

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

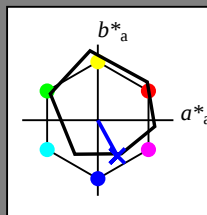
Data for any device (d) or elementary (e) colour:

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

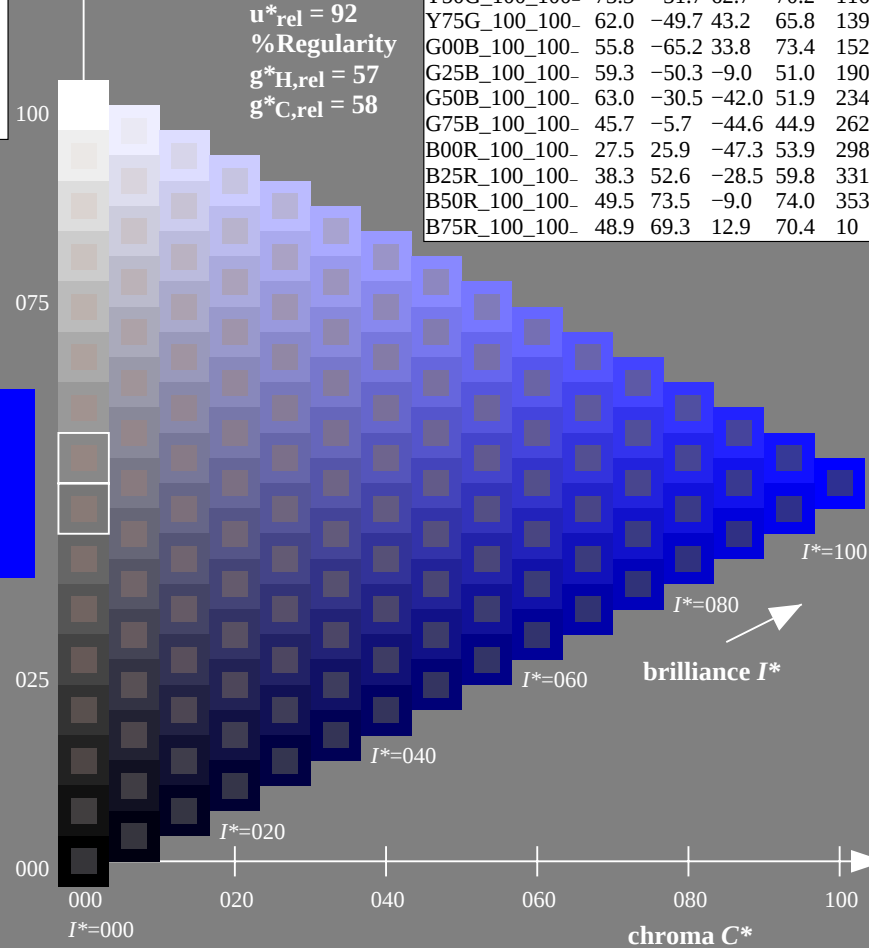
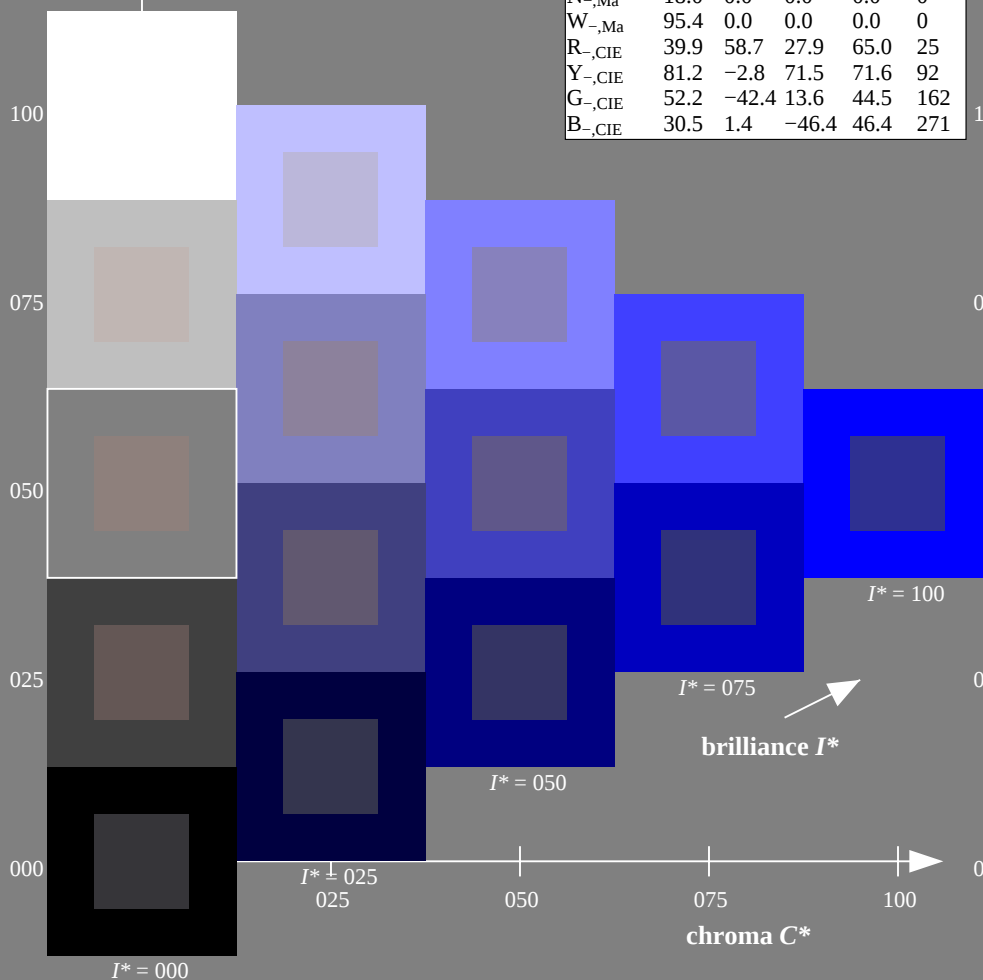
$u^*_{rel} = 92$

% 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 RE15; hue code: $H^*_ = B00R_-$
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 $h_{ab,a,rel} = h_{ab}/360 = 271/360 = 0.75$

$H^*_e = B00R_e$

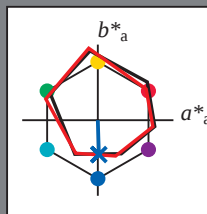
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = B00R_e$

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):

$LabCh^*_e, Ma: 37 \ 1 \ -45 \ 45 \ 271$

$HIC^*_e, Ma: B00R_100_100_e$

$rgbic^*_e, Ma:$

0.0 0.37 1.0 1.0 1.0

triangle lightness T^*

% Gamut

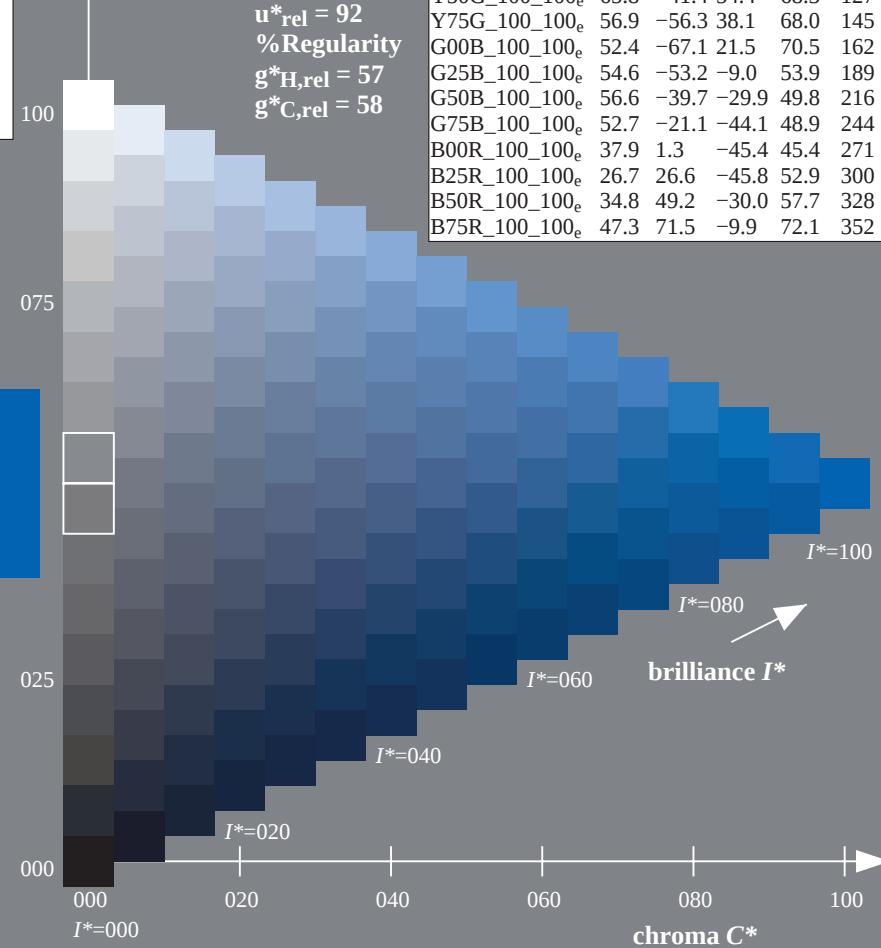
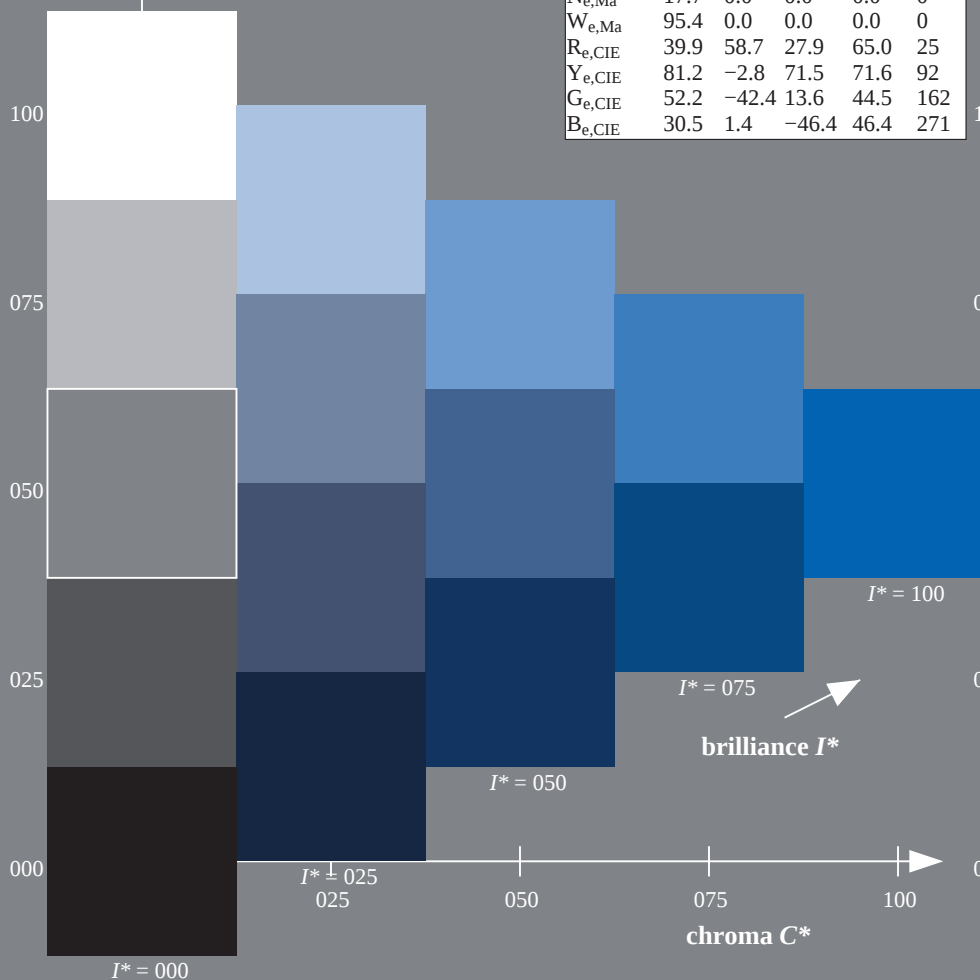
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_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 RE15; hue code: $H^*_e = B00R_e$
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 $h_{ab,rel} = h_{ab}/360 = 271/360 = 0.75$

