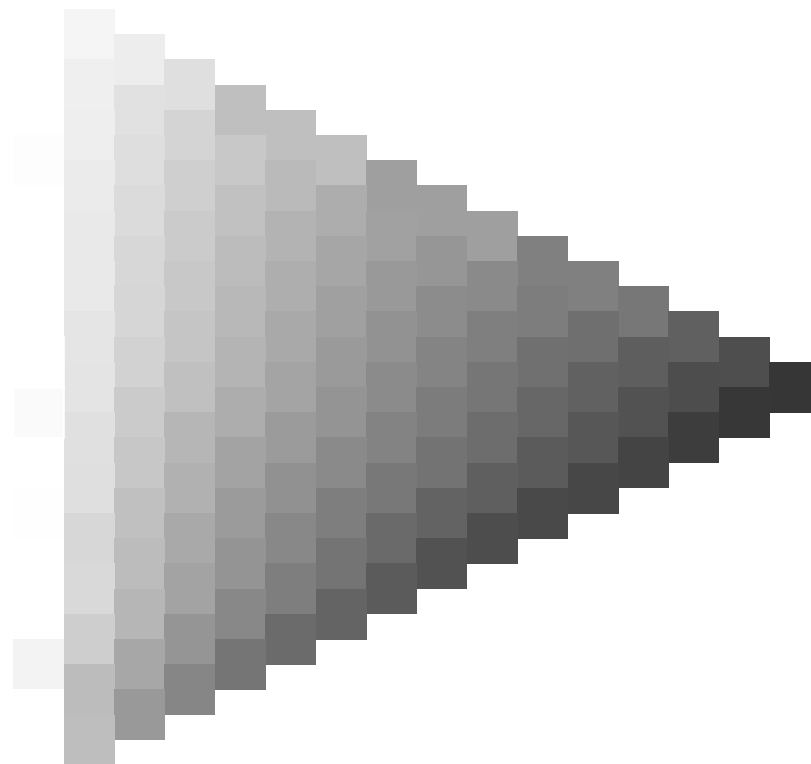
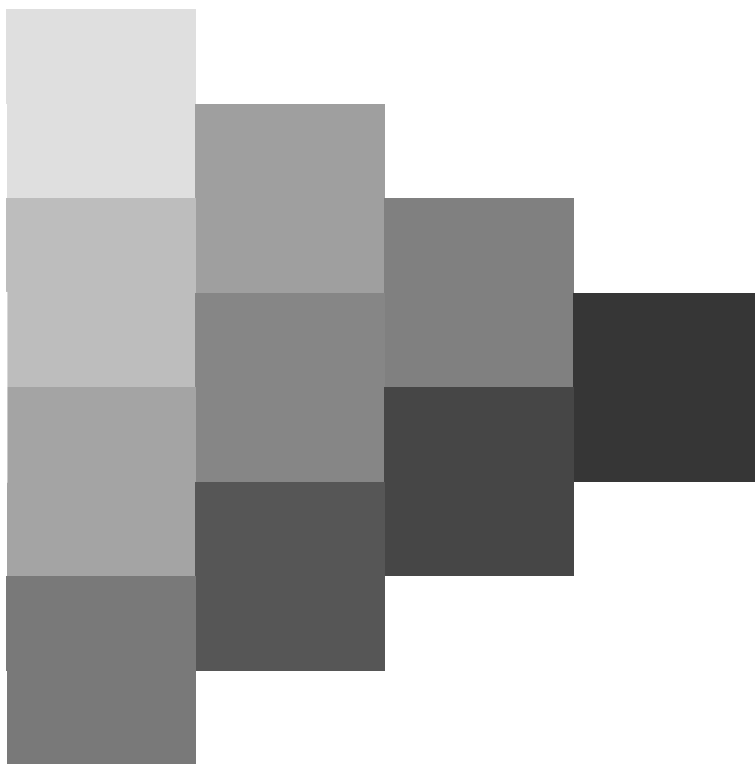
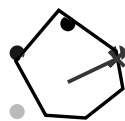


1-113330-L0 PE950-73

TUB-test chart PE95; hue code: $H^*_e=R00Y_e$
Test chart according to DIN 33872, 3D=1, $de=1$, cmyk*

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

1-113330-E0



1-113430-L0 PE950-73

TUB-test chart PE95; hue code: $H^*_e=R00Y_e$
Test chart according to DIN 33872, 3D=1, $de=1$, cmyk*

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

1-113430-F0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 25/360 = 0.07$

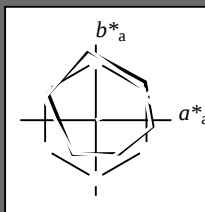
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = R00Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	47.6	64.9	30.9	71.9	25
$Y_{e,Ma}$	82.9	-3.5	87.8	87.9	92
$G_{e,Ma}$	52.4	-67.1	21.5	70.5	162
$C_{e,Ma}$	56.6	-39.7	-29.9	49.8	216
$B_{e,Ma}$	37.9	1.3	-45.4	45.4	271
$M_{e,Ma}$	34.8	49.2	-30.0	57.7	328
$N_{e,Ma}$	17.7	0.0	0.0	0.0	0
$W_{e,Ma}$	95.4	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{e,CIE}$	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{e,Ma}$: 47 64 30 71 25

