

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

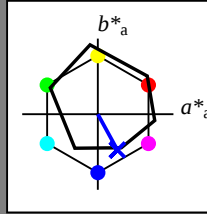
Data for any device (d) or elementary (e) colour:

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

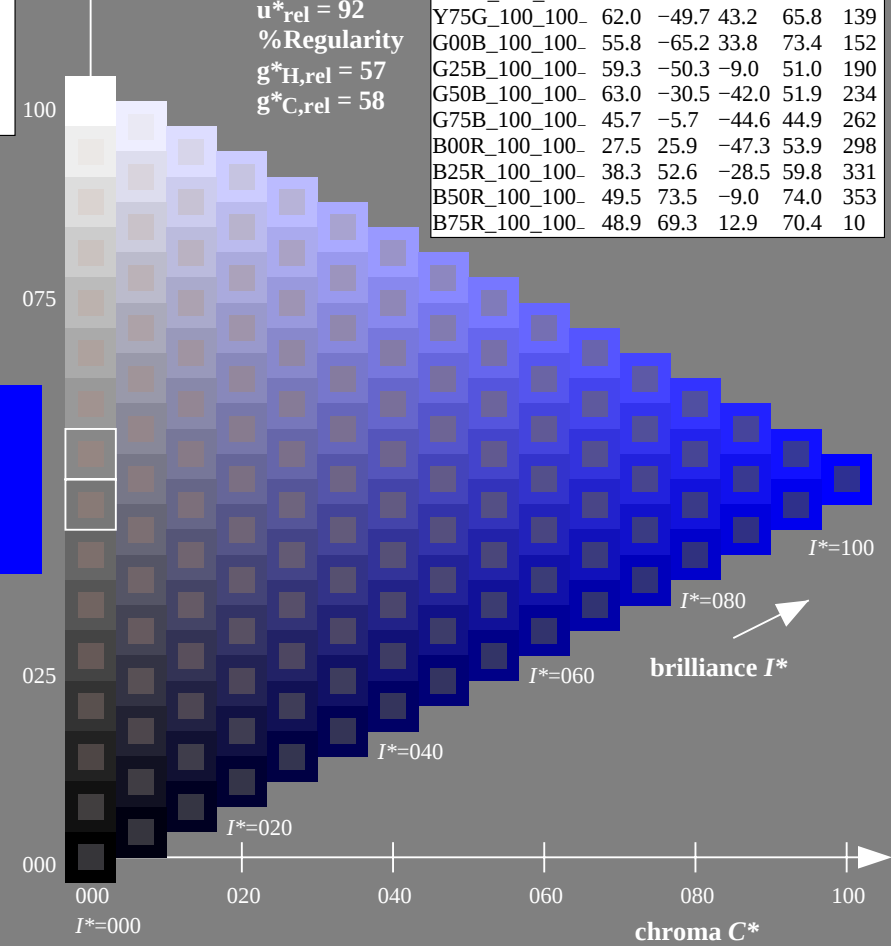
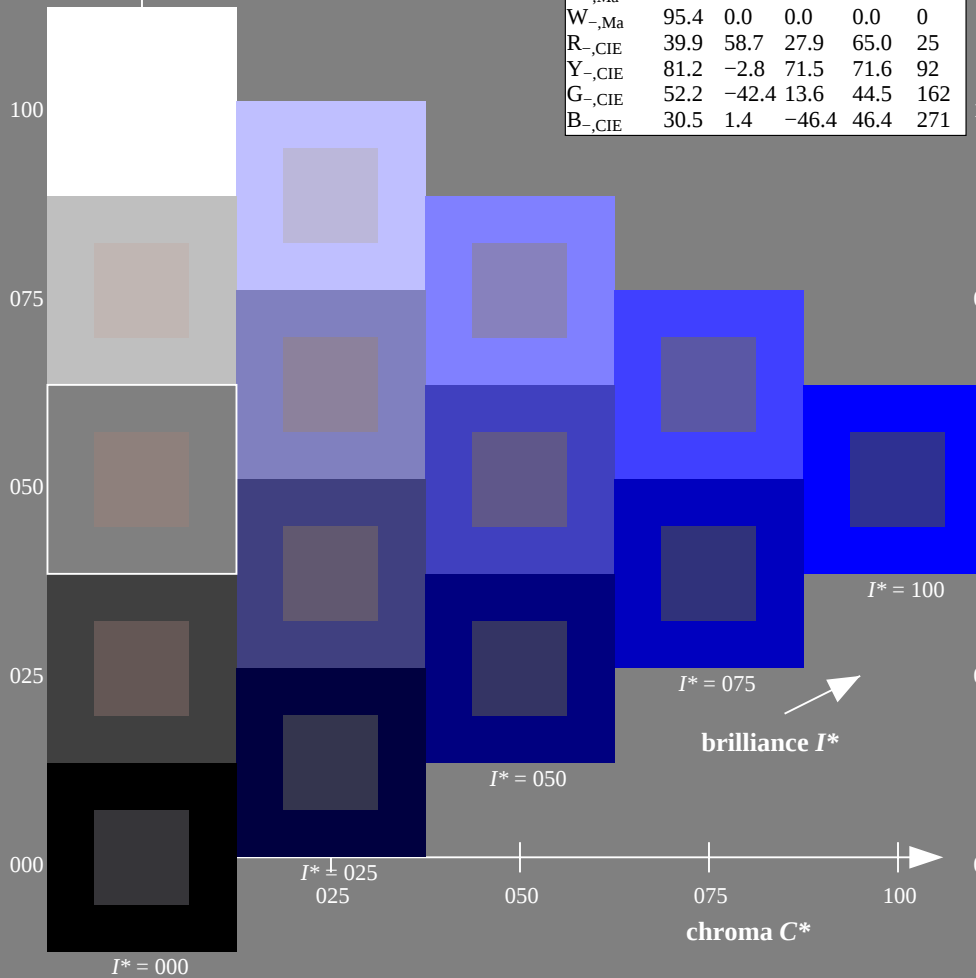
$u^*_{rel} = 92$

% 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 RE18; hue code: $H^*_ = B00R_-$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

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

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

$H^*_e = B00R_e$

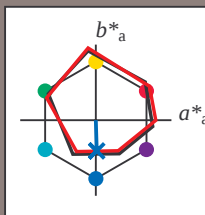
Data for any device (d) or elementary (e) colour:

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	45.6	72.2	34.4	80.0	25
Y_e, Ma	83.6	-3.6	90.4	90.4	92
G_e, Ma	50.6	-62.1	19.9	65.2	162
C_e, Ma	55.0	-36.2	-27.2	45.3	216
B_e, Ma	40.2	1.2	-40.6	40.6	271
M_e, Ma	31.1	47.7	-29.1	55.9	328
N_e, Ma	24.3	0.0	0.0	0.0	0
W_e, Ma	95.6	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):