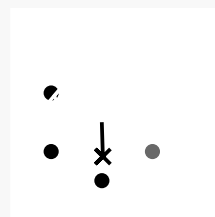
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = B00R_e$

triangle lightness T^*



Data for maximum colour (Ma):

$LabCh^*_{e, Ma}: 37 \ 1 \ -45 \ 45 \ 271$

$HIC^*_{e, Ma}: B00R_{100_100_e}$

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

0.0 0.37 1.0 1.0 1.0

triangle lightness T^*

%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*H_{rel} = 57$

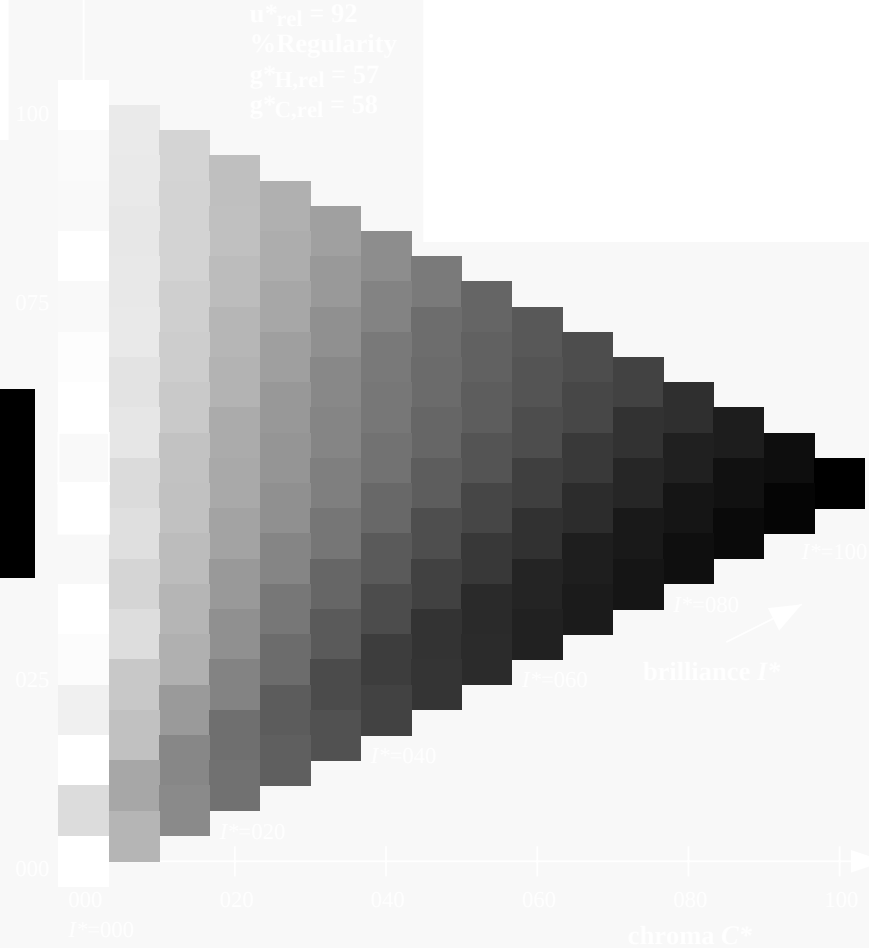
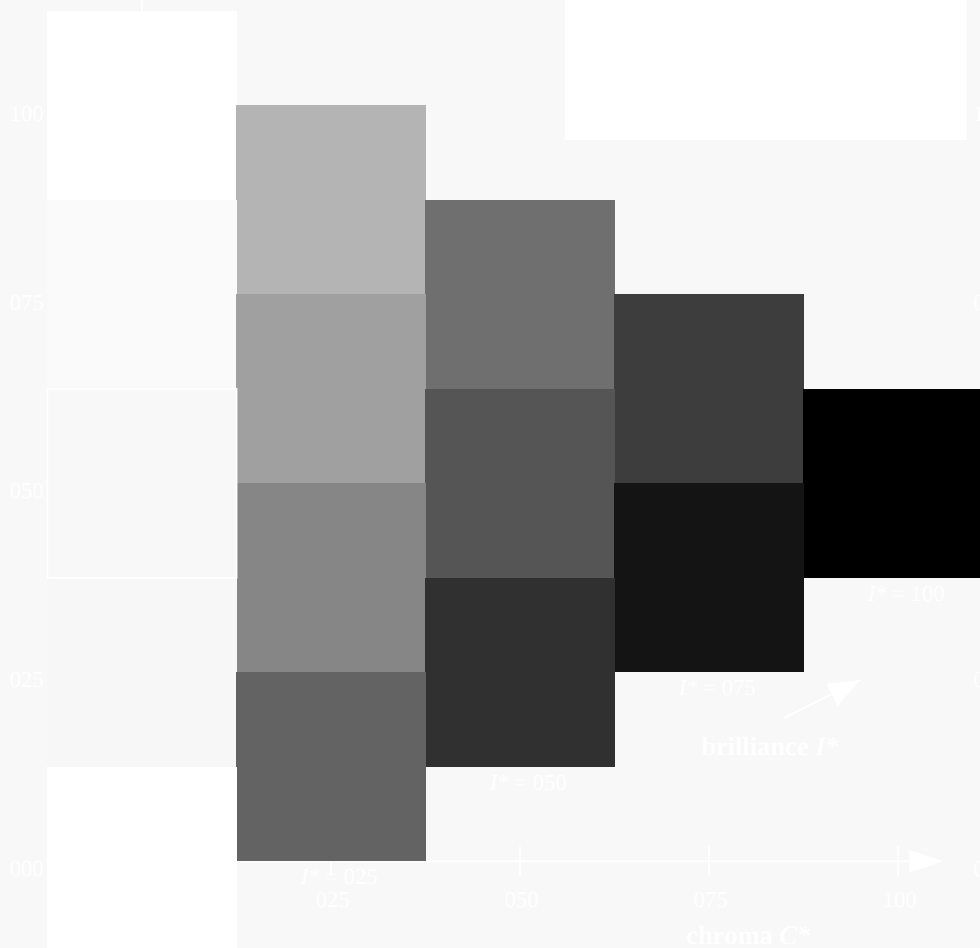
$g^*C_{rel} = 58$

$H^*_e = B00R_e$

see similar files: <http://130.149.60.45/~farbmetrik/RE15/RE15.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE15/RE15L0FP.PDF /.PS
application for measurement of offset print output, separation cmyk* (CMYK)