$HIC^*_{e,Ma}$: R00Y_100_100_e

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

1.0 0.0 0.2 1.0 1.0

triangle lightness T^*

% Gamut

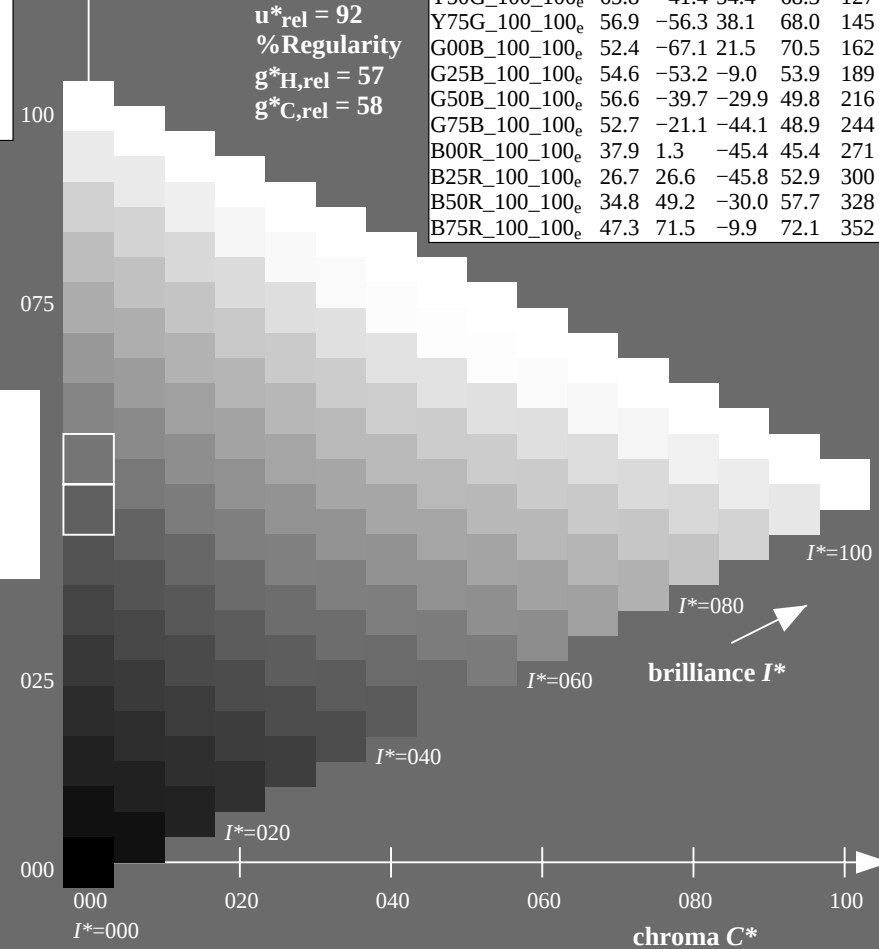
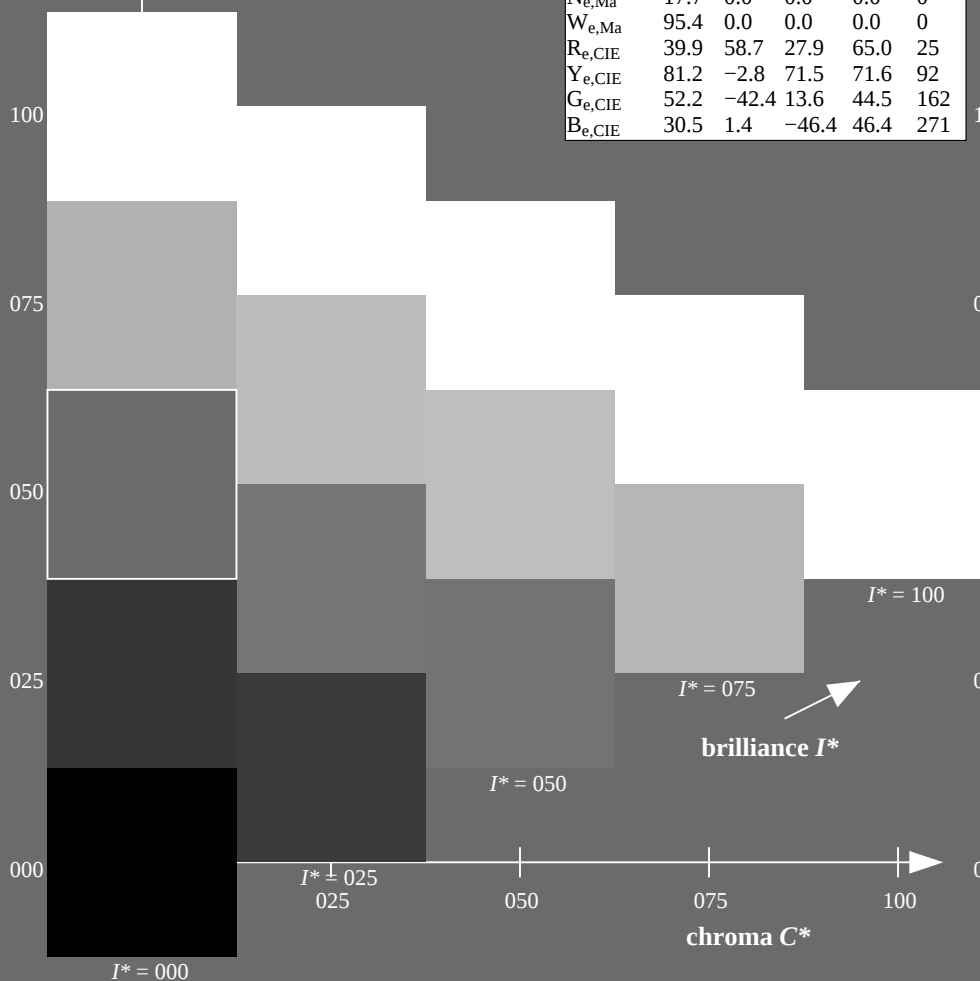
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	47.6	64.9	30.9	71.9	25
R25Y_100_100_e	51.5	54.2	47.2	71.9	41
R50Y_100_100_e	60.3	35.6	59.0	68.9	58
R75Y_100_100_e	70.4	17.0	72.2	74.1	76
Y00G_100_100_e	82.9	-3.5	87.8	87.9	92
Y25G_100_100_e	76.9	-25.5	75.9	80.1	108
Y50G_100_100_e	65.8	-41.4	54.4	68.3	127
Y75G_100_100_e	56.9	-56.3	38.1	68.0	145
G00B_100_100_e	52.4	-67.1	21.5	70.5	162
G25B_100_100_e	54.6	-53.2	-9.0	53.9	189
G50B_100_100_e	56.6	-39.7	-29.9	49.8	216
G75B_100_100_e	52.7	-21.1	-44.1	48.9	244
B00R_100_100_e	37.9	1.3	-45.4	45.4	271
B25R_100_100_e	26.7	26.6	-45.8	52.9	300
B50R_100_100_e	34.8	49.2	-30.0	57.7	328
B75R_100_100_e	47.3	71.5	-9.9	72.1	352



TUB-test chart PE95; hue code: $H^*_e=R00Y_e$
Test chart according to DIN 33872, 3D=1, de=1, cmyk*

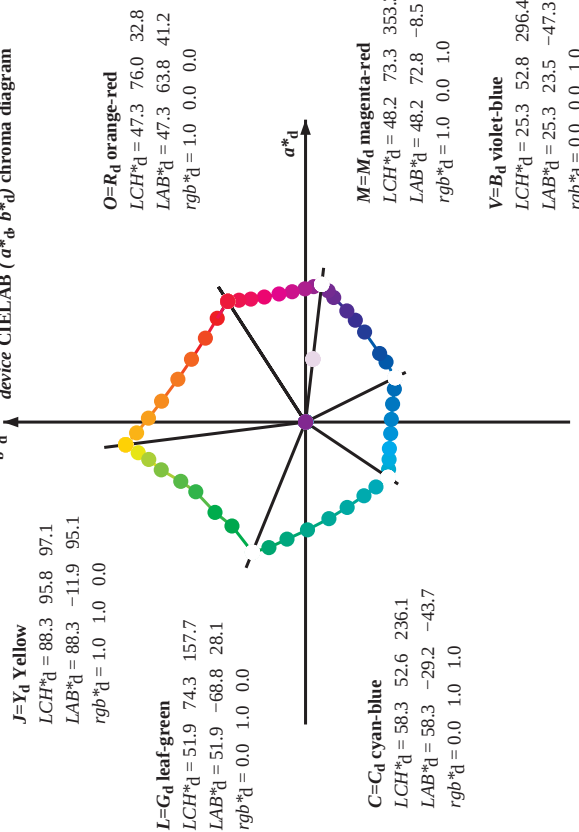
input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to $cmyk^*_{de}$