$LabCh^*_e, Ma: 40 \ 1 \ -40 \ 40 \ 271$

$HIC^*_e, Ma: B00R_100_100_e$

$rgbic^*_e, Ma:$

0.0 0.45 1.0 1.0 1.0

triangle lightness T^*

% Gamut

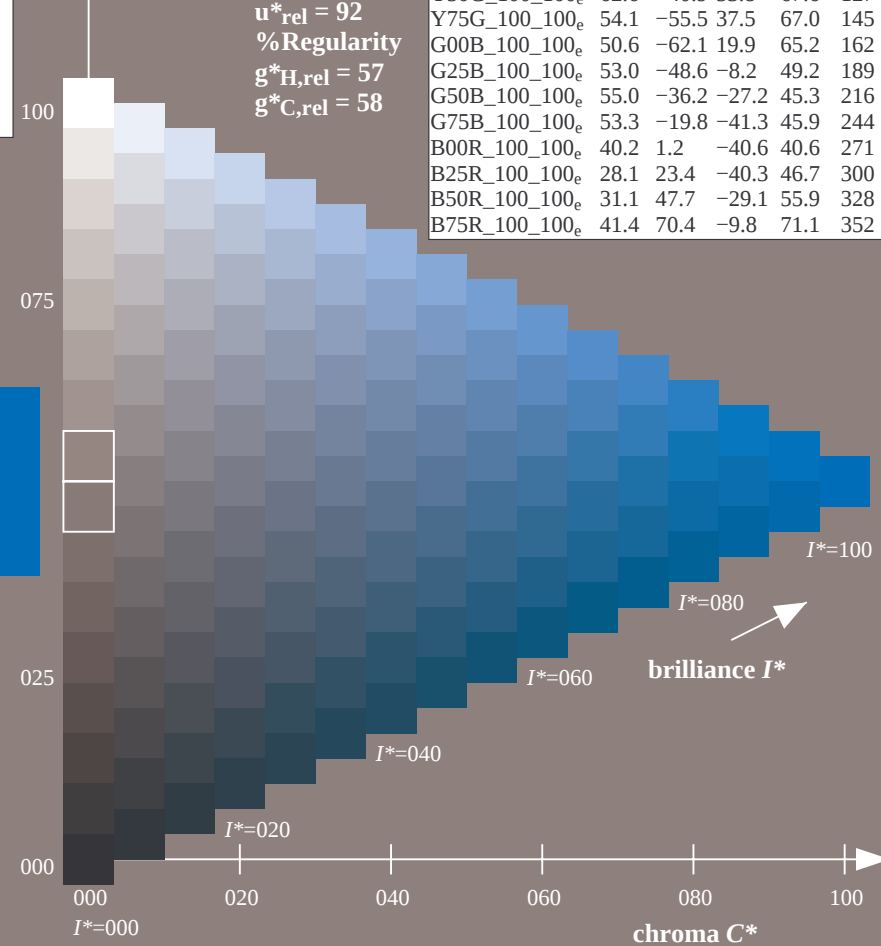
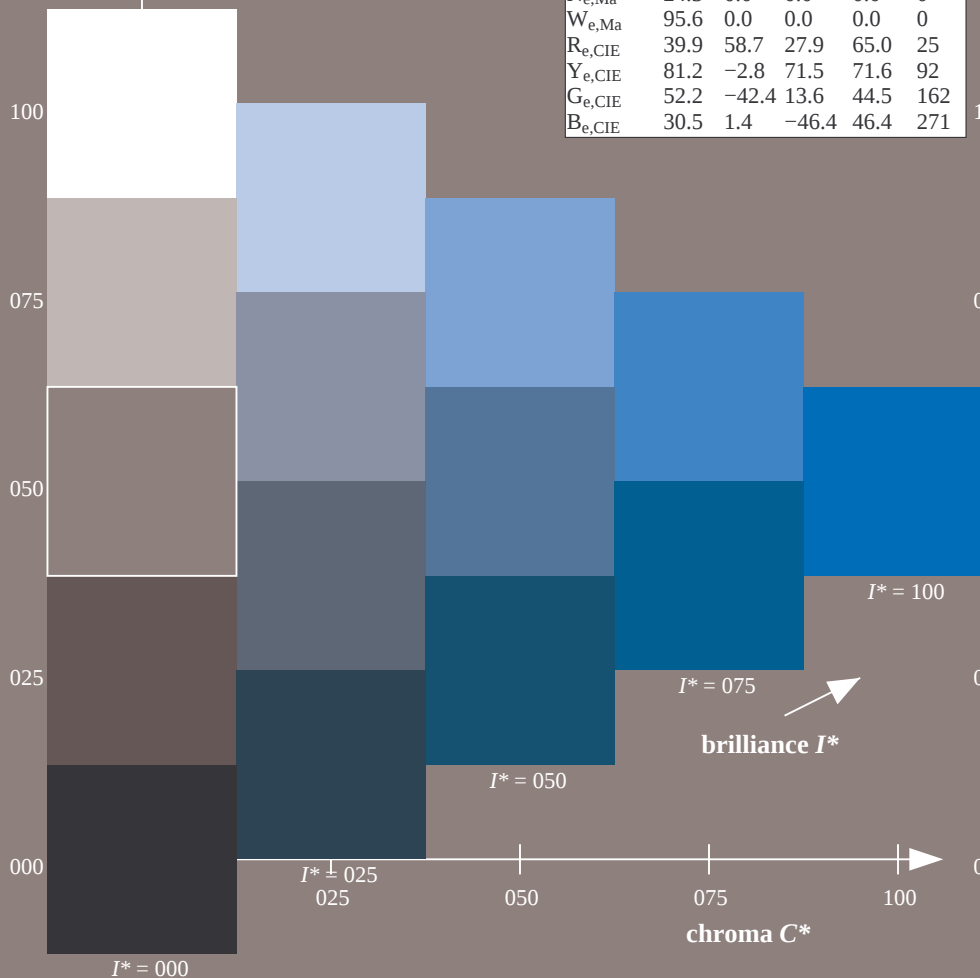
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_100_100_e$	45.6	72.2	34.4	80.0	25
$R25Y_100_100_e$	50.5	59.2	51.6	78.6	41
$R50Y_100_100_e$	60.2	38.2	63.4	74.1	58
$R75Y_100_100_e$	70.9	17.9	75.9	77.9	76
$Y00G_100_100_e$	83.6	-3.6	90.4	90.4	92
$Y25G_100_100_e$	74.5	-25.0	74.3	78.4	108
$Y50G_100_100_e$	62.6	-40.9	53.8	67.6	127
$Y75G_100_100_e$	54.1	-55.5	37.5	67.0	145
$G00B_100_100_e$	50.6	-62.1	19.9	65.2	162
$G25B_100_100_e$	53.0	-48.6	-8.2	49.2	189
$G50B_100_100_e$	55.0	-36.2	-27.2	45.3	216
$G75B_100_100_e$	53.3	-19.8	-41.3	45.9	244
$B00R_100_100_e$	40.2	1.2	-40.6	40.6	271
$B25R_100_100_e$	28.1	23.4	-40.3	46.7	300
$B50R_100_100_e$	31.1	47.7	-29.1	55.9	328
$B75R_100_100_e$	41.4	70.4	-9.8	71.1	352



TUB-test chart RE18; hue code: $H^*_e = B00R_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

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

$H^*_e = B00R_e$

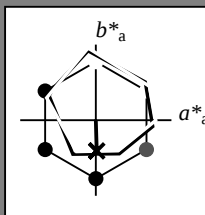
Data for any device (d) or elementary (e) colour:

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	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	45.6	72.2	34.4	80.0	25
$Y_{e,Ma}$	83.6	-3.6	90.4	90.4	92
$G_{e,Ma}$	50.6	-62.1	19.9	65.2	162
$C_{e,Ma}$	55.0	-36.2	-27.2	45.3	216
$B_{e,Ma}$	40.2	1.2	-40.6	40.6	271
$M_{e,Ma}$	31.1	47.7	-29.1	55.9	328
$N_{e,Ma}$	24.3	0.0	0.0	0.0	0
$W_{e,Ma}$	95.6	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):

$LabCh^*_{e,Ma}$: 40 1 -40 40 271

$HIC^*_{e,Ma}$: B00R_100_100_e

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

0.0 0.45 1.0 1.0 1.0

triangle lightness T^*

% Gamut

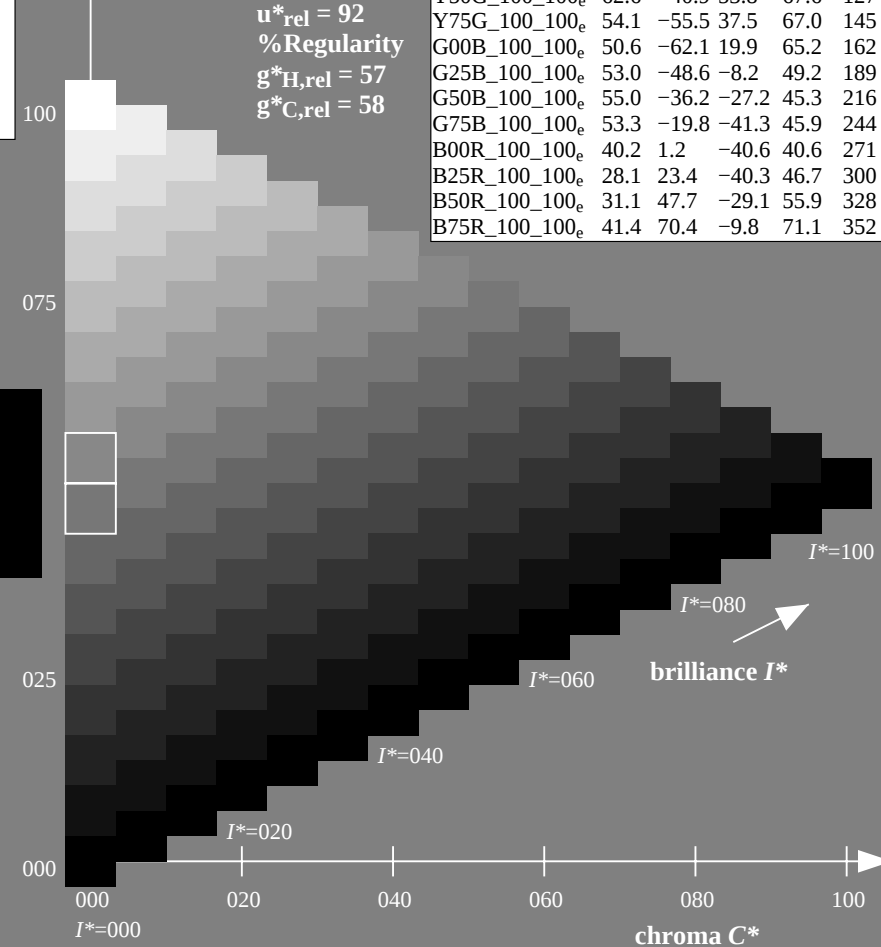
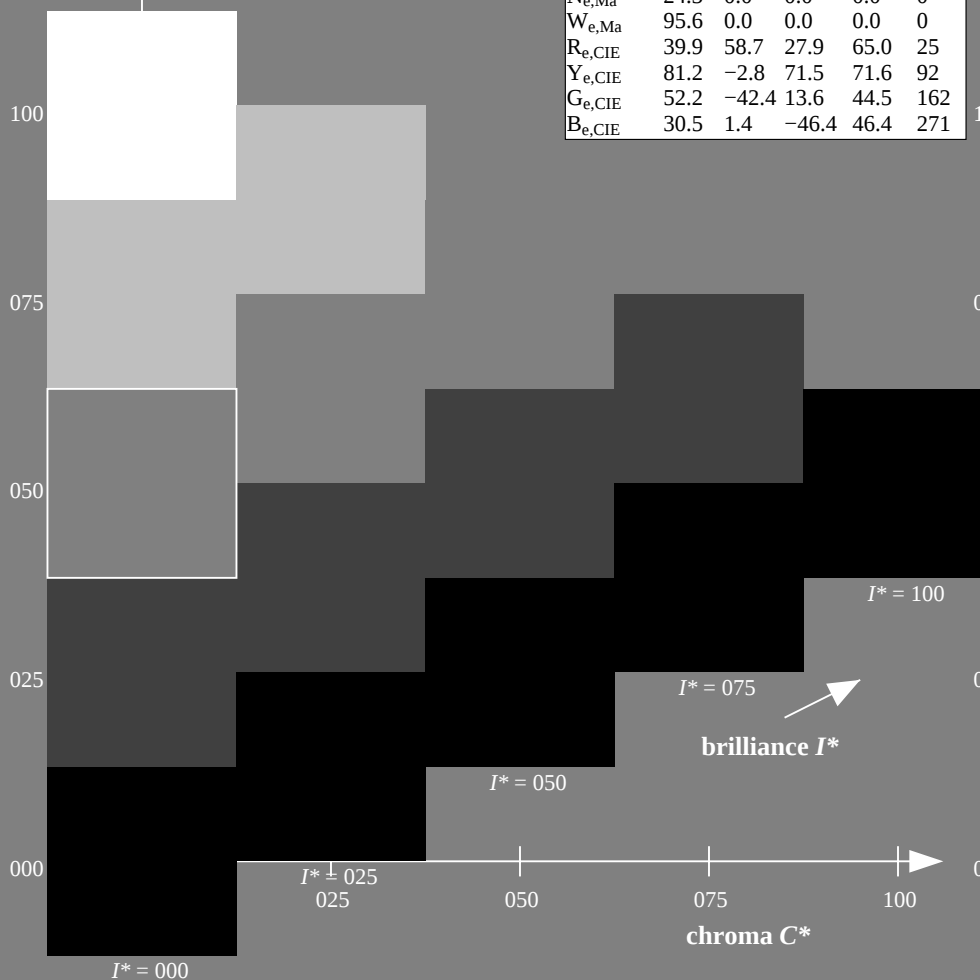
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_{100_100_e}$	45.6	72.2	34.4	80.0	25
$R25Y_{100_100_e}$	50.5	59.2	51.6	78.6	41
$R50Y_{100_100_e}$	60.2	38.2	63.4	74.1	58
$R75Y_{100_100_e}$	70.9	17.9	75.9	77.9	76
$Y00G_{100_100_e}$	83.6	-3.6	90.4	90.4	92
$Y25G_{100_100_e}$	74.5	-25.0	74.3	78.4	108
$Y50G_{100_100_e}$	62.6	-40.9	53.8	67.6	127
$Y75G_{100_100_e}$	54.1	-55.5	37.5	67.0	145
$G00B_{100_100_e}$	50.6	-62.1	19.9	65.2	162
$G25B_{100_100_e}$	53.0	-48.6	-8.2	49.2	189
$G50B_{100_100_e}$	55.0	-36.2	-27.2	45.3	216
$G75B_{100_100_e}$	53.3	-19.8	-41.3	45.9	244
$B00R_{100_100_e}$	40.2	1.2	-40.6	40.6	271
$B25R_{100_100_e}$	28.1	23.4	-40.3	46.7	300
$B50R_{100_100_e}$	31.1	47.7	-29.1	55.9	328
$B75R_{100_100_e}$	41.4	70.4	-9.8	71.1	352