TUB material: code=rha4ta



1-113230-L0 RE150-73

TUB-test chart RE15; hue code: $H^*_e = B00R_e$

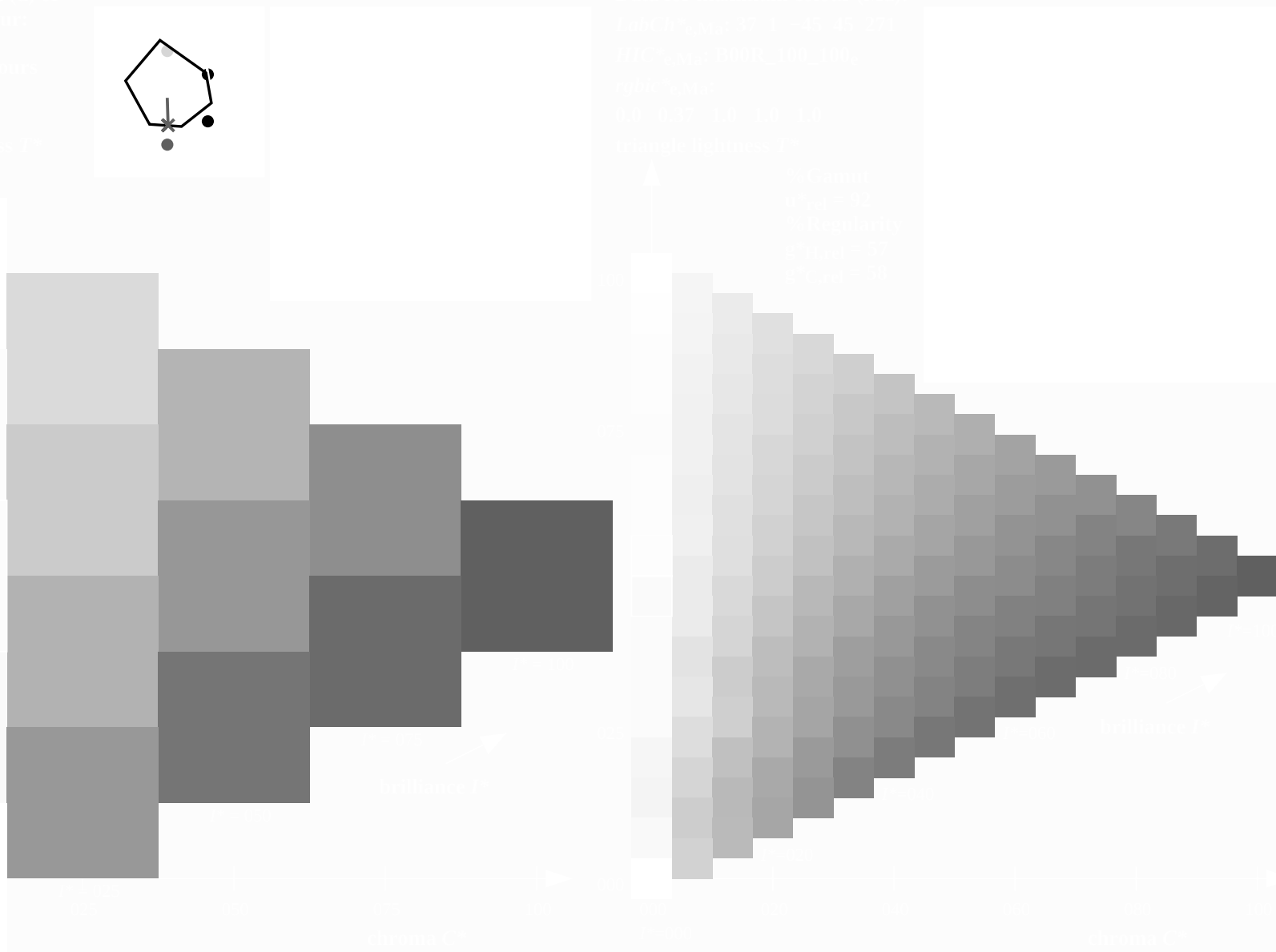
Test chart according to DIN 33872, 3D=1, de=1, cmyk*

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

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

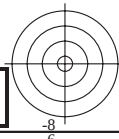
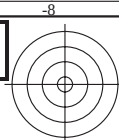
see similar files: <http://130.149.60.45/~farbmetrik/RE15/RE15.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-RE15/RE15L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyk* (CMYK)



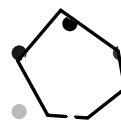
TUB-test chart RE15; hue code: $H^*_e = B00R_e$
Test chart according to DIN 33872, 3D=1, $de=1$, cmyk*

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



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

<http://130.149.60.45/~farbmetrik/RE15/RE15L0FP.PDF> /.PS; 3D-linearization
F: 3D-linearization RE15/RE15LE30FP.DAT in file (F), page 5/33

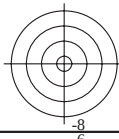
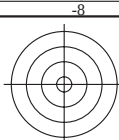


TUB-test chart RE15; hue code: $H^*_e=B00R_e$
Test chart according to DIN 33872, 3D=1, *de*=1, *cmyk**

1-113430-L0 RE150-73



see similar files: <http://130.149.60.45/~farbmetrik/RE15/RE15.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



1-113430-E0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 271/360 = 0.75$

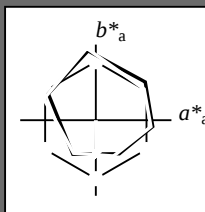
Data for any device (d) or elementary (e) colour:

HIC_e^*

hue text for the colours of this page:

$H_e^* = B00R_e$

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):

$LabCh_e^*, Ma: 37 \ 1 \ -45 \ 45 \ 271$

$HIC_e^*, Ma: B00R_100_100_e$

$rgbic_e^*, Ma:$

0.0 0.37 1.0 1.0 1.0

triangle lightness T^*

% Gamut

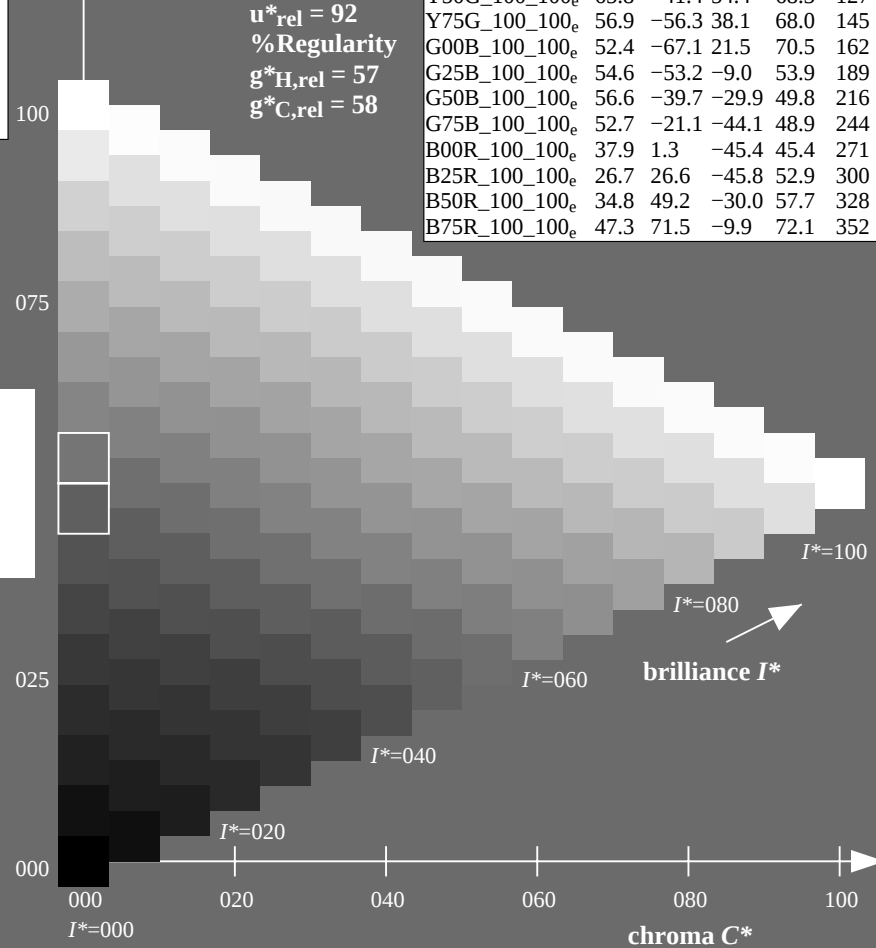
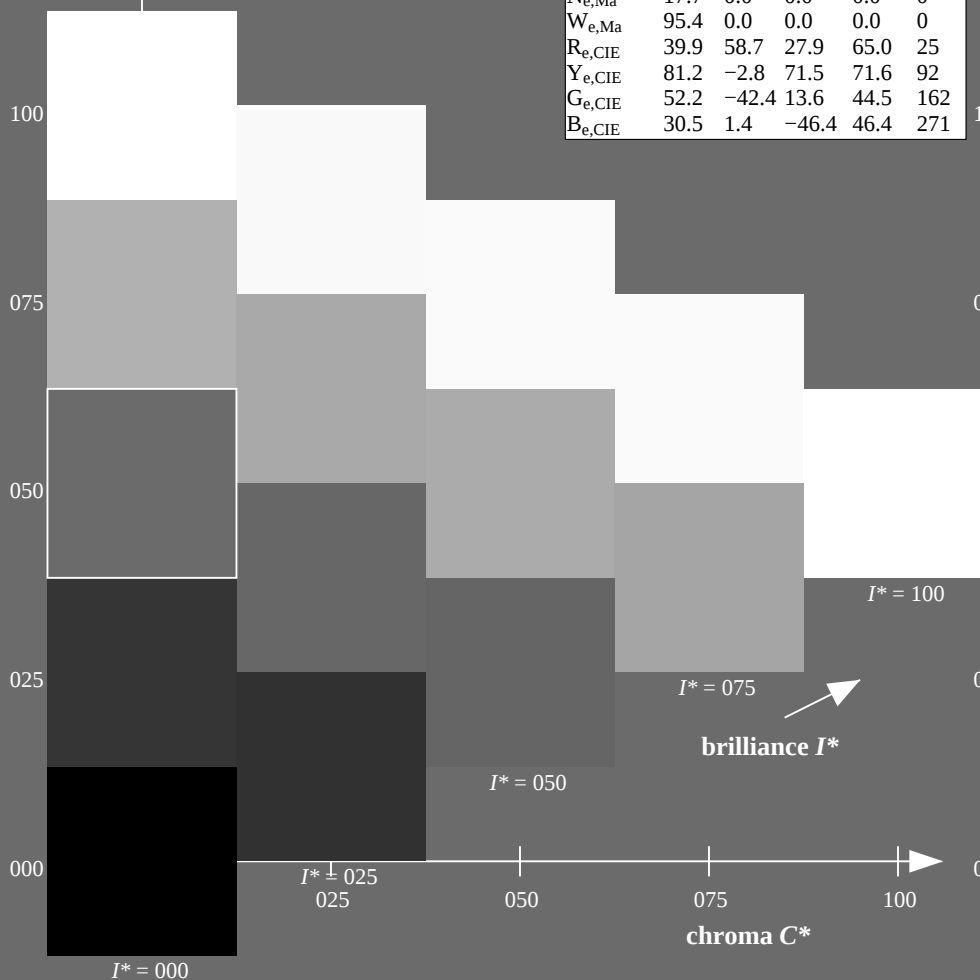
$u_{rel}^* = 92$