TUB registration: 20150701-PE95/PE95L0FP.PDF /.PS
application for measurement of offset print output, separation cmyk6* (CMYK)

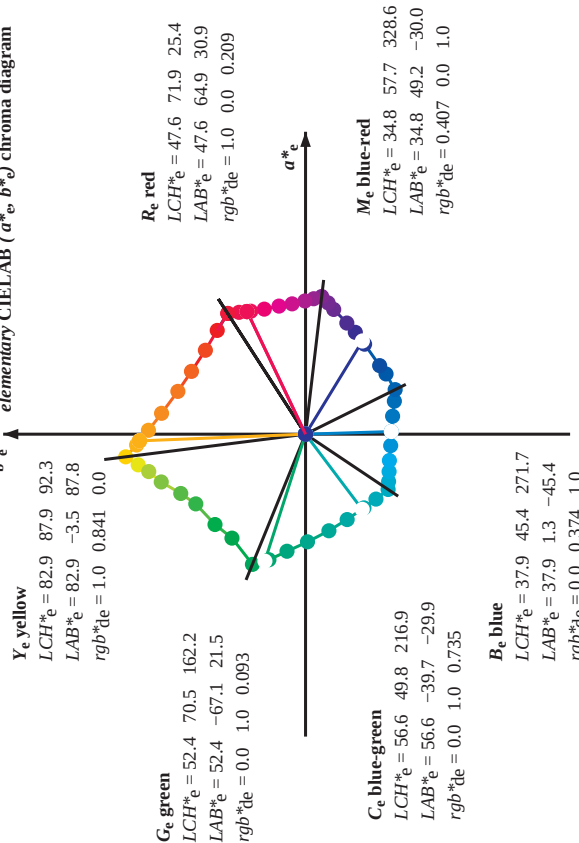
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyk*, 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; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

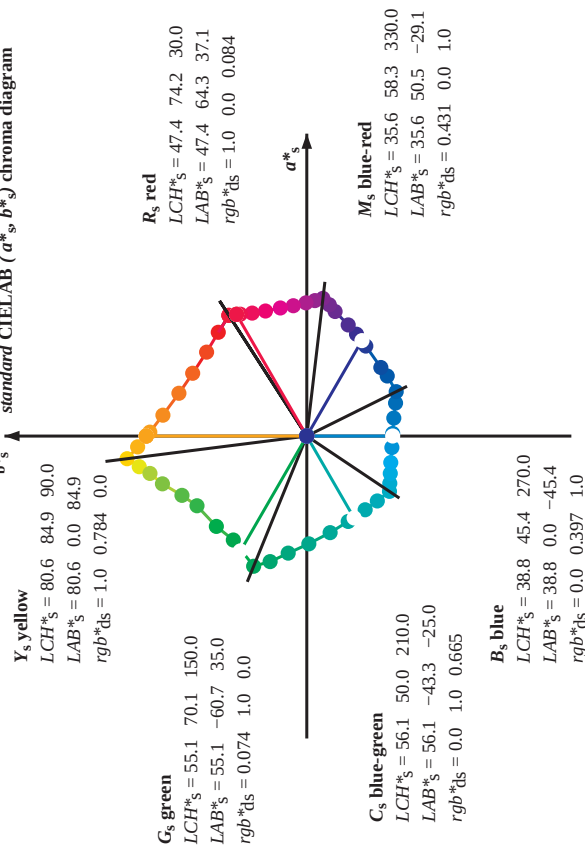
device CIELAB (a^*_d, b^*_d) chroma diagram



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



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



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

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:

$$h_{ab,s} = \arctan \left[\frac{r^*_d \cos(30) + g^*_d \cos(150)}{1 + \frac{r^*_d \sin(30) + g^*_d \sin(150)}{b^*_d}} \right] \sin(270) \quad (1)$$
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: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:

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

$$h_{360ab,s,j} = h_{ab,s,i} + j \left[\frac{h_{ab,s,i+1} - h_{ab,s,i}}{1/60} \right] \quad (i=0,1,...,5; j=0,1,...,59) \quad (3)$$
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: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:

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

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

LAB*_{ab}, YN=0%, XY Znw=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

TUB-test chart PE95; hue code: H*_e=R00Y_e
48 step hue circles; $rgb-LabCh$ -tables