1-013231-L0 RE180-71

TUB-test chart RE18; hue code: $H^*_e = B00R_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

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

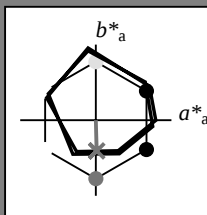
Data for any device (d) or elementary (e) colour:

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^*	$C_{ab,a}^*$	$h_{ab,a}^*$
$R_{e,Ma}$	45.6	72.2	34.4	80.0	25
$Y_{e,Ma}$	83.6	-3.6	90.4	90.4	92
$G_{e,Ma}$	50.6	-62.1	19.9	65.2	162
$C_{e,Ma}$	55.0	-36.2	-27.2	45.3	216
$B_{e,Ma}$	40.2	1.2	-40.6	40.6	271
$M_{e,Ma}$	31.1	47.7	-29.1	55.9	328
$N_{e,Ma}$	24.3	0.0	0.0	0.0	0
$W_{e,Ma}$	95.6	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):

$LabCh_e^*, Ma: 40 \ 1 \ -40 \ 40 \ 271$

$HIC_e^*, Ma: B00R_100_100_e$

$rgbic_e^*, Ma:$

0.0 0.45 1.0 1.0 1.0

triangle lightness T^*

% Gamut

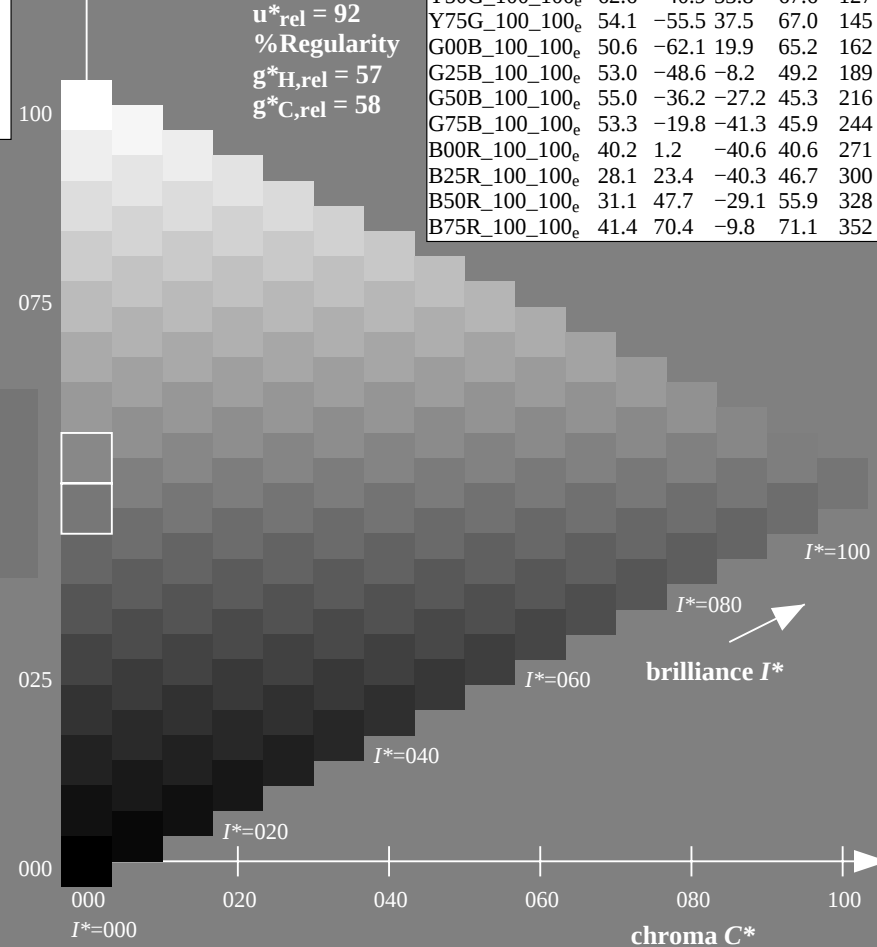
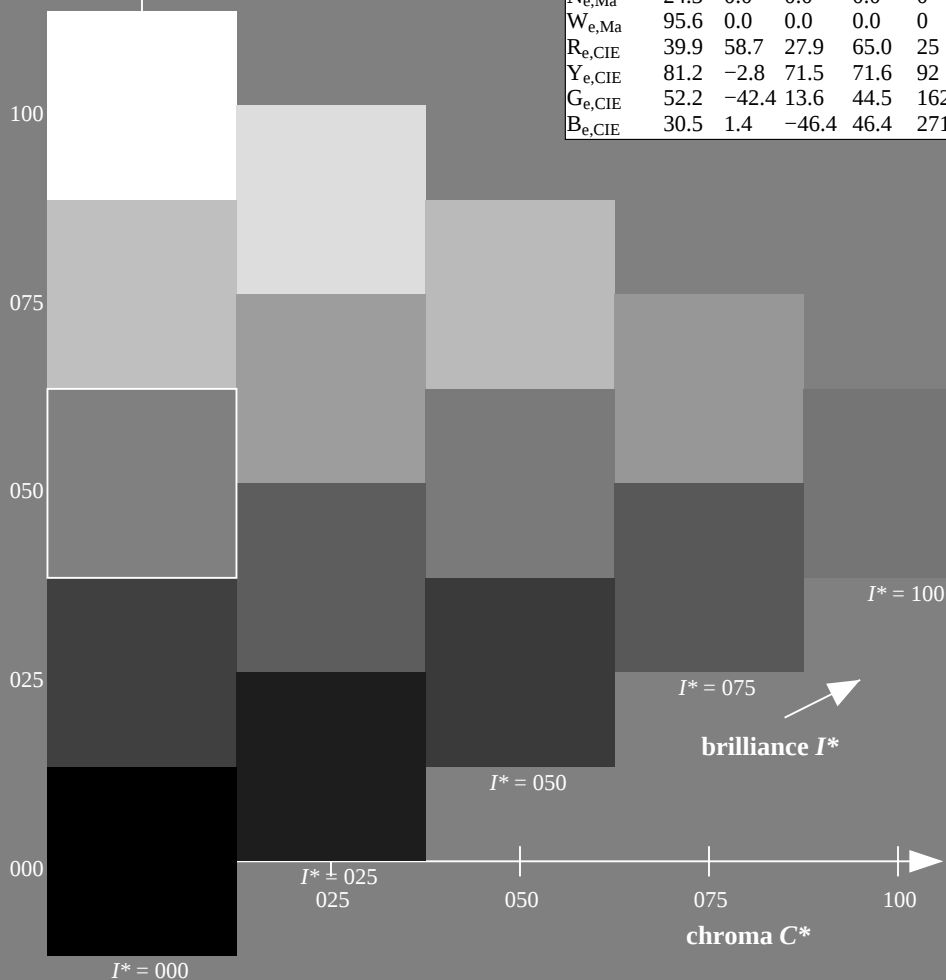
$u_{rel}^* = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
$R00Y_100_100_e$	45.6	72.2	34.4	80.0	25
$R25Y_100_100_e$	50.5	59.2	51.6	78.6	41
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TUB-test chart RE18; hue code: $H_e^* = B00R_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