% Regularity

$g_{H,rel}^* = 57$

$g_{C,rel}^* = 58$

ORS20a; adapted (a) CIELAB data					
H_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 RE15; hue code: $H_e^* = B00R_e$
Test chart according to DIN 33872, 3D=1, $de=1$, cmk^*

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

http://130.149.60.45/~farbmetrik/RE15/RE15L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization RE15/RE15L30FP.DAT in file (F), page 7/33

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

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

1. For the rgb^* -input values the CIELAB data LCH^* and LAB^* have been calculated.

2. For the calculation of the standard hue angle h_{ab} use for any device values rgb^* the equation:

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

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

$h_{360ab,sij} = h_{ab,si} + j \cdot \frac{h_{ab,si+1} - h_{ab,si}}{1/60}$ ($i=0,1,...,5; j=0,1,...,59$) (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:

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

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

5. For any elementary hue angle h_{ab} there is a well defined device hue angle h_{ab} see the following tables, columns 1 to 5 or 1 to 4.

6. The values rgb^* produce the output of the device-independent elementary hues

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

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

LAB*_{la0}, 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 RE15; hue code: H*_e=B00R_e
48 step hue circles; $rgb-LabCh$ *tables

1-113630-L0 RE150-73 LAB*_{la0}, 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

1-113630-F0

see similar files: <http://130.149.60.45/~farbmatrik/RE15/RE15.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

Data of Maximum color M in colorimetric system Offset standard print; separation cmv66*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGCMB; $s_{hab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

LAB* _{64M} (x=LabCh)										rgb* _{64M}										LAB* _{361M}										rgb* _{361M}										LAB* _{d64M}										rgb* _{d64M}										LAB* _{d361M}										rgb* _{d361M}										LAB* _{d96M}										rgb* _{d96M}										LAB* _{d384M}										rgb* _{d384M}										LAB* _{d1024M}										rgb* _{d1024M}										LAB* _{d1536M}										rgb* _{d1536M}										LAB* _{d2048M}										rgb* _{d2048M}										LAB* _{d2688M}										rgb* _{d2688M}										LAB* _{d3456M}										rgb* _{d3456M}										LAB* _{d4608M}										rgb* _{d4608M}										LAB* _{d6144M}										rgb* _{d6144M}										LAB* _{d8192M}										rgb* _{d8192M}										LAB* _{d10944M}										rgb* _{d10944M}										LAB* _{d14592M}										rgb* _{d14592M}										LAB* _{d19456M}										rgb* _{d19456M}										LAB* _{d25920M}										rgb* _{d25920M}										LAB* _{d34560M}										rgb* _{d34560M}										LAB* _{d46080M}										rgb* _{d46080M}										LAB* _{d61440M}										rgb* 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output: 3D-linearization to $cmyk^*_{de}$

TUB-test chart RE15; hue code: $H_e^* = B00R_e$

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 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; $h_{ab,de} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$										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; $h_{ab,de} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$												
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}			
88	75	75	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88	1.0	0.55	0.0	69.8	18.3	71.3	73.6	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	

LAB*a0, 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 RE15; hue code: H*_e=B00R_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 RYGBCM; $h_{ab,de} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																					
Six hue angles of the device colours RYGBCM; $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																					
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	Lab^*_{d361M}	Lab^*_{s361M}	Lab^*_{e361M}	Lab^*_{d361M}	Lab^*_{s361M}	Lab^*_{e361M}	Lab^*_{d361M}	Lab^*_{s361M}	Lab^*_{e361M}	Lab^*_{d361M}	Lab^*_{s361M}	Lab^*_{e361M}	Lab^*_{d361M}	Lab^*_{s361M}	Lab^*_{e361M}	Lab^*_{d361M}	Lab^*_{s361M}	Lab^*_{e361M}	
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
116	121	128	0.483	1.0	0.0	72.2	-32.1	65.0	72.5	116	0.4	1.0	0.0	69.7	-35.8	59.8	69.7	121	0.483	1.0	0.0
117	122	129	0.466	1.0	0.0	71.7	-32.9	63.9	71.9	117	0.383	1.0	0.0	69.2	-36.5	58.6	69.1	122	0.467	1.0	0.0
118	123	130	0.45	1.0	0.0	71.2	-33.7	62.9	71.4	118	0.369	1.0	0.0	68.5	-37.4	57.7	68.8	123	0.45	1.0	0.0
119	124	131	0.433	1.0	0.0	70.7	-34.5	61.8	70.8	119	0.359	1.0	0.0	67.9	-38.3	56.9	68.7	124	0.433	1.0	0.0
120	125	133	0.416	1.0	0.0	70.2	-35.2	60.8	70.2	120	0.349	1.0	0.0	67.3	-39.2	56.2	68.6	125	0.417	1.0	0.0
121	126	134	0.4	1.0	0.0	69.6	-35.9	59.7	69.6	121	0.339	1.0	0.0	66.6	-40.2	55.4	68.5	126	0.4	1.0	0.0
121	127	135	0.383	1.0	0.0	69.1	-36.5	58.6	69.1	121	0.329	1.0	0.0	66.0	-41.1	54.6	68.4	127	0.383	1.0	0.0
123	128	136	0.366	1.0	0.0	68.3	-37.7	57.4	68.7	123	0.319	1.0	0.0	65.3	-42.0	53.8	68.3	128	0.367	1.0	0.0
124	129	137	0.35	1.0	0.0	67.3	-39.2	56.2	68.6	124	0.309	1.0	0.0	64.7	-42.8	53.0	68.2	129	0.35	1.0	0.0
126	130	138	0.333	1.0	0.0	66.2	-40.8	54.9	68.4	126	0.299	1.0	0.0	64.1	-43.7	52.2	68.1	130	0.333	1.0	0.0
128	131	140	0.316	1.0	0.0	65.1	-42.3	53.6	68.2	128	0.289	1.0	0.0	63.4	-44.5	51.3	68.0	131	0.317	1.0	0.0
129	132	141	0.3	1.0	0.0	64.0	-43.7	52.2	68.1	129	0.28	1.0	0.0	62.8	-45.4	50.5	67.9	132	0.3	1.0	0.0
131	133	142	0.283	1.0	0.0	63.0	-45.1	50.8	67.9	131	0.27	1.0	0.0	62.1	-46.2	49.6	67.8	133	0.283	1.0	0.0
133	134	143	0.266	1.0	0.0	61.9	-46.5	49.3	67.8	133	0.26	1.0	0.0	61.5	-47.0	48.7	67.8	134	0.267	1.0	0.0
134	135	144	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134	0.249	1.0	0.0	60.9	-47.7	47.8	67.7	135	0.25	1.0	0.0
136	136	145	0.233	1.0	0.0	60.4	-48.8	46.7	67.6	136	0.237	1.0	0.0	60.5	-48.5	47.0	67.6	136	0.233	1.0	0.0
137	137	147	0.216	1.0	0.0	59.9	-49.8	45.6	67.5	137	0.224	1.0	0.0	60.1	-49.3	46.1	67.6	137	0.217	1.0	0.0
138	138	148	0.2	1.0	0.0	59.4	-50.8	44.4	67.5	138	0.211	1.0	0.0	59.8	-50.1	45.2	67.6	138	0.2	1.0	0.0
140	139	149	0.183	1.0	0.0	59.0	-51.8	43.2	67.4	140	0.198	1.0	0.0	59.4	-50.9	44.3	67.5	139	0.183	1.0	0.0
141	140	150	0.166	1.0	0.0	58.5	-52.7	42.0	67.4	141	0.185	1.0	0.0	59.1	-51.6	43.4	67.5	140	0.167	1.0	0.0
142	141	151	0.15	1.0	0.0	58.1	-53.6	40.8	67.4	142	0.172	1.0	0.0	58.7	-52.3	42.5	67.5	141	0.15	1.0	0.0
144	142	152	0.133	1.0	0.0	57.6	-54.5	39.5	67.3	144	0.159	1.0	0.0	58.4	-53.0	41.5	67.4	142	0.133	1.0	0.0
145	143	154	0.116	1.0	0.0	57.0	-55.9	38.3	67.8	145	0.147	1.0	0.0	58.0	-53.7	40.6	67.4	143	0.117	1.0	0.0
147	144	155	0.1	1.0	0.0	56.3	-57.8	37.1	68.7	147	0.134	1.0	0.0	57.7	-54.4	39.6	67.4	144	0.1	1.0	0.0
149	145	156	0.083	1.0	0.0	55.5	-59.7	35.8	69.6	149	0.122	1.0	0.0	57.3	-55.2	38.7	67.5	145	0.083	1.0	0.0
150	146	157	0.066	1.0	0.0	54.8	-61.6	34.4	70.6	150	0.112	1.0	0.0	56.9	-56.3	38.1	68.0	146	0.067	1.0	0.0
152	147	158	0.049	1.0	0.0	54.1	-63.4	32.9	71.5	152	0.103	1.0	0.0	56.4	-57.4	37.4	68.6	147	0.05	1.0	0.0
154	148	159	0.033	1.0	0.0	53.4	-65.3	31.4	72.4	154	0.093	1.0	0.0	56.0	-58.5	36.6	69.1	148	0.033	1.0	0.0
156	149	161	0.016	1.0	0.0	52.6	-67.1	29.8	73.4	156	0.084	1.0	0.0	55.6	-59.6	35.9	69.7	149	0.017	1.0	0.0
157	150	162	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157	0.074	1.0	0.0	55.2	-60.7	35.1	70.2	150	0.0	1.0	0.0
158	151	163	0.0	1.0	0.0	51.0	-69.5	26.9	73.6	158	0.065	1.0	0.0	54.8	-61.8	34.3	70.7	151	0.0	1.0	0.0
159	152	164	0.0	1.0	0.0	50.3	-70.1	25.7	72.9	159	0.055	1.0	0.0	54.4	-62.8	33.5	71.3	152	0.0	1.0	0.0
160	153	164	0.0	1.0	0.0	50.5	-70.2	24.5	72.2	160	0.046	1.0	0.0	53.9	-63.9	32.6	71.8	153	0.0	1.0	0.0
160	154	165	0.0	1.0	0.0	50.6	-70.2	23.3	71.6	160	0.036	1.0	0.0	53.5	-64.9	31.7	72.3	154	0.0	1.0	0.0
161	155	166	0.0	1.0	0.0	50.8	-70.3	22.1	70.9	161	0.027	1.0	0.0	53.1	-65.9	30.8	72.9	155	0.0	1.0	0.0
162	156	167	0.0	1.0	0.0	51.2	-70.4	21.0	70.2	162	0.017	1.0	0.0	52.7	-67.0	29.9	73.4	156	0.0	1.0	0.0
163	157	168	0.0	1.0	0.0	51.6	-70.5	20.0	69.5	163	0.008	1.0	0.0	52.3	-68.0	28.9	73.9	157	0.0	1.0	0.0
164	158	169	0.0	1.0	0.0	51.3	-70.6	18.6	68.7	164	0.0	1.0	0.0	52.0	-68.7	27.8	74.2	158	0.0	1.0	0.0
165	159	170	0.0	1.0	0.0	51.5	-70.7	17.3	67.9	165	0.0	1.0	0.0	52.1	-68.3	26.3	73.3	159	0.0	1.0	0.0
166	160	171	0.0	1.0	0.0	51.6	-70.8	16.0	67.0	166	0.0	1.0	0.0	52.2	-68.0	24.8	72.4	160	0.0	1.0	0.0
167	161	172	0.0	1.0	0.0	51.8	-70.9	14.7	66.1	167	0.0	1.0	0.0	52.3	-67.6	23.3	71.6	161	0.0	1.0	0.0
168	162	173	0.0	1.0	0.0	52.0	-71.0	13.4	65.3	168	0.0	1.0	0.0	52.4	-67.1	21.8	70.7	162	0.0	1.0	0.0
169	163	174	0.0	1.0	0.0	52.1	-71.1	12.2	64.4	169	0.0	1.0	0.0	52.5	-66.7	20.4	69.8	163	0.0	1.0	0.0
170	164	175	0.0	1.0	0.0	52.3	-71.2	11.0	63.6	170	0.0	1.0	0.0	52.6	-66.2	19.0	69.0	164	0.0	1.0	0.0
170	165	175	0.0	1.0	0.0	52.5	-71.3	9.8	62.7	170	0.0	1.0	0.0	52.7	-65.7	17.6	68.1	165	0.0	1.0	0.0