input: $rgb/cmyk \rightarrow rgbde$
output: 3D-linearization to $cmyk^*de$

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

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; $h_{ab,de} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;										Six hue angles of the device colours RYGBCM; $h_{ab,de} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$												
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{ds361MI}$	$LAB^*_{ds361MI}$	$LAB^*_{ds361MI}(x=LabCh)$	$rgb^*_{ds361MI}$	$LAB^*_{ds361MI}$	$LAB^*_{ds361MI}(x=LabCh)$	$rgb^*_{ds361MI}$	$LAB^*_{ds361MI}$	$LAB^*_{ds361MI}(x=LabCh)$	$rgb^*_{ds361MI}$	$LAB^*_{ds361MI}$	$LAB^*_{ds361MI}(x=LabCh)$	$rgb^*_{ds361MI}$	$LAB^*_{ds361MI}$	$LAB^*_{ds361MI}(x=LabCh)$	$rgb^*_{ds361MI}$	$LAB^*_{ds361MI}$	$LAB^*_{ds361MI}(x=LabCh)$		
88	75	75	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88	1.0	0.543	0.0	69.4	19.0	70.7	73.2	75	1.0	0.75	0.0	
89	76	76	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89	1.0	0.555	0.0	70.0	17.9	71.6	73.8	76	1.0	0.767	0.0	
89	77	77	1.0	0.783	0.0	80.6	0.0	84.8	84.8	89	1.0	0.567	0.0	70.7	16.7	72.4	74.3	77	1.0	0.783	0.0	
90	78	78	1.0	0.8	0.0	81.2	-0.9	85.7	85.7	90	1.0	0.579	0.0	71.3	15.6	73.3	74.9	78	1.0	0.8	0.0	
91	79	80	1.0	0.816	0.0	81.9	-1.9	86.5	86.5	91	1.0	0.591	0.0	71.9	14.4	74.1	75.5	79	1.0	0.817	0.0	
91	80	81	1.0	0.833	0.0	82.6	-3.0	87.4	87.4	91	1.0	0.604	0.0	72.5	13.2	74.9	76.0	80	1.0	0.833	0.0	
92	81	82	1.0	0.85	0.0	83.2	-4.0	88.2	88.3	92	1.0	0.616	0.0	73.2	12.0	75.6	76.6	81	1.0	0.85	0.0	
93	82	83	1.0	0.866	0.0	83.9	-5.1	89.0	89.2	93	1.0	0.629	0.0	73.8	10.7	76.5	77.2	82	1.0	0.867	0.0	
93	83	84	1.0	0.883	0.0	84.5	-6.1	89.8	90.0	93	1.0	0.648	0.0	74.7	9.5	77.5	78.1	83	1.0	0.883	0.0	
94	84	85	1.0	0.9	0.0	85.1	-6.9	90.6	90.8	94	1.0	0.666	0.0	75.5	8.3	78.6	79.0	84	1.0	0.9	0.0	
94	85	86	1.0	0.916	0.0	85.6	-7.7	91.3	91.7	94	1.0	0.684	0.0	76.3	7.0	79.6	79.9	85	1.0	0.917	0.0	
95	86	87	1.0	0.933	0.0	86.1	-8.5	92.1	92.5	95	1.0	0.703	0.0	77.1	5.6	80.6	80.8	86	1.0	0.933	0.0	
95	87	88	1.0	0.95	0.0	86.7	-9.3	92.9	93.3	95	1.0	0.721	0.0	78.0	4.3	81.6	81.7	87	1.0	0.95	0.0	
96	88	90	1.0	0.966	0.0	87.2	-10.2	93.6	94.2	96	1.0	0.739	0.0	78.8	2.9	82.5	82.6	88	1.0	0.967	0.0	
96	89	91	1.0	0.983	0.0	87.8	-11.1	94.3	95.0	96	1.0	0.76	0.0	79.7	1.5	83.6	83.6	89	1.0	0.983	0.0	
97	90	92	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97	1.0	0.785	0.0	80.7	0.0	84.9	84.9	90	1.0	1.0	0.0	
97	91	93	0.983	1.0	0.0	88.0	-12.5	94.2	95.1	97	1.0	0.809	0.0	81.7	-1.4	86.2	86.2	91	0.983	1.0	0.0	
98	92	94	0.966	1.0	0.0	87.7	-13.1	93.4	94.3	98	1.0	0.834	0.0	82.7	-3.0	87.5	87.5	92	0.967	1.0	0.0	
98	93	95	0.95	1.0	0.0	87.3	-13.7	92.5	93.5	98	1.0	0.859	0.0	83.6	-4.5	88.7	88.8	93	0.95	1.0	0.0	
98	94	96	0.933	1.0	0.0	87.0	-14.3	91.6	92.7	98	1.0	0.887	0.0	84.7	-6.2	90.0	90.3	94	0.933	1.0	0.0	
99	95	98	0.916	1.0	0.0	86.6	-14.8	90.8	92.0	99	1.0	0.923	0.0	85.8	-7.9	91.7	92.0	95	0.917	1.0	0.0	
99	96	99	0.9	1.0	0.0	86.3	-15.4	89.9	91.2	99	1.0	0.958	0.0	87.0	-9.7	93.3	93.8	96	0.9	1.0	0.0	
100	97	100	0.883	1.0	0.0	86.0	-15.9	89.0	90.4	100	1.0	0.994	0.0	88.2	-11.5	94.8	95.6	97	0.883	1.0	0.0	
100	98	101	0.866	1.0	0.0	85.6	-16.4	88.2	89.7	100	1.0	0.968	1.0	0.0	87.7	-13.0	93.5	94.4	98	0.867	1.0	0.0
100	99	102	0.85	1.0	0.0	85.2	-16.9	87.4	89.1	100	1.0	0.929	1.0	0.0	86.9	-14.4	91.4	92.6	99	0.85	1.0	0.0
101	100	103	0.833	1.0	0.0	84.8	-17.4	86.7	88.4	101	0.89	1.0	0.0	86.2	-15.7	89.4	90.8	100	0.833	1.0	0.0	
101	101	105	0.816	1.0	0.0	84.5	-17.9	86.0	87.8	101	0.849	1.0	0.0	85.3	-16.9	87.5	89.1	101	0.817	1.0	0.0	
102	102	106	0.8	1.0	0.0	84.1	-18.3	85.2	87.2	102	0.807	1.0	0.0	84.3	-18.1	85.6	87.5	102	0.8	1.0	0.0	
102	103	107	0.783	1.0	0.0	83.7	-18.8	84.5	86.5	102	0.765	1.0	0.0	83.3	-19.2	83.7	85.9	103	0.783	1.0	0.0	
102	104	108	0.766	1.0	0.0	83.3	-19.2	83.7	85.9	102	0.734	1.0	0.0	82.2	-20.4	82.2	84.7	104	0.767	1.0	0.0	
103	105	109	0.75	1.0	0.0	82.9	-19.7	83.0	85.3	103	0.709	1.0	0.0	81.0	-21.6	80.9	83.7	105	0.75	1.0	0.0	
104	106	110	0.733	1.0	0.0	82.2	-20.5	82.1	84.6	104	0.684	1.0	0.0	79.9	-22.7	79.5	82.7	106	0.733	1.0	0.0	
104	107	112	0.716	1.0	0.0	81.4	-21.3	81.2	84.0	104	0.658	1.0	0.0	78.7	-23.8	78.2	81.7	107	0.717	1.0	0.0	
105	108	113	0.7	1.0	0.0	80.6	-22.0	80.3	83.3	105	0.633	1.0	0.0	77.5	-24.9	76.8	80.8	108	0.7	1.0	0.0	
106	109	114	0.683	1.0	0.0	79.8	-22.8	79.5	82.7	106	0.613	1.0	0.0	76.7	-25.9	75.4	79.7	109	0.683	1.0	0.0	
106	110	115	0.666	1.0	0.0	79.0	-23.5	78.6	82.0	106	0.595	1.0	0.0	76.1	-26.8	74.0	78.7	110	0.667	1.0	0.0	
107	111	116	0.65	1.0	0.0	78.2	-24.2	77.7	81.4	107	0.578	1.0	0.0	75.5	-27.7	72.5	77.7	111	0.65	1.0	0.0	
107	112	117	0.633	1.0	0.0	77.4	-24.9	76.8	80.7	107	0.56	1.0	0.0	74.9	-28.6	71.1	76.6	112	0.633	1.0	0.0	
108	113	119	0.616	1.0	0.0	76.8	-25.7	75.6	79.9	108	0.542	1.0	0.0	74.2	-29.4	69.6	75.6	113	0.617	1.0	0.0	
109	114	120	0.6	1.0	0.0	76.2	-26.6	74.3	78.9	109	0.525	1.0	0.0	73.6	-30.2	68.1	74.6	114	0.6	1.0	0.0	
110	115	121	0.583	1.0	0.0	75.6	-27.5	72.9	78.0	110	0.507	1.0	0.0	73.0	-31.0	66.7	73.5	115	0.583	1.0	0.0	
111	116	122	0.566	1.0	0.0	75.0	-28.3	71.6	77.0	111	0.489	1.0	0.0	72.5	-31.8	65.4	72.8	116	0.567	1.0	0.0	
112	117	123	0.55	1.0	0.0	74.5	-29.1	70.2	76.0	112	0.471	1.0	0.0	71.9	-32.7	64.3	72.2	117	0.55	1.0	0.0	
113	118	124	0.533	1.0	0.0	73.9	-29.9	68.8	75.0	113	0.454	1.0	0.0	71.4	-33.5	63.2	71.5	118	0.533	1.0	0.0	
114	119	126	0.516	1.0	0.0	73.3	-30.6	67.4	74.1	114	0.436	1.0	0.0	70.8	-34.3	62.0	70.9	119	0.517	1.0	0.0	
115	120	127	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115	0.418	1.0	0.0	70.3	-35.1	60.9	70.3	120	0.5	1.0	0.0	