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

$H^*_e = B00R_e$

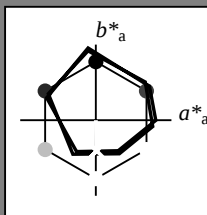
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = B00R_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
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B_e, CIE	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_e, Ma: 40 \ 1 \ -40 \ 40 \ 271$

$HIC^*_e, Ma: B00R_100_100_e$

$rgbic^*_e, Ma:$

0.0 0.45 1.0 1.0 1.0

triangle lightness T^*

% Gamut

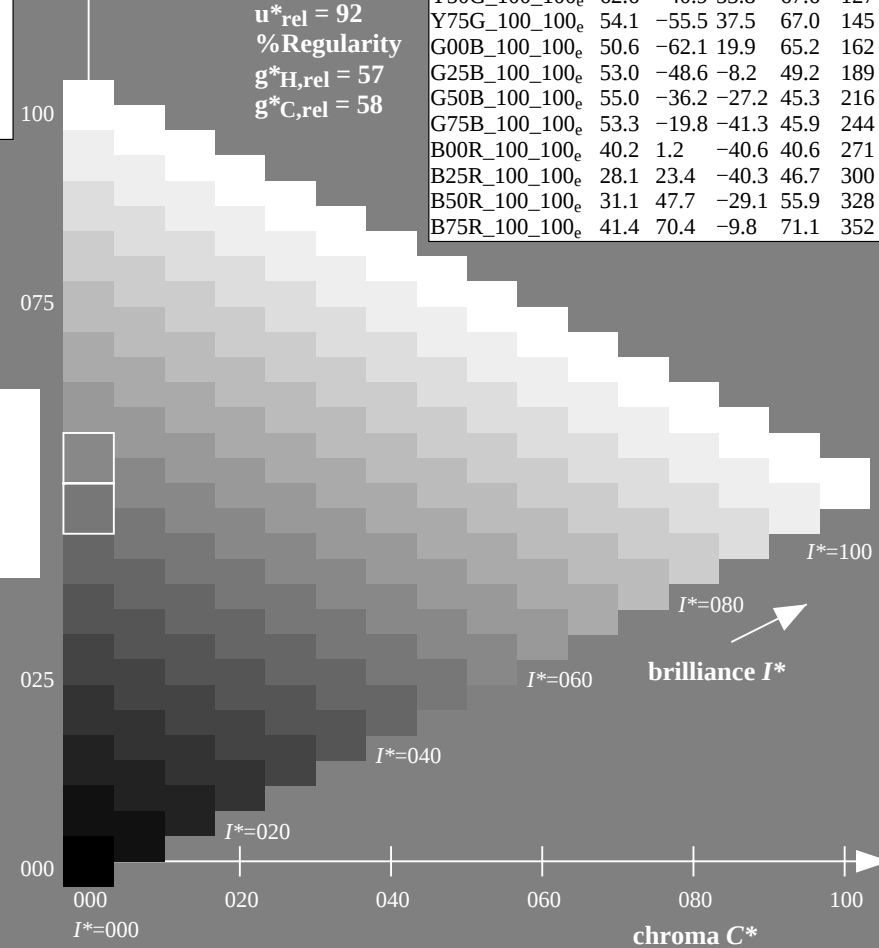
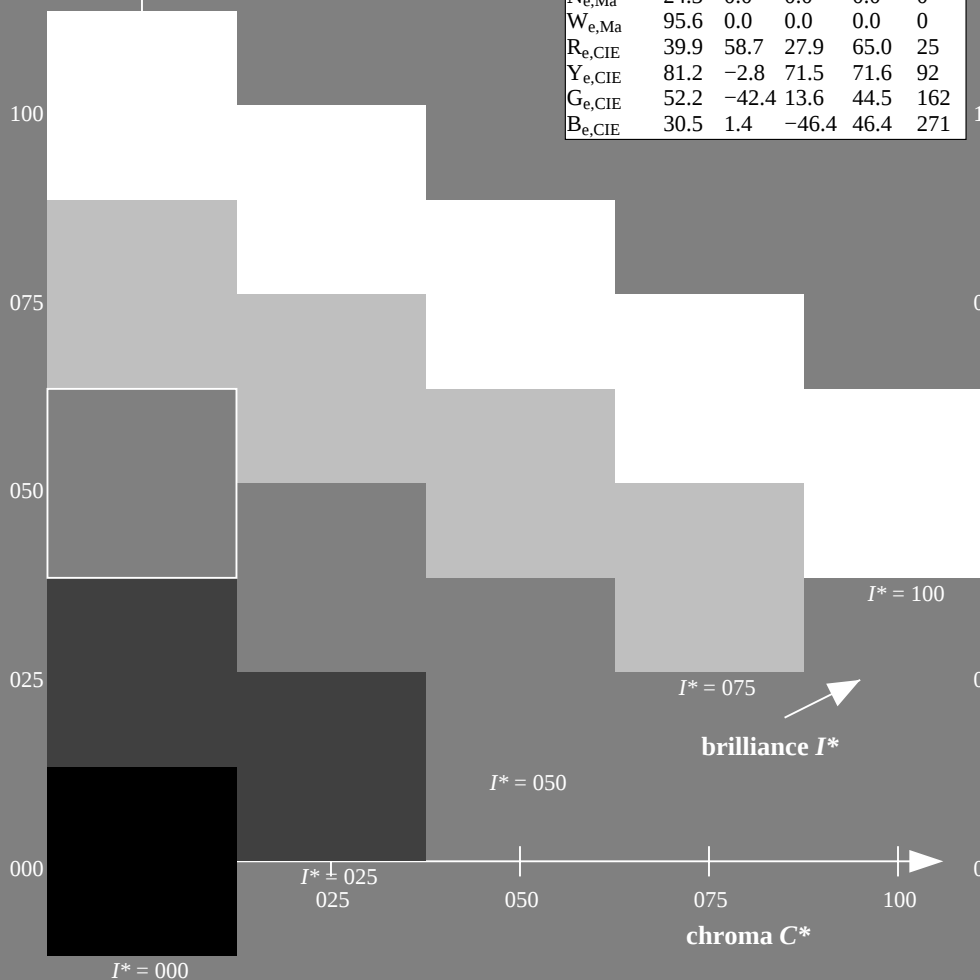
$u^*_{rel} = 92$

% Regularity

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

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ORS20a; adapted (a) CIELAB data					
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$R50Y_100_100_e$	60.2	38.2	63.4	74.1	58
$R75Y_100_100_e$	70.9	17.9	75.9	77.9	76
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$Y25G_100_100_e$	74.5	-25.0	74.3	78.4	108
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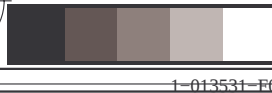
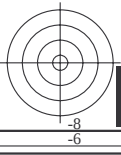
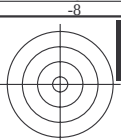
TUB-test chart RE18; hue code: $H^*_e = B00R_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

TUB registration: 20150701-RE18/RE18L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)



http://130.149.60.45/~farbmetrik/RE18/RE18L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 6/33



see similar files: <http://130.149.60.45/~farbmetrik/RE18/RE18.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