1-1131130-L0 RE150-73 LAB* h_{ab} , $h_{ab,s}$, $h_{ab,e}$, $Y_N=0\%$, $XY_{ZnW}=2.4, 2.5, 2.6, 85.1, 88.8, 104.3$, LAB* h_{ab} , $h_{ab,s}$, $h_{ab,e}$, $Y_N=0\%$, $XY_{ZnW}=17.7, 0.0, 95.5, 0.0, 0.0$

TUB-test chart RE15; hue code: H* $_{ab}$ =B00R $_{ab}$
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 12/38

<http://130.149.60.45/~farbmatrik/RE15/RE15L0FP.PDF> /PS; 3D-linearization RE15/RE15LE30FP.DAT in file (F), page 13/33

0.5, 0.0, 0.0	Output: Offset sta
input: <i>rgb/cmyk</i> $\rightarrow$ <i>rgb</i> _{de}	
output: 3D-linearization to <i>cmyk</i> * _{de}	

RE150-73 LAB*a0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3,
TUB-test chart RE15; hue code: H*e=B00Re
48 step hue circles; *rgb-LabCh**tables

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 RYGCBM _s ; h _{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0.														
RYGCBM _s ; h _{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the device colours RYGCBM _s ; h _{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6														
rgb*_d361MI	LAB*_d361MI	h _{ab,e}	rgb*_d361MI (x=LabCh)	LAB*_d361MI (x=LabCh)	rgb*_d361MI	LAB*_d361MI	h _{ab,e}	rgb*_d361MI	LAB*_d361MI	h _{ab,e}	rgb*_d361MI	LAB*_d361MI	h _{ab,e}	rgb*_d361MI
0.0	1.0	0.25	53.2	-65.7 17.6	68.1	165	0.0	1.0	0.311	53.7	-59.7 4.3	59.9	175	0.0
0.0	1.0	0.266	53.4	-65.1 16.3	67.2	166	0.0	1.0	0.322	53.8	-59.2 3.3	59.4	176	0.0
0.0	1.0	0.283	53.5	-64.5 14.9	66.3	167	0.0	1.0	0.334	53.8	-58.7 2.3	58.9	177	0.0
0.0	1.0	0.3	53.6	-63.9 13.6	65.4	168	0.0	1.0	0.345	53.9	-58.3 1.4	58.4	178	0.0
0.0	1.0	0.316	53.7	-62.2 12.3	64.5	169	0.0	1.0	0.356	54.0	-57.7 0.4	57.8	179	0.0
0.0	1.0	0.333	53.8	-62.6 11.1	63.6	170	0.0	1.0	0.368	54.1	-57.2 -0.4	57.3	180	0.0
0.0	1.0	0.35	53.9	-61.9 9.8	62.8	171	0.0	1.0	0.378	54.1	-56.8 -1.3	56.9	181	0.0
0.0	1.0	0.366	54.0	-61.5 8.7	62.2	172	0.0	1.0	0.387	54.2	-56.4 -2.2	56.5	182	0.0
0.0	1.0	0.383	54.1	-61.1 7.5	61.6	173	0.0	1.0	0.396	54.2	-56.0 -3.1	56.2	183	0.0
0.0	1.0	0.4	54.2	-60.6 6.4	61.0	174	0.0	1.0	0.405	54.3	-55.7 -3.9	55.9	184	0.0
0.0	1.0	0.416	54.3	-60.1 5.3	60.5	175	0.0	1.0	0.415	54.3	-55.3 -4.8	55.6	185	0.0
0.0	1.0	0.433	54.4	-59.6 4.2	59.9	176	0.0	1.0	0.424	54.4	-54.9 -5.6	55.3	185	0.0
0.0	1.0	0.45	54.5	-59.1 3.1	59.3	177	0.0	1.0	0.433	54.4	-54.4 -6.5	54.9	186	0.0
0.0	1.0	0.466	54.6	-58.6 2.1	58.7	178	0.0	1.0	0.442	54.5	-54.0 -7.3	54.6	187	0.0
0.0	1.0	0.483	54.7	-58.1 1.0	58.2	179	0.0	1.0	0.451	54.6	-53.6 -8.1	54.3	188	0.0
0.0	1.0	0.5	54.8	-57.5 0.0	57.6	180	0.0	1.0	0.46	54.6	-53.1 -8.9	54.0	189	0.0
0.0	1.0	0.516	54.9	-56.9 -0.9	57.0	181	0.0	1.0	0.469	54.7	-52.6 -9.7	53.6	190	0.0
0.0	1.0	0.533	55.1	-56.5 -1.9	56.7	182	0.0	1.0	0.479	54.7	-52.2 -10.5	53.3	191	0.0
0.0	1.0	0.55	55.2	-56.1 -2.8	56.3	183	0.0	1.0	0.488	54.8	-51.7 -11.2	53.0	192	0.0
0.0	1.0	0.566	55.3	-55.7 -3.8	55.9	184	0.0	1.0	0.497	54.8	-51.2 -12.0	52.7	193	0.0
0.0	1.0	0.583	55.5	-55.3 -4.7	55.6	185	0.0	1.0	0.506	54.9	-50.8 -12.7	52.5	194	0.0
0.0	1.0	0.6	55.6	-54.8 -5.7	55.2	186	0.0	1.0	0.515	55.0	-50.4 -13.5	52.3	195	0.0
0.0	1.0	0.616	55.7	-54.4 -6.6	54.9	187	0.0	1.0	0.524	55.0	-50.0 -14.3	52.1	195	0.0
0.0	1.0	0.633	55.8	-53.9 -7.5	54.5	188	0.0	1.0	0.534	55.1	-49.6 -15.0	51.9	196	0.0
0.0	1.0	0.65	56.0	-53.4 -8.4	54.2	189	0.0	1.0	0.543	55.2	-49.2 -15.7	51.7	197	0.0
0.0	1.0	0.666	56.1	-52.9 -9.2	53.8	190	0.0	1.0	0.552	55.3	-48.7 -16.5	51.6	198	0.0
0.0	1.0	0.683	56.2	-52.4 -10.1	53.5	191	0.0	1.0	0.561	55.3	-48.3 -17.2	51.4	199	0.0
0.0	1.0	0.7	56.3	-51.9 -10.9	53.1	192	0.0	1.0	0.571	55.4	-47.9 -17.9	51.2	200	0.0
0.0	1.0	0.716	56.5	-51.3 -11.8	52.8	193	0.0	1.0	0.58	55.5	-47.4 -18.6	51.0	201	0.0
0.0	1.0	0.733	56.6	-50.8 -12.6	52.5	194	0.0	1.0	0.589	55.6	-46.9 -19.3	50.9	202	0.0
0.0	1.0	0.75	56.7	-50.4 -13.4	52.3	195	0.0	1.0	0.598	55.6	-46.5 -19.9	50.7	203	0.0
0.0	1.0	0.766	56.8	-49.8 -14.3	52.1	196	0.0	1.0	0.607	55.7	-46.0 -20.6	50.5	204	0.0
0.0	1.0	0.783	56.9	-49.5 -15.1	51.9	197	0.0	1.0	0.617	55.8	-45.5 -21.3	50.3	205	0.0
0.0	1.0	0.8	57.0	-49.1 -15.9	51.7	198	0.0	1.0	0.626	55.8	-45.0 -21.9	50.2	206	0.0
0.0	1.0	0.816	57.1	-48.6 -16.7	51.5	199	0.0	1.0	0.635	55.9	-44.6 -22.6	50.2	206	0.0
0.0	1.0	0.833	57.3	-48.1 -17.5	51.3	200	0.0	1.0	0.644	56.0	-44.2 -23.3	50.1	207	0.0
0.0	1.0	0.85	57.4	-47.6 -18.2	51.1	201	0.0	1.0	0.653	56.0	-43.8 -24.0	50.1	208	0.0
0.0	1.0	0.866	57.5	-47.1 -19.0	50.9	202	0.0	1.0	0.662	56.1	-43.4 -24.7	50.1	209	0.0
0.0	1.0	0.883	57.6	-46.6 -19.7	50.8	203	0.0	1.0	0.672	56.2	-43.0 -25.4	50.0	210	0.0
0.0	1.0	0.9	57.7	-46.1 -20.5	50.6	204	0.0	1.0	0.681	56.3	-42.5 -26.0	50.0	211	0.0
0.0	1.0	0.916	57.8	-45.6 -21.2	50.4	205	0.0	1.0	0.69	56.3	-42.1 -26.7	50.0	212	0.0
0.0	1.0	0.933	57.9	-45.0 -21.9	50.2	206	0.0	1.0	0.699	56.4	-41.6 -27.3	49.9	213	0.0
0.0	1.0	0.95	58.0	-44.6 -22.7	50.2	207	0.0	1.0	0.708	56.5	-41.1 -28.0	49.9	214	0.0
0.0	1.0	0.966	58.1	-44.2 -23.4	50.1	208	0.0	1.0	0.717	56.5	-40.7 -28.6	49.9	215	0.0
0.0	1.0	0.983	58.2	-43.7 -24.2	50.1	209	0.0	1.0	0.726	56.6	-40.2 -29.2	49.8	216	0.0