1-1131030-L0 PE950-73 LAB*ab,0,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 PE95; hue code: H*e=R00Y e
48 step hue circles; rgb-LabCh*tables

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

Output: Offset standard print; separation cmyk6*, D65, page 11/38

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; $h_{ab,d} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;										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; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$												
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{ab,e}$	$rgb^*_{ab,d}$	$LAB^*_{ab,e}$	$LAB^*_{ab,d}$	$LAB^*_{ab,e}$	$LAB^*_{ab,d}$	$LAB^*_{ab,e}$	$LAB^*_{ab,d}$	$LAB^*_{ab,e}$	$LAB^*_{ab,d}$	$LAB^*_{ab,e}$	$LAB^*_{ab,d}$	$LAB^*_{ab,e}$	$LAB^*_{ab,d}$	$LAB^*_{ab,e}$	$LAB^*_{ab,d}$	$LAB^*_{ab,e}$			
236	210	216	0.0	1.0	58.3	-29.2	-43.7	52.6	236	C_d	0.0	1.0	0.666	56.1	-43.2	-24.9	50.0	210	C_s			
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

1-1131330-L0 PE950-73 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 PE95; hue code: H_e=R00Y_e
48 step hue circles; $rgb-LabCh$ *tables

input: $rgb/cmyk -> rgbde$
output: 3D-linearization to $cmyk^*de$

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

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; $h_{ab,de} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;									
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^*_{361MI}	rgb^*_{361MI}	rgb^*_{361MI}	rgb^*_{361MI}	rgb^*_{361MI}	rgb^*_{361MI}	rgb^*_{361MI}
333	300	300	0.5	0.0	1.0	37.8	53.8	-26.3	59.9
334	301	301	0.516	0.0	1.0	38.3	54.5	-25.7	60.3
335	302	302	0.533	0.0	1.0	38.7	55.2	-25.2	60.6
336	303	303	0.55	0.0	1.0	39.1	55.8	-24.6	61.0
336	304	304	0.566	0.0	1.0	39.5	56.5	-24.0	61.4
337	305	305	0.583	0.0	1.0	39.9	57.2	-23.4	61.8
338	306	306	0.6	0.0	1.0	40.3	57.8	-22.8	62.2
339	307	307	0.616	0.0	1.0	40.7	58.5	-22.1	62.5
340	308	308	0.633	0.0	1.0	41.1	59.3	-21.4	63.0
341	309	309	0.65	0.0	1.0	41.4	60.3	-20.5	63.7
342	310	310	0.666	0.0	1.0	41.7	61.3	-19.7	64.3
343	311	311	0.683	0.0	1.0	41.9	62.2	-18.8	65.0
344	312	312	0.7	0.0	1.0	42.2	63.2	-17.8	65.6
345	313	313	0.716	0.0	1.0	42.5	64.1	-16.9	66.3
346	314	314	0.733	0.0	1.0	42.8	65.0	-15.9	66.9
347	315	315	0.75	0.0	1.0	43.1	65.9	-14.9	67.6
347	316	316	0.766	0.0	1.0	43.5	66.4	-14.5	68.0
348	317	317	0.783	0.0	1.0	43.8	66.9	-14.1	68.4
348	318	318	0.8	0.0	1.0	44.2	67.3	-13.7	68.7
348	319	319	0.816	0.0	1.0	44.6	67.8	-13.3	69.1
349	320	320	0.833	0.0	1.0	45.0	68.3	-12.9	69.5
349	321	321	0.85	0.0	1.0	45.3	68.8	-12.5	69.9
350	322	322	0.866	0.0	1.0	45.7	69.2	-12.1	70.3
350	323	323	0.883	0.0	1.0	46.1	69.7	-11.7	70.7
350	324	324	0.9	0.0	1.0	46.4	70.1	-11.2	71.0
351	325	325	0.916	0.0	1.0	46.7	70.6	-10.8	71.4
351	326	326	0.933	0.0	1.0	47.0	71.0	-10.3	71.8
352	327	327	0.95	0.0	1.0	47.3	71.5	-9.9	72.2
352	328	328	0.966	0.0	1.0	47.6	71.9	-9.4	72.5
352	329	329	0.983	0.0	1.0	47.9	72.4	-9.0	72.9
353	330	330	1.0	0.0	1.0	48.2	72.8	-8.5	73.3
353	331	331	1.0	0.0	0.983	48.2	72.7	-7.9	73.1
354	332	332	1.0	0.0	0.966	48.2	72.5	-7.4	72.9
354	333	333	1.0	0.0	0.95	48.2	72.4	-6.8	72.7
355	334	334	1.0	0.0	0.933	48.2	72.2	-6.2	72.5
355	335	335	1.0	0.0	0.916	48.2	72.0	-5.7	72.3
355	336	336	1.0	0.0	0.9	48.2	71.9	-5.1	72.1
355	337	337	1.0	0.0	0.883	48.2	71.7	-4.6	71.8
356	338	338	1.0	0.0	0.866	48.2	71.5	-4.0	71.7
357	339	339	1.0	0.0	0.85	48.2	71.4	-3.3	71.5
357	340	340	1.0	0.0	0.833	48.2	71.3	-2.7	71.3
358	341	341	1.0	0.0	0.816	48.2	71.1	-2.1	71.1
358	342	342	1.0	0.0	0.8	48.2	70.9	-1.4	71.0
359	343	343	1.0	0.0	0.783	48.1	70.8	-0.8	70.8
359	344	344	1.0	0.0	0.766	48.1	70.6	-0.2	70.6
360	345	345	1.0	0.0	0.75	48.1	70.4	0.3	70.4