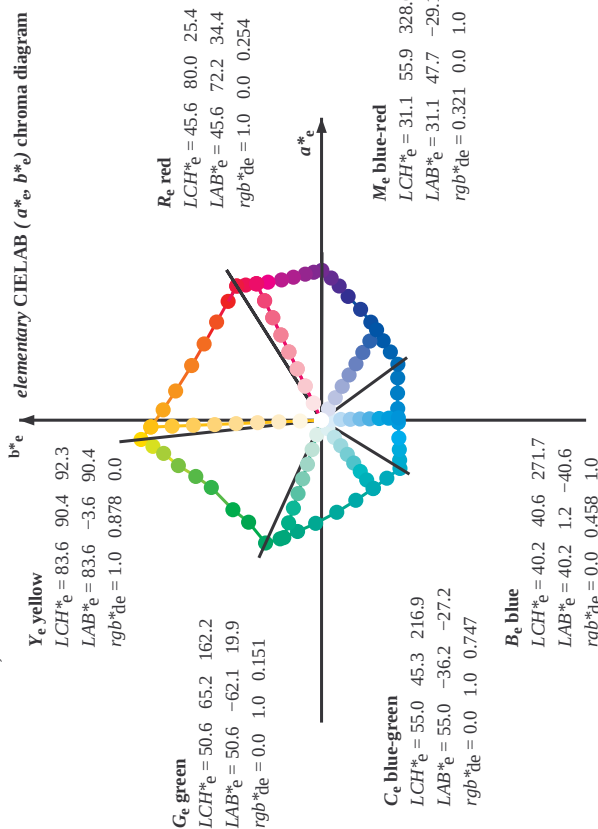
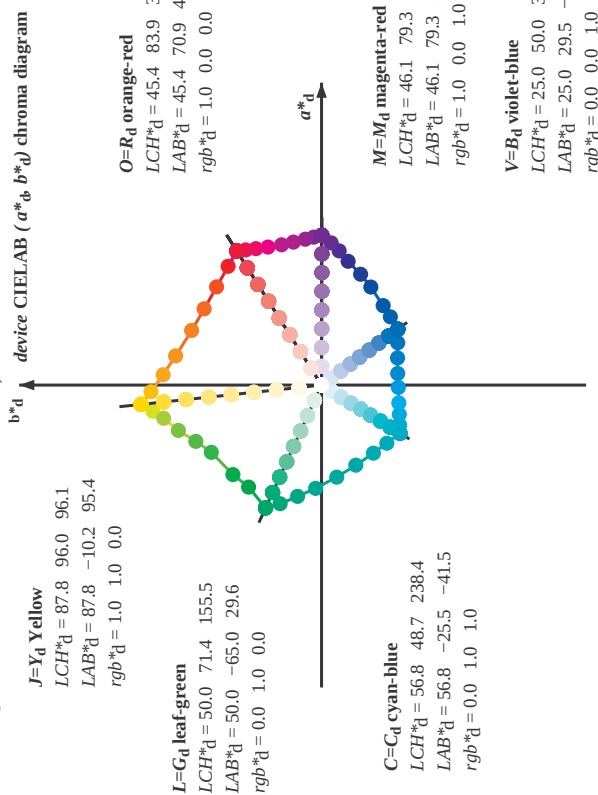
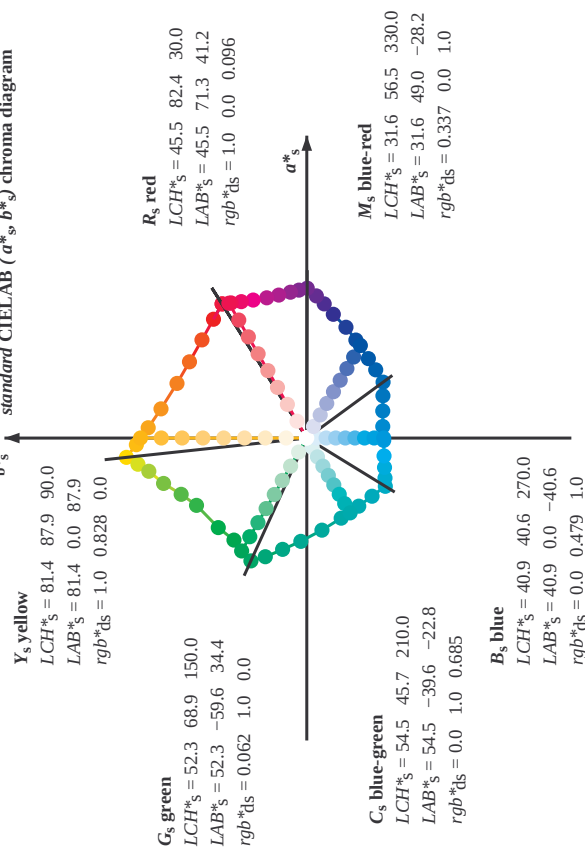
1-013531-L0 RE180-71

TUB-test chart RE18; hue code: $H^*_e=B00R_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

1-013531-E0

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

standard CIELAB (a^*_s, b^*_s) chroma diagramNotes 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:
$$h_{ab,s} = \arctan \left[\frac{r^*_d \cos(30) + g^*_d \cos(150)}{1 + \frac{r^*_d \sin(30) + g^*_d \sin(150)}{b^*_d \sin(270)}} \right] \quad (1)$$
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 s : $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:
$$h_{48ab,sij} = h_{ab,si} + j \left[\frac{h_{ab,si+1} - h_{ab,si}}{1/8} \right] \quad (i=0,1,...,5; j=0,1,...,7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j \left[\frac{h_{ab,si+1} - h_{ab,si}}{1/60} \right] \quad (i=0,1,...,5; j=0,1,...,59) \quad (3)$$
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 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:
$$h_{48ab,eij} = h_{ab,ei} + j \left[\frac{h_{ab,ei+1} - h_{ab,ei}}{1/8} \right] \quad (i=0,1,...,5; j=0,1,...,7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j \left[\frac{h_{ab,ei+1} - h_{ab,ei}}{1/60} \right] \quad (i=0,1,...,5; j=0,1,...,59) \quad (5)$$
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*_{la0}, YN=0%, XY Zmw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*_{mw}=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

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

TUB-test chart RE18; hue code: H*_e=B00R_e
48 step hue circles; $rgb-LabCh$ -tablesinput: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

TUB registration: 20150701-RE18/RE18L0NP.PDF /PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

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

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0* D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM _d : h _{ab,d} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;			Six hue angles of the device colours RYGBCM _d : h _{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYGBCM _e : h _{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6		
h _{ab,d} h _{ab,s} h _{ab,e} rg _b * dg _{64M} (x=LabCh)			LAB* d64M (x=LabCh)		
h _{ab,d}	h _{ab,s}	h _{ab,e}	rg _b * dg _{64M}	rg _b * dg _{361M}	LAB* dex361M
32.3	30.0	25.4	1.0 0.0 0.0	45.4 70.9 44.8 83.9 32.3	32.3
38.1	37.5	33.8	1.0 0.125 0.0	48.9 62.8 49.4 79.9 38.1	38.1
46.8	45.0	42.1	1.0 0.25 0.0	51.9 55.5 76.0 46.8	46.8
56.9	52.5	50.5	1.0 0.375 0.0	59.1 40.3 62.0 74.0 56.9	56.9
67.1	60.0	58.8	1.0 0.5 0.0	64.9 28.9 68.6 74.5 67.1	67.1
78.6	67.5	67.2	1.0 0.625 0.0	72.1 15.4 77.1 78.6 78.6	78.6
86.2	75.0	75.6	1.0 0.75 0.0	77.9 5.4 83.8 84.0 86.2	86.2
92.1	82.5	83.9	1.0 0.875 0.0	83.4 -3.4 90.2 90.2 92.1	92.1
96.1	90.0	92.3	1.0 1.0 0.0	87.8 -10.2 95.4 96.0 96.1	96.1
98.8	97.5	101.0	1.0 0.875 1.0	84.3 -13.9 89.2 90.3 98.8	98.8
101.8	105.0	109.7	1.0 0.0 80.7	-17.5 83.5 85.3 101.8	101.8
107.6	112.5	118.5	1.0 0.0 75.3	-24.0 75.7 79.4 107.6	107.6
114.0	120.0	127.2	1.0 0.0 70.6	-29.7 66.5 72.8 114.0	114.0
121.4	127.5	136.0	1.0 0.0 65.7	-35.6 58.3 68.3 121.4	121.4
135.3	135.0	144.7	1.0 0.0 58.4	-47.3 46.8 66.6 135.3	135.3
144.4	142.5	153.4	1.0 0.0 54.7	-53.9 38.5 66.3 144.4	144.4
155.5	150.0	162.2	1.0 0.0 50.0	-65.0 29.6 71.4 155.5	155.5
160.7	157.5	169.0	1.0 0.125 50.5	-62.8 21.9 66.5 160.7	160.7
167.7	165.0	175.9	1.0 0.25 51.2	-58.9 12.7 60.3 167.7	167.7
176.7	172.5	182.7	1.0 0.375 52.0	-54.5 3.1 54.6 176.7	176.7
189.3	180.0	189.6	1.0 0.5 52.9	-48.6 -8.0 49.3 189.3	189.3
203.2	187.5	196.4	1.0 0.625 54.0	-42.3 -18.1 46.1 203.2	203.2
217.2	195.0	203.2	1.0 0.75 55.0	-36.0 -27.4 45.3 217.2	217.2
228.3	202.5	210.1	1.0 0.875 55.8	-30.7 -34.5 46.2 228.3	228.3
238.4	210.0	216.9	1.0 1.0 56.8	-25.5 -41.5 48.7 238.4	238.4
242.9	217.5	223.8	1.0 50.1	-21.1 -41.3 46.4 242.9	242.9
249.3	225.0	230.6	1.0 0.75 54.4	-15.5 -41.1 43.9 249.3	249.3
256.9	232.5	237.5	1.0 0.625 51.0	-9.4 -40.8 41.9 256.9	256.9
268.2	240.0	244.3	1.0 0.5 41.7	-1.2 -40.6 40.6 268.2	268.2
278.6	247.5	251.2	1.0 0.375 37.3	6.1 -40.2 40.7 278.6	278.6
289.6	255.0	258.0	1.0 0.25 32.8	14.3 -40.2 42.7 289.6	289.6
299.0	262.5	264.8	1.0 0.125 28.6	22.4 -40.2 46.1 299.0	299.0
306.2	270.0	271.7	1.0 0.0 25.9	-40.4 50.0 306.2	306.2
314.7	277.5	278.8	1.0 27.9	36.0 -36.4 51.2 314.7	314.7
322.1	285.0	285.9	1.0 28.8	41.9 -32.5 53.1 322.1	322.1
333.3	292.5	293.0	1.0 32.7	51.8 -26.0 58.0 333.3	333.3
340.5	300.0	300.1	1.0 35.6	58.6 -20.7 62.1 340.5	340.5
347.9	307.5	307.2	1.0 38.1	65.4 -14.0 66.9 347.9	347.9
352.5	315.0	314.3	1.0 41.8	71.0 -9.2 71.6 352.5	352.5
356.1	322.5	321.4	1.0 44.2	75.2 -5.0 75.3 356.1	356.1
359.8	330.0	328.6	1.0 46.1	79.3 -0.2 79.3 359.8	359.8
363.0	337.5	335.7	1.0 0.0 87.5	45.9 78.2 41.1 78.3 363.0	363.0
366.4	345.0	342.8	1.0 0.0 75.5	45.9 77.1 8.6 77.6 366.4	366.4
371.1	352.5	349.9	1.0 0.0 62.5	46.0 75.6 14.8 77.0 371.1	371.1
375.9	360.0	357.0	1.0 0.0 45.9	74.2 21.1 77.1 375.9	375.9
381.2	367.5	364.1	1.0 0.0 37.5	45.8 72.9 28.3 78.3 381.2	381.2
385.6	375.0	371.2	1.0 0.0 25.5	45.6 72.1 34.6 80.0 385.6	385.6
389.3	382.5	378.3	1.0 0.0 12.5	45.5 71.4 40.1 81.9 389.3	389.3
392.3	390.0	385.4	1.0 0.0 45.4	70.9 44.8 83.9 392.3	392.3