TUB-test chart RE15; hue code: H* _e =B00R _e 48 step hue circles; <i>rgb-LabCh</i> *tables										input: <i>rgb/cmyk</i> -> <i>rgbde</i> output: 3D-linearization to <i>cmyk</i> *de																																																																																																																																																																																																																																																																																																																																																																																																																																																			
<i>h_{ab,s}</i>	<i>h_{ab,d}</i>	<i>h_{ab,e}</i>	<i>rgb</i> *_d361M	<i>LAB</i> *_d361M	<i>LAB</i> *_d361M	<i>LAB</i> *_d361M	<i>LAB</i> *_d361M	<i>LAB</i> *_d361M	<i>LAB</i> *_d361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> 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*_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i> *_ds361M	<i>rgb</i>

LAB* _{ds361MI} LAB* _{ds}																		
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LAB*a0, 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 RE15; hue code: H_e=B00R_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 15/38

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 RYGBCM; $h_{ab,de} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;									
Six hue angles of the device colours RYGBCM; $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{361MI}	$LAB^*_{361MI} (x=LabCh)$	rgb^*_{361MI}	$LAB^*_{361MI} (x=LabCh)$	rgb^*_{361MI}	LAB^*_{361MI}	rgb^*_{361MI}
333	300	300	0.5	0.0	1.0	26.7	26.5	-45.8	53.0
333	300	300	0.5	0.0	1.0	26.7	26.5	-45.8	53.0
334	301	301	0.516	0.0	1.0	27.1	27.3	-45.3	53.0
334	301	301	0.516	0.0	1.0	27.1	27.3	-45.3	53.0
335	302	302	0.533	0.0	1.0	27.5	28.1	-44.9	53.0
335	302	302	0.533	0.0	1.0	27.5	28.1	-44.9	53.0
336	303	303	0.55	0.0	1.0	27.9	28.9	-44.4	53.1
336	303	303	0.55	0.0	1.0	27.9	28.9	-44.4	53.1
336	304	304	0.566	0.0	1.0	28.3	29.7	-43.9	53.1
336	304	304	0.566	0.0	1.0	28.3	29.7	-43.9	53.1
337	305	305	0.583	0.0	1.0	28.7	30.5	-43.4	53.1
337	305	305	0.583	0.0	1.0	28.7	30.5	-43.4	53.1
338	306	306	0.6	0.0	1.0	29.0	31.2	-42.9	53.1
338	306	306	0.6	0.0	1.0	29.0	31.2	-42.9	53.1
339	307	307	0.616	0.0	1.0	29.4	32.0	-42.4	53.2
339	307	307	0.616	0.0	1.0	29.4	32.0	-42.4	53.2
340	308	308	0.633	0.0	1.0	29.8	32.8	-41.8	53.2
340	308	308	0.633	0.0	1.0	29.8	32.8	-41.8	53.2
341	309	309	0.65	0.0	1.0	30.2	33.5	-41.3	53.3
341	309	309	0.65	0.0	1.0	30.2	33.5	-41.3	53.3
342	310	309	0.666	0.0	1.0	30.6	34.3	-40.7	53.3
342	310	309	0.666	0.0	1.0	30.6	34.3	-40.7	53.3
343	311	310	0.683	0.0	1.0	30.9	35.0	-40.2	53.3
343	311	310	0.683	0.0	1.0	30.9	35.0	-40.2	53.3
344	312	311	0.7	0.0	1.0	31.3	35.7	-39.6	53.4
344	312	311	0.7	0.0	1.0	31.3	35.7	-39.6	53.4
345	313	312	0.716	0.0	1.0	31.6	36.5	-39.0	53.5
345	313	312	0.716	0.0	1.0	31.6	36.5	-39.0	53.5
346	314	313	0.733	0.0	1.0	31.8	37.3	-38.5	53.7
346	314	313	0.733	0.0	1.0	31.8	37.3	-38.5	53.7
347	315	314	0.75	0.0	1.0	31.9	38.2	-38.1	54.0
347	315	314	0.75	0.0	1.0	31.9	38.2	-38.1	54.0
347	316	315	0.766	0.0	1.0	32.1	39.0	-37.6	54.2
347	316	315	0.766	0.0	1.0	32.1	39.0	-37.6	54.2
348	317	316	0.783	0.0	1.0	32.3	39.8	-37.1	54.5
348	317	316	0.783	0.0	1.0	32.3	39.8	-37.1	54.5
348	318	317	0.8	0.0	1.0	32.4	40.7	-36.5	54.7
348	318	317	0.8	0.0	1.0	32.4	40.7	-36.5	54.7
348	319	318	0.816	0.0	1.0	32.6	41.5	-36.0	55.0
348	319	318	0.816	0.0	1.0	32.6	41.5	-36.0	55.0
349	320	319	0.833	0.0	1.0	32.7	42.3	-35.4	55.2
349	320	319	0.833	0.0	1.0	32.7	42.3	-35.4	55.2
349	321	320	0.85	0.0	1.0	32.9	43.1	-34.8	55.5
349	321	320	0.85	0.0	1.0	32.9	43.1	-34.8	55.5
350	322	321	0.866	0.0	1.0	33.1	43.9	-34.2	55.8
350	322	321	0.866	0.0	1.0	33.1	43.9	-34.2	55.8
350	323	322	0.883	0.0	1.0	33.2	44.7	-33.6	56.0
350	323	322	0.883	0.0	1.0	33.2	44.7	-33.6	56.0
350	324	323	0.9	0.0	1.0	33.4	45.5	-33.0	56.3
350	324	323	0.9	0.0	1.0	33.4	45.5	-33.0	56.3
351	325	324	0.916	0.0	1.0	33.5	46.3	-32.3	56.5
351	325	324	0.916	0.0	1.0	33.5	46.3	-32.3	56.5
351	326	325	0.933	0.0	1.0	33.7	47.1	-31.6	56.8
351	326	325	0.933	0.0	1.0	33.7	47.1	-31.6	56.8
352	327	326	0.95	0.0	1.0	34.0	47.9	-31.0	57.1
352	327	326	0.95	0.0	1.0	34.0	47.9	-31.0	57.1
352	328	327	0.966	0.0	1.0	34.5	48.7	-30.4	57.5
352	328	327	0.966	0.0	1.0	34.5	48.7	-30.4	57.5
352	329	328	0.983	0.0	1.0	35.1	49.6	-29.7	57.9
352	329	328	0.983	0.0	1.0	35.1	49.6	-29.7	57.9
353	330	329	1.0	0.0	1.0	35.7	50.5	-29.1	58.3
353	330	329	1.0	0.0	1.0	35.7	50.5	-29.1	58.3
353	331	330	1.0	0.0	0.983	36.2	51.4	-28.4	58.7
353	331	330	1.0	0.0	0.983	36.2	51.4	-28.4	58.7
354	332	331	1.0	0.0	0.966	36.8	52.2	-27.7	59.1
354	332	331	1.0	0.0	0.966	36.8	52.2	-27.7	59.1
354	333	332	1.0	0.0	0.95	37.4	53.1	-26.9	59.6
354	333	332	1.0	0.0	0.95	37.4	53.1	-26.9	59.6
355	334	333	1.0	0.0	0.933	37.9	53.9	-26.2	60.0
355	334	333	1.0	0.0	0.933	37.9	53.9	-26.2	60.0
355	335	334	1.0	0.0	0.916	38.5	54.8	-25.5	60.5
355	335	334	1.0	0.0	0.916	38.5	54.8	-25.5	60.5
355	336	335	1.0	0.0	0.9	39.0	55.7	-24.7	61.0
355	336	335	1.0	0.0	0.9	39.0	55.7	-24.7	61.0
356	337	336	1.0	0.0	0.883	40.1	56.6	-23.9	61.5
356	337	336	1.0	0.0	0.883	40.1	56.6	-23.9	61.5
356	338	337	1.0	0.0	0.866	40.7	57.5	-23.1	62.0
356	338	337	1.0	0.0	0.866	40.7	57.5	-23.1	62.0
357	339	338	1.0	0.0	0.85	40.7	58.3	-22.3	62.5
357	339	338	1.0	0.0	0.85	40.7	58.3	-22.3	62.5
357	340	339	1.0	0.0	0.833	41.1	59.2	-21.5	63.0
357	340	339	1.0	0.0	0.833	41.1	59.2	-21.5	63.0
358	341	340	1.0	0.0	0.816	41.4	60.2	-20.6	63.7
358	341	340	1.0	0.0	0.816	41.4	60.2	-20.6	63.7
358	342	341	1.0	0.0	0.8	41.7	61.1	-19.8	64.3
358	342	341	1.0	0.0	0.8	41.7	61.1	-19.8	64.3
359	343	342	1.0	0.0	0.783	41.9	62.1	-18.9	64.9
359	343	342	1.0	0.0	0.783	41.9	62.1	-18.9	64.9
359	344	343	1.0	0.0	0.766	42.2	63.0	-18.0	65.6
359	344	343	1.0	0.0	0.766	42.2	63.0	-18.0	65.6
360	345	344	1.0	0.0	0.75	42.5	64.0	-17.0	66.2
360	345	344	1.0	0.0	0.75	42.5	64.0	-17.0	66.2