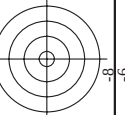


TUB material: code=rha4ta
myn6* (CMYK)

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

TUB-test chart PE95; hue code: $H_e^* = R00Y_e$
colors and differences, ΔE^*

<i>n/j</i>	<i>HIC⁵⁰₁₀₀</i>	<i>rgb⁵⁰₁₀₀</i>	<i>lcl⁵⁰₁₀₀</i>	<i>h₅₀₁₀₀</i>	<i>rgb⁵⁰₁₀₀</i>	<i>LabCH⁵⁰₁₀₀</i>	<i>cmym⁵⁰₁₀₀</i>	<i>h₅₀₁₀₀</i>	<i>rgb⁵⁰₁₀₀</i>	<i>LabCH⁵⁰₁₀₀</i>	<i>delta</i>												
0/648	R00Y_100_100de	1.0	0.0	0.5	390	47.6	64.9	30.9	71.9	25.4	0.0	1.0	0.789	0.0	0.0	0.209	47.6	64.9	30.9	71.9	25.4		
1/666	R25Y_100_100de	1.0	0.25	0.5	44	51.5	54.2	47.2	71.9	41.0	0.0	0.866	1.0	0.0	0.0	0.133	0.0	51.5	54.2	47.2	71.9	41.0	
2/684	R50Y_100_100de	1.0	0.5	0.5	60	0.349	0.0	60.3	35.6	59.0	0.0	0.649	1.0	0.0	0.0	0.349	0.0	60.3	35.6	59.0	68.9	58.8	
3/702	R75Y_100_100de	1.0	0.75	0.5	76	0.563	0.0	70.4	17.0	72.1	0.0	0.435	1.0	0.0	0.0	0.563	0.0	70.4	17.0	72.1	74.1	76.7	
4/720	Y00G_100_100de	1.0	1.0	0.5	90	0.841	0.0	82.9	-3.5	87.9	92.3	0.0	0.159	1.0	0.0	0.841	0.0	82.9	-3.5	87.9	87.9	92.3	
5/558	Y25G_100_100de	0.75	1.0	0.5	104	0.619	1.0	0.0	76.9	-25.5	80.1	0.381	0.0	1.0	0.0	0.619	1.0	0.0	76.9	-25.5	75.9	80.1	108.6
6/396	Y50G_100_100de	0.5	1.0	0.0	120	0.326	1.0	0.0	65.8	-41.4	54.4	0.672	0.0	1.0	0.0	0.326	1.0	0.0	65.8	-41.4	54.4	68.3	127.2
7/234	Y75G_100_100de	0.25	1.0	0.5	136	0.113	1.0	0.0	56.9	-56.3	38.1	0.886	0.0	1.0	0.0	0.113	1.0	0.0	56.9	-56.3	38.1	68.0	145.9
8/72	G00B_100_100de	0.0	1.0	1.0	150	0.0	1.0	0.093	52.4	-67.1	21.5	1.0	0.0	0.905	0.0	0.0	0.0	0.093	52.4	-67.1	21.5	70.5	162.2
9/72	G25B_100_100de	0.0	1.0	0.5	150	0.0	1.0	0.093	52.4	-67.1	21.5	1.0	0.0	0.905	0.0	0.0	0.0	0.093	52.4	-67.1	21.5	70.5	162.2
10/76	G50B_100_100de	0.0	1.0	0.5	180	0.0	1.0	0.46	54.6	-53.2	-9.0	0.535	0.0	0.0	0.0	0.0	0.46	54.6	-53.2	-9.0	53.9	189.6	
11/80	G75B_100_100de	0.0	1.0	1.0	210	0.0	1.0	0.735	32.7	-39.7	-29.9	0.264	0.0	0.0	0.0	0.0	0.735	32.7	-39.7	-29.9	49.8	214.3	
12/44	S00Y_100_100de	0.0	0.5	1.0	240	0.784	0.0	56.7	1.1	44.1	48.9	0.216	0.0	0.0	0.0	0.784	0.0	56.7	1.1	44.1	48.9	246.9	
13/32	S25Y_100_100de	0.0	1.0	1.0	270	0.374	0.0	32.7	1.1	44.1	48.9	0.0	0.0	0.0	0.0	0.374	0.0	32.7	1.1	44.1	48.9	271.7	
14/82	S50Y_100_100de	0.0	1.0	1.0	300	0.045	0.0	26.7	36.6	-45.8	53.4	0.0	0.0	0.0	0.0	0.045	0.0	26.7	36.6	-45.8	53.4	301.7	
15/656	B50R_100_100de	1.0	0.0	1.0	330	0.407	0.0	1.0	34.8	49.2	-30.0	0.954	1.0	0.0	0.0	0.407	0.0	1.0	34.8	49.2	-30.0	57.7	328.6
16/652	B75R_100_100de	1.0	0.0	1.0	360	0.948	0.0	1.0	47.3	71.5	-9.9	0.051	1.0	0.0	0.0	0.948	0.0	1.0	47.3	71.5	-9.9	72.1	352.0
17/648	R00Y_100_100de	1.0	0.0	0.5	390	0.0	0.0	0.209	47.6	64.9	30.9	0.789	0.0	0.0									



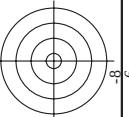
TUB material: code=rha4ta
nyn6* (CMYK)

TUB-test chart PE95; hue code: $H_e^* = R00Y_e$
colors and differences. $\Delta E'^*$