LAB*la0, RE180-71 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*lw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

TUB-test chart RE18; hue code: H*_e=B00R_e
48 step hue circles; rg_b-LabCh*tables

input: rg_b/cmyk -> rg_be
output: transfer to cmy0e

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

<http://130.149.60.45/~farbmatrik/RE18/RE18LONP.PDF> /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 11/33

RE180-71	LAB*a0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0	input: <i>rgb/cmyk</i> -> <i>rgbe</i> output: transfer to <i>cmy0a</i>
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Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGCBM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

LAB*	a0	YN=0%	XYZnw=3.6	4.2	6.1	8.5	4	89.1	104.8	LAB* _{nw} =24.4	0.0	0.0	95.6	0.0	0.0
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Output: Offset standard print: separation cmv0*. D65 page 11/83

[illegible]

Six hue angles of the device colours RYGBM; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																							
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{d361M}	Lab^*_{d361M}	rgb^*_{s361M}	Lab^*_{s361M}	rgb^*_{e361M}	Lab^*_{e361M}	rgb^*_{d361M}	Lab^*_{d361M}	rgb^*_{s361M}	Lab^*_{s361M}	rgb^*_{e361M}	Lab^*_{e361M}	rgb^*_{d361M}	Lab^*_{d361M}	rgb^*_{s361M}	Lab^*_{s361M}	rgb^*_{e361M}	Lab^*_{e361M}			
114	120	127	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114	0.399	1.0	0.0	66.7	-34.5	59.9	69.2	120	0.5	1.0	0.0		
115	121	128	0.483	1.0	0.0	69.9	-30.5	65.4	72.2	115	0.382	1.0	0.0	66.0	-35.2	58.8	68.6	121	0.483	1.0	0.0		
116	122	129	0.466	1.0	0.0	69.3	-31.4	64.3	71.6	116	0.37	1.0	0.0	65.4	-36.1	57.9	68.3	122	0.467	1.0	0.0		
117	123	130	0.45	1.0	0.0	68.6	-32.2	63.2	71.0	117	0.361	1.0	0.0	64.9	-37.0	57.1	68.1	123	0.45	1.0	0.0		
118	124	131	0.433	1.0	0.0	68.0	-33.0	62.1	70.4	118	0.352	1.0	0.0	64.4	-37.9	56.4	68.0	124	0.433	1.0	0.0		
119	126	134	0.4	1.0	0.0	66.7	-34.5	59.9	69.2	119	0.334	1.0	0.0	63.3	-38.7	54.8	67.8	126	0.4	1.0	0.0		
120	127	135	0.383	1.0	0.0	66.0	-35.2	58.8	68.6	120	0.325	1.0	0.0	62.8	-40.6	54.0	67.6	127	0.383	1.0	0.0		
122	128	136	0.366	1.0	0.0	65.2	-36.4	57.6	68.2	122	0.316	1.0	0.0	62.3	-41.5	53.2	67.5	128	0.367	1.0	0.0		
124	129	137	0.35	1.0	0.0	64.2	-38.2	56.2	67.9	124	0.307	1.0	0.0	61.7	-42.3	52.4	67.4	129	0.35	1.0	0.0		
126	130	138	0.333	1.0	0.0	63.2	-39.8	54.7	67.7	126	0.298	1.0	0.0	61.2	-43.1	51.5	67.3	130	0.333	1.0	0.0		
127	131	140	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127	0.289	1.0	0.0	60.7	-44.0	50.7	67.2	131	0.317	1.0	0.0		
129	132	141	0.3	1.0	0.0	61.3	-43.0	51.7	67.3	129	0.28	1.0	0.0	60.2	-44.8	49.8	67.0	132	0.3	1.0	0.0		
131	133	142	0.283	1.0	0.0	60.3	-44.5	50.1	67.0	131	0.271	1.0	0.0	59.6	-45.5	48.9	66.9	133	0.283	1.0	0.0		
133	134	143	0.266	1.0	0.0	59.3	-45.9	48.5	66.8	133	0.262	1.0	0.0	59.1	-46.3	48.0	66.8	134	0.267	1.0	0.0		
135	135	144	0.25	1.0	0.0	58.4	-47.3	46.8	66.6	135	0.253	1.0	0.0	58.6	-47.0	47.1	66.7	135	0.25	1.0	0.0		
136	136	145	0.233	1.0	0.0	57.9	-48.3	45.8	66.5	136	0.241	1.0	0.0	58.1	-47.8	46.3	66.6	136	0.233	1.0	0.0		
137	137	147	0.216	1.0	0.0	57.4	-49.2	44.7	66.5	137	0.227	1.0	0.0	57.7	-48.6	45.4	66.6	137	0.217	1.0	0.0		
138	138	148	0.2	1.0	0.0	56.9	-50.1	43.6	66.5	138	0.213	1.0	0.0	57.3	-49.4	44.5	66.6	138	0.2	1.0	0.0		
140	139	149	0.183	1.0	0.0	56.4	-51.0	42.5	66.4	140	0.2	1.0	0.0	56.9	-50.1	43.6	66.5	139	0.183	1.0	0.0		
141	140	150	0.166	1.0	0.0	55.9	-51.9	41.4	66.4	141	0.186	1.0	0.0	56.5	-50.8	42.7	66.5	140	0.167	1.0	0.0		
142	141	151	0.15	1.0	0.0	55.4	-52.7	40.3	66.4	142	0.172	1.0	0.0	56.1	-51.6	41.8	66.5	141	0.15	1.0	0.0		
143	142	152	0.133	1.0	0.0	54.9	-53.5	39.1	66.3	143	0.159	1.0	0.0	55.7	-52.3	40.9	66.4	142	0.133	1.0	0.0		
145	143	154	0.116	1.0	0.0	54.4	-54.7	38.0	66.6	145	0.145	1.0	0.0	55.3	-52.9	40.0	66.4	143	0.117	1.0	0.0		
146	144	155	0.1	1.0	0.0	53.7	-56.2	37.0	67.3	146	0.131	1.0	0.0	54.9	-53.6	39.0	66.4	144	0.1	1.0	0.0		
148	145	156	0.083	1.0	0.0	53.1	-57.7	35.9	68.0	148	0.119	1.0	0.0	54.5	-54.5	38.2	66.6	145	0.083	1.0	0.0		
149	146	157	0.066	1.0	0.0	52.5	-59.2	34.7	68.7	149	0.107	1.0	0.0	54.1	-55.5	37.5	67.1	146	0.067	1.0	0.0		
151	147	158	0.049	1.0	0.0	51.9	-60.7	33.5	69.4	151	0.096	1.0	0.0	53.7	-56.5	36.8	67.5	147	0.05	1.0	0.0		
152	148	159	0.033	1.0	0.0	51.3	-62.2	32.2	70.0	152	0.085	1.0	0.0	53.2	-57.6	36.0	68.0	148	0.033	1.0	0.0		
154	149	161	0.016	1.0	0.0	50.6	-63.6	30.9	70.7	154	0.074	1.0	0.0	52.8	-58.6	35.3	68.4	149	0.017	1.0	0.0		
155	150	162	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	155	0.062	1.0	0.0	52.4	-59.6	34.5	68.9	150	0.0	1.0	0.0		
156	151	163	0.0	1.0	0.0	0.016	50.1	-64.7	28.5	70.7	156	0.051	1.0	0.0	52.0	-60.6	33.6	69.4	151	0.0	1.0	0.0	
156	152	164	0.0	1.0	0.0	0.033	50.1	-64.5	27.4	70.1	156	0.04	1.0	0.0	51.5	-61.6	32.8	69.8	152	0.0	1.0	0.0	
157	153	164	0.0	1.0	0.0	0.05	50.2	-64.2	26.4	69.4	157	0.028	1.0	0.0	51.1	-62.5	31.9	70.3	153	0.0	1.0	0.0	
158	154	165	0.0	1.0	0.0	0.066	50.3	-63.9	25.4	68.8	158	0.017	1.0	0.0	50.7	-63.5	31.0	70.7	154	0.0	1.0	0.0	
159	155	166	0.0	1.0	0.0	0.083	50.3	-63.6	24.4	68.1	159	0.006	1.0	0.0	50.3	-64.4	30.1	71.2	155	0.0	1.0	0.0	
159	156	167	0.0	1.0	0.0	0.1	50.4	-63.3	23.4	67.5	159	0.0	1.0	0.0	0.012	50.1	-64.7	28.9	70.1	156	0.0	1.0	0.0
160	157	168	0.0	1.0	0.0	0.116	50.5	-62.9	22.4	66.8	160	0.0	1.0	0.0	0.035	50.2	-64.4	27.4	70.0	157	0.0	1.0	0.0
161	158	169	0.0	1.0	0.0	0.133	50.5	-62.5	21.2	66.1	161	0.0	1.0	0.0	0.059	50.3	-64.0	25.9	69.1	158	0.0	1.0	0.0
162	159	170	0.0	1.0	0.0	0.15	50.6	-62.1	19.9	65.2	162	0.0	1.0	0.0	0.083	50.4	-63.5	24.4	68.2	159	0.0	1.0	0.0
163	160	171	0.0	1.0	0.0	0.166	50.7	-61.6	18.7	64.4	163	0.0	1.0	0.0	0.107	50.5	-63.1	23.0	67.2	160	0.0	1.0	0.0
164	161	172	0.0	1.0	0.0	0.183	50.8	-61.1	17.4	63.6	164	0.0	1.0	0.0	0.129	50.6	-62.6	21.6	66.3	161	0.0	1.0	0.0
164	162	173	0.0	1.0	0.0	0.2	50.9	-60.6	16.2	62.7	164	0.0	1.0	0.0	0.147	50.7	-62.1	20.2	65.4	162	0.0	1.0	0.0
165	163	174	0.0	1.0	0.0	0.216	51.0	-60.1	15.0	61.9	165	0.0	1.0	0.0	0.165	50.8	-61.6	18.9	64.5	163	0.0	1.0	0.0
166	164	175	0.0	1.0	0.0	0.233	51.1	-59.5	13.9	61.1	166	0.0	1.0	0.0	0.183	50.9	-61.1	17.5	63.7	164	0.0	1.0	0.0
167	165	175	0.0	1.0	0.0	0.25	51.2	-58.9	12.7	60.3	167	0.0	1.0	0.0	0.2	51.0	-60.5	16.2	62.8	165	0.0	1.0	0.0