1-1131530-L0 RE150-73 LAB* h_{ab} , YN=0%, XY Zmw=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 RE15; hue code: H_e=B00R_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 16/38

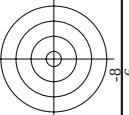


TUB material: code=rha4ta
nyn6* (CMYK)

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

2E150-7N Page 19/33-E

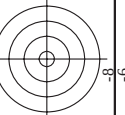
Mean color difference of this page: 0.0 0.0 0.0 delta



TUB material: code=rha4ta
nyn6* (CMYK)

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

[illegible]

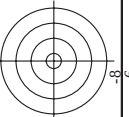


TUB material: code=rha4ta
nyn6* (CMYK)

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

[illegible]

1-1132030-F0



TUB material: code=rha4ta
nyn6* (CMYK)

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

1-1122220-E0

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

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

TUB-test chart RE15; hue code: $H^*_e = B00R_e$ 



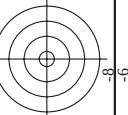
TUB material: code=rha4ta
nyn6* (CMYK)

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

colors and differences, ΔE^*

	Mean color difference of this page:	delta
4.0	0.007	70.0
4.5	0.010	75.0
5.0	0.013	80.0
5.5	0.016	85.0
6.0	0.019	90.0
6.5	0.022	95.0
7.0	0.025	100.0
7.5	0.028	105.0
8.0	0.031	110.0
8.5	0.034	115.0
9.0	0.037	120.0
9.5	0.040	125.0
10.0	0.043	130.0
10.5	0.046	135.0
11.0	0.049	140.0
11.5	0.052	145.0
12.0	0.055	150.0
12.5	0.058	155.0
13.0	0.061	160.0
13.5	0.064	165.0
14.0	0.067	170.0
14.5	0.070	175.0
15.0	0.073	180.0
15.5	0.076	185.0
16.0	0.079	190.0
16.5	0.082	195.0
17.0	0.085	200.0
17.5	0.088	205.0
18.0	0.091	210.0
18.5	0.094	215.0
19.0	0.097	220.0
19.5	0.100	225.0
20.0	0.103	230.0
20.5	0.106	235.0
21.0	0.109	240.0
21.5	0.112	245.0
22.0	0.115	250.0
22.5	0.118	255.0
23.0	0.121	260.0
23.5	0.124	265.0
24.0	0.127	270.0
24.5	0.130	275.0
25.0	0.133	280.0
25.5	0.136	285.0
26.0	0.139	290.0
26.5	0.142	295.0
27.0	0.145	300.0
27.5	0.148	305.0
28.0	0.151	310.0
28.5	0.154	315.0
29.0	0.157	320.0
29.5	0.160	325.0
30.0	0.163	330.0
30.5	0.166	335.0
31.0	0.169	340.0
31.5	0.172	345.0
32.0	0.175	350.0
32.5	0.178	355.0
33.0	0.181	360.0
33.5	0.184	365.0
34.0	0.187	370.0
34.5	0.190	375.0
35.0	0.193	380.0
35.5	0.196	385.0
36.0	0.199	390.0
36.5	0.202	395.0
37.0	0.205	400.0
37.5	0.208	405.0
38.0	0.211	410.0
38.5	0.214	415.0
39.0	0.217	420.0
39.5	0.220	425.0
40.0	0.223	430.0
40.5	0.226	435.0
41.0	0.229	440.0
41.5	0.232	445.0
42.0	0.235	450.0
42.5	0.238	455.0
43.0	0.241	460.0
43.5	0.244	465.0
44.0	0.247	470.0
44.5	0.250	475.0
45.0	0.253	480.0
45.5	0.256	485.0
46.0	0.259	490.0
46.5	0.262	495.0
47.0	0.265	500.0
47.5	0.268	505.0
48.0	0.271	510.0
48.5	0.274	515.0
49.0	0.277	520.0
49.5	0.280	525.0
50.0	0.283	530.0
50.5	0.286	535.0
51.0	0.289	540.0
51.5	0.292	545.0
52.0	0.295	550.0
52.5	0.298	555.0
53.0	0.301	560.0
53.5	0.304	565.0
54.0	0.307	570.0
54.5	0.310	575.0
55.0	0.313	580.0
55.5	0.316	585.0
56.0		

	Mean color difference of this page:	delta
4.0	0.007	70.0
4.5	0.010	75.0
5.0	0.013	80.0
5.5	0.016	85.0
6.0	0.019	90.0
6.5	0.022	95.0
7.0	0.025	100.0
7.5	0.028	105.0
8.0	0.031	110.0
8.5	0.034	115.0
9.0	0.037	120.0
9.5	0.040	125.0
10.0	0.043	130.0
10.5	0.046	135.0
11.0	0.049	140.0
11.5	0.052	145.0
12.0	0.055	150.0
12.5	0.058	155.0
13.0	0.061	160.0
13.5	0.064	165.0
14.0	0.067	170.0
14.5	0.070	175.0
15.0	0.073	180.0
15.5	0.076	185.0
16.0	0.079	190.0
16.5	0.082	195.0
17.0	0.085	200.0
17.5	0.088	205.0
18.0	0.091	210.0
18.5	0.094	215.0
19.0	0.097	220.0
19.5	0.100	225.0
20.0	0.103	230.0
20.5	0.106	235.0
21.0	0.109	240.0
21.5	0.112	245.0
22.0	0.115	250.0
22.5	0.118	255.0
23.0	0.121	260.0
23.5	0.124	265.0
24.0	0.127	270.0
24.5	0.130	275.0
25.0	0.133	280.0
25.5	0.136	285.0
26.0	0.139	290.0
26.5	0.142	295.0
27.0	0.145	300.0
27.5	0.148	305.0
28.0	0.151	310.0
28.5	0.154	315.0
29.0	0.157	320.0
29.5	0.160	325.0
30.0	0.163	330.0
30.5	0.166	335.0
31.0	0.169	340.0
31.5	0.172	345.0
32.0	0.175	350.0
32.5	0.178	355.0
33.0	0.181	360.0
33.5	0.184	365.0
34.0	0.187	370.0
34.5	0.190	375.0
35.0	0.193	380.0
35.5	0.196	385.0
36.0	0.199	390.0
36.5	0.202	395.0
37.0	0.205	400.0
37.5	0.208	405.0
38.0	0.211	410.0
38.5	0.214	415.0
39.0	0.217	420.0
39.5	0.220	425.0
40.0	0.223	430.0
40.5	0.226	435.0
41.0	0.229	440.0
41.5	0.232	445.0
42.0	0.235	450.0
42.5	0.238	455.0
43.0	0.241	460.0
43.5	0.244	465.0
44.0	0.247	470.0
44.5	0.250	475.0
45.0	0.253	480.0
45.5	0.256	485.0
46.0	0.259	490.0
46.5	0.262	495.0
47.0	0.265	500.0
47.5	0.268	505.0
48.0	0.271	510.0
48.5	0.274	515.0
49.0	0.277	520.0
49.5	0.280	525.0
50.0	0.283	530.0
50.5	0.286	535.0
51.0	0.289	540.0
51.5	0.292	545.0
52.0	0.295	550.0
52.5	0.298	555.0
53.0	0.301	560.0
53.5	0.304	565.0
54.0	0.307	570.0
54.5	0.310	575.0
55.0	0.313	580.0
55.5	0.316	585.0
56.0		



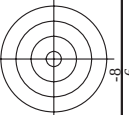
TUB material: code=rha4ta
nyn6* (CMYK)

A target diagram consisting of three concentric circles. A horizontal line and a vertical line intersect at the center, dividing the target into four quadrants. To the right of the target, there are two vertical lines. The first vertical line has a horizontal tick mark at the level of the center, with the number '8' to its left. The second vertical line has a horizontal tick mark at the level of the outermost circle, with the number '5' to its left.