PE950-7N, Page 20/33-F

$n-j$	HIC* r_{Fde}	$r_{\text{gb}}^{\text{Fde}}$	fdr_{Fde}	$h_{\text{gc}}^{\text{Fde}}$	rgb^{Fde}	$\text{LabCH}^{\text{Fde}}$	$\text{LabCH}^{\text{Fde}}$	$\text{cmym}^{\text{sepFde}}$	hsa^{Fde}	rgb^{Mde}	$\text{LabCH}^{\text{Mde}}$	
0	NW_0001de	00	0.0	360	0.0	17.7	0.0	0.0	360	1.0	95.4	
1	B00R_012_012de	00	0.125	0.062	270	0.0	0.046	0.125	248	1.0	37.9	
2	B00R_025_025de	00	0.25	0.125	270	0.0	0.093	0.25	248	0.0	37.9	
3	B00R_037_037de	00	0.375	0.187	270	0.0	0.14	0.375	248	0.0	37.9	
4	B00R_050_050de	00	0.5	0.25	270	0.0	0.187	0.5	248	0.0	37.9	
5	B00R_062_062de	00	0.625	0.312	270	0.0	0.234	0.625	248	0.0	37.9	
6	B00R_075_075de	00	0.75	0.375	270	0.0	0.281	0.75	248	0.0	37.9	
7	B00R_087_087de	00	0.875	0.437	270	0.0	0.327	0.875	248	0.0	37.9	
8	B00R_100_100de	00	1.0	0.5	270	0.0	0.374	1.0	248	0.0	37.9	
9	G00B_012_012de	00	0.125	0.062	150	0.0	0.125	0.011	248	0.0	0.093	
10	G50B_012_012de	00	0.125	0.125	0.062	210	0.0	0.125	0.091	22.5	-4.9	
11	G75B_012_012de	00	0.125	0.25	0.125	240	0.0	0.196	0.25	26.4	-5.2	
12	G84B_037_037de	00	0.125	0.375	0.187	251	0.0	0.225	0.375	28.6	-4.6	
13	G88B_050_050de	00	0.125	0.5	0.25	256	0.0	0.271	0.5	31.1	-4.3	
14	G90B_062_062de	00	0.125	0.625	0.312	259	0.0	0.317	0.625	33.5	-4.1	
15	G92B_075_075de	00	0.125	0.75	0.375	261	0.0	0.363	0.75	36.0	-3.8	
16	G93B_087_087de	00	0.125	0.875	0.437	262	0.0	0.413	0.875	38.7	-3.6	
17	G94B_100_100de	00	0.125	1.0	0.5	263	0.0	0.46	1.0	41.2	-3.6	
18	G00B_025_025de	00	0.25	0.125	150	0.0	0.25	0.023	26.3	16.7	5.3	
19	G25B_025_025de	00	0.25	0.25	125	180	0.0	0.25	0.115	26.9	-13.3	
20	G50B_025_025de	00	0.25	0.375	0.187	229	0.0	0.375	0.365	27.8	-9.9	
21	G65B_037_037de	00	0.375	0.25	0.125	210	0.0	0.439	0.25	30.5	-11.4	
22	G75B_050_050de	00	0.5	0.375	0.25	240	0.0	0.581	0.375	35.2	-10.5	
23	G80B_062_062de	00	0.625	0.437	0.312	247	0.0	0.638	0.437	37.1	-9.6	
24	G84B_075_075de	00	0.75	0.5	0.375	251	0.0	0.685	0.5	39.5	-9.3	
25	G88B_087_087de	00	0.875	0.625	0.437	254	0.0	0.732	0.625	41.9	-8.7	
26	G90B_100_100de	00	1.0	0.75	0.5	256	0.0	0.779	0.75	44.9	-8.4	
27	G00B_037_037de	00	0.375	0.125	0.375	159	0.0	0.375	0.034	31.7	-25.1	
28	G13B_037_037de	00	0.375	0.25	0.375	187	0.0	0.439	0.25	34.3	-21.6	
29	G34B_037_037de	00	0.375	0.375	0.375	191	0.0	0.581	0.375	37.2	-18.1	
30	G50B_037_037de	00	0.375	0.5	0.5	224	0.0	0.735	0.5	40.5	-14.9	
31	G61B_050_050de	00	0.375	0.625	0.625	0.312	233	0.0	0.881	0.625	42.2	-17.1
32	G69B_062_062de	00	0.375	0.75	0.75	240	0.0	0.938	0.75	43.9	-15.8	
33	G75B_075_075de	00	0.375	0.875	0.							

n	HiC*File	rgb*File	Lab*File	rgb*File	Lab*File	cmyk*sep	cmyn*sep	Lab*File	rgb*File	Lab*File	delta
486	R00Y.075.075de	0.75	0.0	0.75	0.0	0.157	40.1	48.7	23.2	53.9	25.4
487	R35Y.075.075de	0.75	0.0	0.75	0.0	0.321	40.2	50.4	23.8	52.0	15.4
488	R80Y.075.075de	0.75	0.0	0.75	0.0	0.495	40.4	52.0	3.9	52.2	4.3
489	R00Y.075.075de	0.75	0.0	0.75	0.0	0.735	39.9	53.6	-7.4	54.1	352.0
490	B65R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
491	B57R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
492	B50R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
493	B43R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
494	B36R.100.100de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
495	R15Y.075.075de	0.75	0.0	0.75	0.0	0.157	40.1	48.7	23.2	53.9	25.4
496	R00Y.075.075de	0.75	0.0	0.75	0.0	0.321	40.2	50.4	23.8	52.0	15.4
497	R35Y.075.075de	0.75	0.0	0.75	0.0	0.495	40.4	52.0	3.9	52.2	4.3
498	R80Y.075.075de	0.75	0.0	0.75	0.0	0.735	39.9	53.6	-7.4	54.1	352.0
499	B65R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
500	B57R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
501	B50R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
502	B43R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
503	B36R.100.100de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
504	R15Y.075.075de	0.75	0.0	0.75	0.0	0.157	40.1	48.7	23.2	53.9	25.4
505	R00Y.075.075de	0.75	0.0	0.75	0.0	0.321	40.2	50.4	23.8	52.0	15.4
506	R35Y.075.075de	0.75	0.0	0.75	0.0	0.495	40.4	52.0	3.9	52.2	4.3
507	R80Y.075.075de	0.75	0.0	0.75	0.0	0.735	39.9	53.6	-7.4	54.1	352.0
508	B65R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
509	B57R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
510	B50R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
511	B43R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
512	B36R.100.100de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
513	R15Y.075.075de	0.75	0.0	0.75	0.0	0.157	40.1	48.7	23.2	53.9	25.4
514	R00Y.075.075de	0.75	0.0	0.75	0.0	0.321	40.2	50.4	23.8	52.0	15.4
515	R35Y.075.075de	0.75	0.0	0.75	0.0	0.495	40.4	52.0	3.9	52.2	4.3
516	R80Y.075.075de	0.75	0.0	0.75	0.0	0.735	39.9	53.6	-7.4	54.1	352.0
517	B65R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
518	B57R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
519	B50R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
520	B43R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
521	B36R.100.100de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
522	R65Y.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
523	R61Y.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
524	R50Y.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
525	R31Y.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
526	R00Y.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
527	R00Y.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
528	B50R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
529	B34R.087.037de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
530	B23R.100.050de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
531	R85Y.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
532	R81Y.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
533	R76Y.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
534	R68Y.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
535	R50Y.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
536	R00Y.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
537	B50R.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
538	B13R.100.037de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
539	B13R.100.037de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
540	Y00G.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
541	Y00G.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
542	Y00G.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
543	Y00G.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
544	Y00G.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
545	Y00G.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
546	Y00G.075.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
547	B00R.087.012de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
548	B00R.100.025de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
549	Y13C.087.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
550	Y18C.087.062de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
551	Y18C.087.062de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
552	Y23C.087.050de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
553	Y31G.087.037de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
554	Y50C.087.025de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
555	Y00C.087.012de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
556	G50B.087.012de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
557	G73B.100.025de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
558	Y23C.100.100de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
559	Y26C.100.087de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
560	Y31G.100.075de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
561	Y38C.100.062de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
562	Y68C.100.037de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
563	Y68C.100.037de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
564	G05B.100.025de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
565	G25B.100.025de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6
566	G50B.100.025de	0.75	0.0	0.75	0.0	0.735	34.9	50.4	-11.6	50.4	346.6