LAB*a0, YN=0%, XY Zmw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*rw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

input: $rgb/cmyk \rightarrow rgbe$
output: transfer to $cmy0e$

Output: Offset standard print; separation cmy0*, D65, page 12/33

http://130.149.60.45/~farbmatrik/RE18/RE18LONP.PDF /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 13/33

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

RE180-71	LAB*a0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0	input: <i>rgb/cmyk</i> → <i>rgbe</i> output: transfer to <i>cmv0_a</i>
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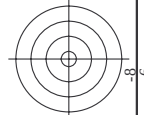
Output: Offset standard print: separation cmv0* D65 page 13/33/

1048 IAR*nw=244 00 00 956 00 00

http://130.149.60.45/~farbmatrik/RE18/RE18L0NP.PDF /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 17/33

see similar files: <http://130.149.60.45/~farbmatrik/RE18/RE18L0NP.PDF>
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 cmy0*: 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; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																						
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	LAB^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	
366	345	342	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366	0.576	0.0	1.0	37.1	62.9	-16.7	65.1	345	1.0	0.0	0.75	0.539	0.0	1.0	36.4	60.8	-18.7	63.7	342	1.0	0.0	0.75
367	346	343	1.0	0.0	0.733	45.9	77.0	9.4	77.5	367	0.593	0.0	1.0	37.5	63.8	-15.8	65.7	346	1.0	0.0	0.733	0.555	0.0	1.0	36.7	61.7	-17.9	64.3	343	1.0	0.0	0.733
367	347	344	1.0	0.0	0.716	45.9	76.8	10.3	77.5	367	0.61	0.0	1.0	37.8	64.7	-14.8	66.4	347	1.0	0.0	0.717	0.571	0.0	1.0	37.0	62.6	-17.0	64.9	344	1.0	0.0	0.717
368	348	345	1.0	0.0	0.7	45.9	76.6	11.1	77.4	368	0.627	0.0	1.0	38.2	65.6	-13.8	67.1	348	1.0	0.0	0.7	0.587	0.0	1.0	37.3	63.5	-16.1	65.5	345	1.0	0.0	0.7
368	349	346	1.0	0.0	0.683	45.9	76.4	11.9	77.3	368	0.654	0.0	1.0	39.0	66.8	-12.9	68.1	349	1.0	0.0	0.683	0.603	0.0	1.0	37.7	64.3	-15.2	66.1	346	1.0	0.0	0.683
369	350	347	1.0	0.0	0.666	45.9	76.2	12.8	77.2	369	0.681	0.0	1.0	39.8	68.0	-11.9	69.1	350	1.0	0.0	0.667	0.619	0.0	1.0	38.0	65.2	-14.3	66.7	347	1.0	0.0	0.667
370	351	348	1.0	0.0	0.65	46.0	75.9	13.6	77.2	370	0.708	0.0	1.0	40.6	69.2	-10.9	70.1	351	1.0	0.0	0.65	0.641	0.0	1.0	38.6	66.2	-13.4	67.6	348	1.0	0.0	0.65
370	352	349	1.0	0.0	0.633	46.0	75.7	14.4	77.1	370	0.735	0.0	1.0	41.4	70.4	-9.8	71.1	352	1.0	0.0	0.633	0.667	0.0	1.0	39.3	67.4	-12.4	68.5	349	1.0	0.0	0.633
371	353	350	1.0	0.0	0.616	46.0	75.5	15.2	77.1	371	0.765	0.0	1.0	42.1	71.6	-8.7	72.1	353	1.0	0.0	0.617	0.692	0.0	1.0	40.1	68.5	-11.5	69.5	350	1.0	0.0	0.617
372	354	351	1.0	0.0	0.6	45.9	75.4	16.1	77.1	372	0.8	0.0	1.0	42.8	72.7	-7.5	73.1	354	1.0	0.0	0.6	0.717	0.0	1.0	40.9	69.6	-10.5	70.4	351	1.0	0.0	0.6
372	355	352	1.0	0.0	0.583	45.9	75.2	16.9	77.1	372	0.835	0.0	1.0	43.5	73.9	-6.4	74.1	355	1.0	0.0	0.583	0.743	0.0	1.0	41.6	70.7	-9.5	71.4	352	1.0	0.0	0.583
373	356	353	1.0	0.0	0.566	45.9	75.0	17.8	77.1	373	0.87	0.0	1.0	44.2	75.0	-5.1	75.2	356	1.0	0.0	0.567	0.774	0.0	1.0	42.3	71.9	-8.4	72.4	353	1.0	0.0	0.567
374	357	354	1.0	0.0	0.55	45.9	74.8	18.6	77.1	374	0.904	0.0	1.0	44.7	76.2	-3.9	76.3	357	1.0	0.0	0.55	0.807	0.0	1.0	42.9	73.0	-7.3	73.3	354	1.0	0.0	0.55
374	358	355	1.0	0.0	0.533	45.9	74.6	19.5	77.1	374	0.938	0.0	1.0	45.2	77.3	-2.6	77.3	358	1.0	0.0	0.533	0.84	0.0	1.0	43.6	74.1	-6.2	74.3	355	1.0	0.0	0.533
375	359	356	1.0	0.0	0.516	45.9	74.4	20.3	77.1	375	0.971	0.0	1.0	45.7	78.4	-1.3	78.4	359	1.0	0.0	0.517	0.873	0.0	1.0	44.2	75.1	-5.0	75.3	356	1.0	0.0	0.517
375	360	352	1.0	0.0	0.5	45.9	74.2	21.1	77.1	375	1.0	0.0	0.994	46.1	79.3	0.0	79.3	360	1.0	0.0	0.5	0.736	0.0	1.0	41.4	70.5	-9.7	71.1	352	1.0	0.0	0.5
376	361	353	1.0	0.0	0.483	45.8	74.1	22.1	77.3	376	1.0	0.0	0.955	46.1	79.0	1.4	79.0	361	1.0	0.0	0.483	0.771	0.0	1.0	42.2	71.8	-8.5	72.3	353	1.0	0.0	0.483
377	362	354	1.0	0.0	0.466	45.8	73.9	23.1	77.4	377	1.0	0.0	0.916	46.0	78.6	2.7	78.7	362	1.0	0.0	0.467	0.81	0.0	1.0	43.0	73.1	-7.2	73.4	354	1.0	0.0	0.467
378	363	355	1.0	0.0	0.45	45.8	73.8	24.0	77.6	378	1.0	0.0	0.876	46.0	78.3	4.1	78.4	363	1.0	0.0	0.45	0.849	0.0	1.0	43.8	74.4	-5.9	74.6	355	1.0	0.0	0.45
378	364	356	1.0	0.0	0.433	45.8	73.6	25.0	77.7	378	1.0	0.0	0.839	46.0	78.0	5.5	78.2	364	1.0	0.0	0.433	0.887	0.0	1.0	44.4	75.6	-4.5	75.8	356	1.0	0.0	0.433
379	365	357	1.0	0.0	0.416	45.8	73.4	25.9	77.9	379	1.0	0.0	0.802	46.0	77.7	6.8	78.0	365	1.0	0.0	0.417	0.925	0.0	1.0	45.0	76.9	-3.1	77.0	357	1.0	0.0	0.417
380	366	358	1.0	0.0	0.4	45.8	73.2	26.9	78.0	380	1.0	0.0	0.765	46.0	77.3	8.1	77.8	366	1.0	0.0	0.4	0.963	0.0	1.0	45.6	78.1	-1.6	78.1	358	1.0	0.0	0.4
380	367	359	1.0	0.0	0.383	45.8	73.0	27.8	78.2	380	1.0	0.0	0.734	46.0	77.0	9.5	77.6	367	1.0	0.0	0.383	1.0	0.0	1.0	46.1	79.3	-0.1	79.3	359	1.0	0.0	0.383
381	368	360	1.0	0.0	0.366	45.8	72.9	28.7	78.4	381	1.0	0.0	0.708	46.0	76.7	10.8	77.5	368	1.0	0.0	0.367	1.0	0.0	0.956	46.1	79.0	1.3	79.0	360	1.0	0.0	0.367
382	369	362	1.0	0.0	0.35	45.8	72.8	29.6	78.6	382	1.0	0.0	0.681	46.0	76.4	12.1	77.4	369	1.0	0.0	0.35	1.0	0.0	0.912	46.0	78.6	2.9	78.7	362	1.0	0.0	0.35
382	370	363	1.0	0.0	0.333	45.7	72.7	30.4	78.8	382	1.0	0.0	0.655	46.0	76.1	13.4	77.2	370	1.0	0.0	0.333	1.0	0.0	0.889	46.0	78.2	4.4	78.3	363	1.0	0.0	0.333
383	371	364	1.0	0.0	0.316	45.7	72.6	31.2	79.1	383	1.0	0.0	0.628	46.0	75.7	14.7	77.1	371	1.0	0.0	0.317	1.0	0.0	0.828	46.0	77.9	5.9	78.1	364	1.0	0.0	0.317
383	372	365	1.0	0.0	0.3	45.7	72.5	32.1	79.3	383	1.0	0.0	0.602	46.0	75.4	16.0	77.1	372	1.0	0.0	0.3	1.0	0.0	0.786	46.0	77.5	7.4	77.9	365	1.0	0.0	0.3
384	373	366	1.0	0.0	0.283	45.6	72.4	32.9	79.6	384	1.0	0.0	0.576	46.0	75.2	17.4	77.1	373	1.0	0.0	0.283	1.0	0.0	0.746	46.0	77.1	8.8	77.7	366	1.0	0.0	0.283
385	374	367	1.0	0.0	0.266	45.6	72.3	33.8	79.8	385	1.0	0.0	0.55	45.9	74.9	18.7	77.2	374	1.0	0.0	0.267	1.0	0.0	0.717	46.0	76.8	10.3	77.5	367	1.0	0.0	0.267
385	375	368	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385	1.0	0.0	0.524	45.9	74.5	20.0	77.2	375	1.0	0.0	0.25	1.0	0.0	0.687	46.0	76.5	11.8	77.4	368	1.0	0.0	0.25
386	376	369	1.0	0.0	0.233	45.6	72.1	35.3	80.3	386	1.0	0.0	0.498	45.9	74.2	21.3	77.2	376	1.0	0.0	0.233	1.0	0.0	0.658	46.0	76.1	13.3	77.2	369	1.0	0.0	0.233
386	377	370	1.0	0.0	0.216	45.6	72.0	36.1	80.5	386	1.0	0.0	0.475	45.9	74.0	22.6	77.4	377	1.0	0.0	0.217	1.0	0.0	0.628	46.0	75.7	14.7	77.1	370	1.0	0.0	0.217
387	378	372	1.0	0.0	0.2	45.6	71.9	36.8	80.8	387	1.0	0.0	0.451	45.9	73.8	24.0	77.6	378	1.0	0.0	0.2	1.0	0.0	0.599	46.0	75.4	16.2	77.1	372	1.0	0.0	0.2
387	379	373	1.0	0.0	0.183	45.5	71.8	37.5	81.0	387	1.0	0.0</																				