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

RE150-7N, Page 25/33-F

[illegible]



TUB material: code=rha4ta
nyn6* (CMYK)

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

[illegible]

n	HVC*File	rgb*File	lcr*File	hsa*File	rgb*File	LabCH*File	cmyn*sepFile	cmyn*sepFile	hsa*File	rgb*File	LabCH*File	delta
648	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	378	1.0	47.6	25.4
649	R38Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	367	1.0	47.6	17.6
650	R26Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	357	1.0	47.6	9.8
651	R13Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	344	1.0	47.6	0.9
652	R68R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	321	1.0	47.6	0.0
653	R68R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	321	1.0	47.6	0.0
654	B61R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	301	1.0	47.6	0.0
655	B55R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	301	1.0	47.6	0.0
656	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	293	1.0	47.6	0.0
657	R11Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	378	1.0	47.6	0.0
658	R30Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	366	1.0	47.6	0.0
659	R30Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	366	1.0	47.6	0.0
660	R23Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	338	1.0	47.6	0.0
661	R23Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	338	1.0	47.6	0.0
662	B70R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	312	1.0	47.6	0.0
663	B63R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	303	1.0	47.6	0.0
664	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	293	1.0	47.6	0.0
665	R23Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	378	1.0	47.6	0.0
666	R13Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	31	1.0	47.6	0.0
667	R13Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	378	1.0	47.6	0.0
668	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	364	1.0	47.6	0.0
669	R38Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	364	1.0	47.6	0.0
670	R13Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	349	1.0	47.6	0.0
671	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	327	1.0	47.6	0.0
672	B63R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	301	1.0	47.6	0.0
673	B55R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	293	1.0	47.6	0.0
674	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	293	1.0	47.6	0.0
675	R26Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	43	1.0	47.6	0.0
676	R26Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	38	1.0	47.6	0.0
677	R15Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	32	1.0	47.6	0.0
678	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	378	1.0	47.6	0.0
679	R31Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	361	1.0	47.6	0.0
680	R11Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	342	1.0	47.6	0.0
681	B69R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	323	1.0	47.6	0.0
682	B59R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	303	1.0	47.6	0.0
683	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	293	1.0	47.6	0.0
684	R50Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	50	1.0	47.6	0.0
685	R41Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	46	1.0	47.6	0.0
686	R31Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	41	1.0	47.6	0.0
687	R18Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	34	1.0	47.6	0.0
688	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	378	1.0	47.6	0.0
689	R26Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	357	1.0	47.6	0.0
690	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	327	1.0	47.6	0.0
691	B61R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	310	1.0	47.6	0.0
692	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	293	1.0	47.6	0.0
693	R63Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	57	1.0	47.6	0.0
694	R38Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	54	1.0	47.6	0.0
695	R38Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	50	1.0	47.6	0.0
696	R38Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	50	1.0	47.6	0.0
697	R23Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	37	1.0	47.6	0.0
698	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	378	1.0	47.6	0.0
699	R18Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	315	1.0	47.6	0.0
700	B63R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	64	1.0	47.6	0.0
701	B59R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	62	1.0	47.6	0.0
702	R76Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	55	1.0	47.6	0.0
703	R31Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	51	1.0	47.6	0.0
704	B55R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	50	1.0	47.6	0.0
705	B50Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	50	1.0	47.6	0.0
706	R50Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	41	1.0	47.6	0.0
707	R31Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	378	1.0	47.6	0.0
708	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	327	1.0	47.6	0.0
709	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	293	1.0	47.6	0.0
710	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	70	1.0	47.6	0.0
711	R88Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	68	1.0	47.6	0.0
712	R88Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	66	1.0	47.6	0.0
713	R88Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	64	1.0	47.6	0.0
714	R81Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	59	1.0	47.6	0.0
715	R76Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	59	1.0	47.6	0.0
716	R88Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	58	1.0	47.6	0.0
717	R88Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	378	1.0	47.6	0.0
718	R00Y_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	293	1.0	47.6	0.0
719	B50R_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	81	1.0	47.6	0.0
720	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	81	1.0	47.6	0.0
721	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	81	1.0	47.6	0.0
722	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	81	1.0	47.6	0.0
723	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	81	1.0	47.6	0.0
724	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	81	1.0	47.6	0.0
725	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	81	1.0	47.6	0.0
726	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	81	1.0	47.6	0.0
727	Y00C_100_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	81	1.0	47.6	0.0
728	NW_100de	1.0	0.0	0.0	0.0	47.6	0.0	0.0	360	1.0	47.6	0.0

n	HIC*File	rgb-File	Lab-File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File	rgb-File	LabCh*File	rgb-File	LabCh*File	cmyn*sep-File</
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TUB material: code=rha4ta
myn6* (CMYK)

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

TUB-test chart RE15; hue code: $H_e^* = B00R_e$
colors and differences, ΔE^*

n	HC_Fcde	rgb_Fcde	icr_Fcde	hsa_Fcde	rgb_Fcde	LabCh_Fcde	cmvri*_sep_Fcde	0.007 0.0 0.024	0.179 0.0 0.084	hsa_cde	rgb*_cde	LabCH*_cde	delta		
1053	NW_086de	0.866	0.866	0.866	0.866	85.0	0.0	0.0	0.179	360	1.0	1.0	95.4	0.0	0.0
1054	NW_093de	0.933	0.933	0.933	0.933	90.2	0.0	0.0	0.084	360	1.0	1.0	95.4	0.0	0.0
1055	NW_100de	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	360	1.0	1.0	95.4	0.0	0.0
1056	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	95.4	0.0	0.0
1057	NW_006de	0.066	0.066	0.066	0.066	22.8	0.0	0.0	0.933	360	1.0	1.0	95.4	0.0	0.0
1058	NW_013de	0.133	0.133	0.133	0.133	28.0	0.0	0.0	0.871	360	1.0	1.0	95.4	0.0	0.0
1059	NW_020de	0.2	0.2	0.2	0.2	33.2	0.0	0.0	0.825	360	1.0	1.0	95.4	0.0	0.0
1060	NW_026de	0.266	0.266	0.266	0.266	38.3	0.0	0.0	0.781	360	1.0	1.0	95.4	0.0	0.0
1061	NW_033de	0.333	0.333	0.333	0.333	43.6	0.0	0.0	0.731	360	1.0	1.0	95.4	0.0	0.0
1062	NW_040de	0.4	0.4	0.4	0.4	48.8	0.0	0.0	0.695	360	1.0	1.0	95.4	0.0	0.0
1063	NW_046de	0.466	0.466	0.466	0.466	53.9	0.0	0.0	0.628	360	1.0	1.0	95.4	0.0	0.0
1064	NW_053de	0.533	0.533	0.533	0.533	59.1	0.0	0.0	0.541	360	1.0	1.0	95.4	0.0	0.0
1065	NW_060de	0.6	0.6	0.6	0.6	64.3	0.0	0.0	0.478	360	1.0	1.0	95.4	0.0	0.0
1066	NW_066de	0.666	0.666	0.666	0.666	69.5	0.0	0.0	0.405	360	1.0	1.0	95.4	0.0	0.0
1067	NW_073de	0.734	0.734	0.734	0.734	74.7	0.0	0.0	0.322	360	1.0	1.0	95.4	0.0	0.0
1068	NW_080de	0.8	0.8	0.8	0.8	79.9	0.0	0.0	0.26	360	1.0	1.0	95.4	0.0	0.0
1069	NW_086de	0.866	0.866	0.866	0.866	85.0	0.0	0.0	0.179	360	1.0	1.0	95.4	0.0	0.0
1070	NW_093de	0.933	0.933	0.933	0.933	90.2	0.0	0.0	0.084	360	1.0	1.0	95.4	0.0	0.0
1071	NW_100de	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	360	1.0	1.0	95.4	0.0	0.0
1072	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	95.4	0.0	0.0
1073	NW_006de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.933	360	1.0	1.0	95.4	0.0	0.0
1074	R00F_100_100de	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	360	1.0	1.0	95.4	0.0	0.0
1075	G00R_100_100de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4	0.0	0.0
1076	V00B_100_100de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4	0.0	0.0
1077	B00R_100_100de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4	0.0	0.0
1078	C00B_100_100de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.4	0.0	0.0
1079	B50R_100_100de	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	360	1.0	1.0	95.4	0.0	0.0
Mean color difference of this page:															
0.407 0.0 1.0 34.8 49.2 -30.0 57.7 328.6															