TUB material: code=rha4ta
nyn6* (CMYK)

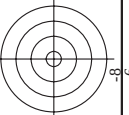
input: $rgb/cmyk \rightarrow rgb_{de}$
output: $3D\text{-linearization to } cmyk^*_{de}$

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colors and differences, ΔE^*



n	HC*File	rgb*File	ic*File	hsa*File	rgb*File	LabCh*File	cmyk*sep	mean	delta
648	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
649	R38Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
650	R26Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
651	R13Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
652	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
653	R68R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
654	B61R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
655	B55R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
656	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
657	R11Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
658	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
659	R38Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
660	R26Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
661	R13Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
662	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
663	B68R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
664	B55R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
665	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
666	R23Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
667	R13Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
668	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
669	R38Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
670	R26Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
671	R13Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
672	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
673	B68R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
674	B55R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
675	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
676	R26Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
677	R13Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
678	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
679	R38Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
680	R26Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
681	B68R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
682	B55R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
683	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
684	R50Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
685	R41Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
686	R31Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
687	R18Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
688	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
689	R26Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
690	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
691	B61R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
692	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
693	R63Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
694	R38Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
695	R38Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
696	R38Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
697	R23Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
698	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
699	R18Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
700	B68R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
701	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
702	R76Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
703	R31Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
704	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
705	B55R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
706	B50Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
707	R31Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
708	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
709	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
710	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
711	R88Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
712	R85Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
713	R85Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
714	R81Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
715	R76Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
716	R88Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
717	R85Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
718	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
719	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
720	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
721	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
722	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
723	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
724	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
725	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
726	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
727	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0
728	NW_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0



TUB material: code=rha4ta
nyn6* (CMYK)

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

TUB-test chart PE95; hue code: $H_e^* = R00Y_e$
 colors and differences, ΔE^*

[illegible]

TUB registration: 20150701-PE95/PE95L0FP.PDF /.PS
application for measurement of offset print output, separation cmyn6* (CMYK)

TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/PE95/PE95.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

<http://130.149.60.45/~farbmetrik/PE95/PE95L0FP.PDF /.PS; 3D-linearization>
F: 3D-linearization PE95/PE95LE30FP.DAT in file (F), page 33/33

n	HC*File	rgb*File	icT*File	hsa*File	rgb*File	LabCH*File	cmyn*sep*File	rgb*File	hsa*File	rgb*File	LabCH*File	delta
1053	NW_086de	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	0.024 0.007 0.0	0.179 0.0 0.084	360 0.0005 0.0	0.007 0.0 0.084	0.0 0.0 0.0	0.0
1054	NW_093de	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	0.02 0.005 0.0	0.084 0.0 0.0	360 0.005 0.0	0.005 0.0 0.0	0.0 0.0 0.0	0.0
1055	NW_100de	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	0.0 0.0 0.0	360 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1056	NW_100de	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	0.139 0.022 0.0	0.933 0.048 0.871	360 0.043 0.048	0.043 0.048 0.871	0.0 0.0 0.0	0.0
1057	NW_013de	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 0.0 0.0	0.825 0.0 0.0	360 0.015 0.0	0.015 0.0 0.0	0.0 0.0 0.0	0.0
1058	NW_026de	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	33.2 0.0 0.0	0.057 0.036 0.0	0.781 0.0 0.0	360 0.016 0.016	0.016 0.016 0.781	0.0 0.0 0.0	0.0
1059	NW_026de	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	33.2 0.0 0.0	0.0 0.0 0.0	0.672 0.0 0.0	360 0.013 0.013	0.013 0.013 0.672	0.0 0.0 0.0	0.0
1060	NW_026de	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	43.6 0.0 0.0	0.027 0.019 0.0	0.628 0.0 0.0	360 0.016 0.016	0.016 0.016 0.628	0.0 0.0 0.0	0.0
1061	NW_040de	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	48.8 0.0 0.0	0.021 0.007 0.0	0.541 0.0 0.0	360 0.021 0.021	0.021 0.021 0.541	0.0 0.0 0.0	0.0
1062	NW_046de	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	53.9 0.0 0.0	0.006 0.006 0.0	0.478 0.0 0.0	360 0.006 0.006	0.006 0.006 0.478	0.0 0.0 0.0	0.0
1063	NW_053de	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	59.1 0.0 0.0	0.006 0.005 0.0	0.405 0.0 0.0	360 0.006 0.005	0.005 0.005 0.405	0.0 0.0 0.0	0.0
1064	NW_053de	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	64.3 0.0 0.0	0.021 0.011 0.0	0.322 0.0 0.0	360 0.021 0.021	0.021 0.021 0.322	0.0 0.0 0.0	0.0
1065	NW_066de	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	69.5 0.0 0.0	0.007 0.005 0.0	0.26 0.0 0.0	360 0.007 0.005	0.005 0.005 0.26	0.0 0.0 0.0	0.0
1066	NW_066de	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	74.7 0.0 0.0	0.024 0.007 0.0	0.179 0.0 0.0	360 0.024 0.007	0.007 0.007 0.179	0.0 0.0 0.0	0.0
1067	NW_073de	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	79.9 0.0 0.0	0.002 0.005 0.0	0.084 0.0 0.0	360 0.002 0.005	0.005 0.005 0.084	0.0 0.0 0.0	0.0
1068	NW_086de	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 0.0 0.0	0.0 0.0 0.0	360 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1069	NW_086de	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	0.0 0.0 0.0	360 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1070	NW_093de	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	0.0 0.0 0.0	360 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1071	NW_100de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	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	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1072	NW_100de	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	0.0 0.0 0.0	360 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1073	ROXY_100_100de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	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	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1074	ROXY_100_100de	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	0.0 0.0 0.0	360 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1075	G50E_100_100de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	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	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1076	G50E_100_100de	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	0.0 0.0 0.0	360 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1077	Y06E_100_100de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	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	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1078	Y06E_100_100de	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	0.0 0.0 0.0	360 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1079	B50E_100_100de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	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	0.0 0.0 0.0	0.0 0.0 0.0	0.0
1079	B50E_100_100de	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	0.0 0.0 0.0	360 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0

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

TUB-test chart PE95; hue code: H*e=R00Y e
colors and differences, ΔE^*

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