TUB material: code=rha4ta
ny0 (CMY0)

input: *rgb/cmyk* -> *rgb*
output: transfer to *cmy* θ_e

colors and differences, ΔE^* ,[illegible]



TUB material: code=rha4ta
my0 (CMY0)

input: *rgb/cmyk* → *rgbe*
output: transfer to *cmy0_e*

colors and differences, ΔE^* ,

-see similar files: <http://130.149.60.45/~farbmatrik/RE18/RE18.HTM>
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

[illegible]



TUB material: code=rha4ta
ny0 (CMY0)

input: *rgb/cmyk* → *rgb*_e
output: transfer to *cmy*_{0e}

TUB-test chart RE18; hu
colors and differences, ΔE^* ,

$n-j$	H/C ^{Fe}	rgb^{Fe}	ktz^{Fe}	hsa^{Fe}	rgb^{Fe}	$LubCh^{Fe}$	rgb^{Fe}	$LubCh^{Fe}$	DE^{Fe}	hsa^{Fe}	rgb^{Fe}	$LubCh^{Fe}$	DE^{Fe}	hsa^{Fe}	rgb^{Fe}	$LubCh^{Fe}$
1	NW_000s	0.0	0.0	0.0	360	0.0	0.0	24.3	0.0	360	1.0	1.0	0.0	360	1.0	1.0
2	B00R_012_012e	0.0	0.125	0.062	270	0.0	0.057	0.125	26.3	0.1	-5.0	5.0	0.0	303.1	-3.5	4.2
3	B00R_025_025e	0.0	0.25	0.125	283	0.3	0.114	0.25	28.3	0.3	-10.1	10.1	0.0	329.8	-8.2	9.4
4	B00R_037_037e	0.0	0.375	0.187	270	0.0	0.171	0.375	30.3	0.4	-15.2	15.2	0.0	341.6	-12.1	13.9
5	B00R_050_050e	0.0	0.5	0.25	270	0.0	0.229	0.5	32.3	0.6	-20.3	20.3	0.0	305.1	-18.9	22.1
6	B00R_062_062e	0.0	0.625	0.312	270	0.0	0.286	0.625	34.3	0.7	-25.4	25.4	0.0	246.1	-24.6	29.2
7	B00R_075_075e	0.0	0.75	0.375	270	0.0	0.343	0.75	36.2	0.9	-30.5	30.5	0.0	303.9	-30.7	37.0
8	B00R_087_087e	0.0	0.875	0.437	270	0.0	0.4	0.875	38.1	1.0	-35.5	35.6	0.0	248.5	-35.9	44.0
9	B00R_100_100e	0.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	-40.6	40.6	0.0	366.2	-40.0	50.0
10	G50B_012_012e	0.0	0.125	0.062	150	0.0	0.125	0.08	27.6	-7.7	2.4	8.1	162.2	0.0	0.125	0.0
11	G50B_012_012e	0.0	0.125	0.062	210	0.0	0.125	0.083	28.2	-4.5	-3.4	5.6	164.3	0.0	0.125	0.0
12	G50B_025_025e	0.0	0.25	0.125	180	0.0	0.2	0.25	31.1	-16.9	4.9	-10.3	16.9	0.0	0.125	0.0
13	G50B_025_025e	0.0	0.25	0.125	251	0.0	0.2	0.25	32.1	-15.9	-3.0	-14.4	16.9	0.0	0.125	0.0
14	G50B_037_037e	0.0	0.375	0.187	251	0.0	0.301	0.375	35.0	-19.0	-15.9	19.0	258.9	0.0	0.375	0.0
15	G50B_050_050e	0.0	0.5	0.25	256	0.0	0.301	0.5	35.0	-3.9	-25.6	25.8	258.9	0.0	0.5	0.25
16	G50B_062_062e	0.0	0.625	0.312	259	0.0	0.357	0.625	36.9	-3.7	-25.6	25.8	261.6	0.0	0.625	0.0
17	G50B_075_075e	0.0	0.75	0.375	261	0.0	0.414	0.75	38.9	-3.4	-35.8	35.9	264.4	0.0	0.75	0.375
18	G50B_087_087e	0.0	0.875	0.437	261	0.0	0.474	0.875	40.9	-3.3	-35.8	35.9	264.4	0.0	0.875	0.437
19	G50B_100_100e	0.0	1.0	0.5	263	0.0	0.532	1.0	42.9	-3.3	-40.8	41.0	265.3	0.0	1.0	0.5
20	G50B_025_025e	0.0	0.25	0.125	150	0.0	0.25	0.125	30.9	-15.5	4.9	16.3	162.2	0.0	0.25	0.125
21	G50B_025_025e	0.0	0.25	0.125	180	0.0	0.25	0.125	31.5	-12.1	-6.0	12.3	186.9	0.0	0.25	0.125
22	G50B_037_037e	0.0	0.375	0.187	229	0.0	0.375	0.355	36.3	-10.4	-14.5	17.8	234.3	0.0	0.375	0.187
23	G50B_050_050e	0.0	0.5	0.25	240	0.0	0.423	0.5	38.8	-9.9	-20.6	22.9	244.3	0.0	0.5	0.25
24	G50B_062_062e	0.0	0.625	0.312	247	0.0	0.453	0.625	40.2	-8.9	-25.7	27.2	250.7	0.0	0.625	0.312
25	G50B_075_075e	0.0	0.75	0.375	251	0.0	0.5	0.75	41.9	-8.6	-30.8	31.9	254.3	0.0	0.75	0.375
26	G50B_087_087e	0.0	0.875	0.437	251	0.0	0.545	0.875	43.7	-8.1	-35.7	36.7	257.1	0.0	0.875	0.437
27	G50B_100_100e	0.0	1.0	0.5	256	0.0	0.602	1.0	45.6	-7.9	-40.9	41.7	258.9	0.0	1.0	0.5
28	G50B_037_037e	0.0	0.375	0.187	150	0.0	0.375	0.056	34.2	-23.2	7.4	24.4	162.2	0.0	0.375	0.0
29	G50B_037_037e	0.0	0.375	0.187	169	0.0	0.375	0.151	34.8	-20.0	0.1	20.0	179.5	0.0	0.375	0.0
30	G50B_037_037e	0.0	0.375	0.187	191	0.0	0.375	0.222	35.4	-16.5	5.9	17.6	199.6	0.0	0.375	0.0
31	G50B_050_050e	0.0	0.5	0.25	224	0.0	0.375	0.28	35.8	-13.5	-10.2	16.9	216.9	0.0	0.375	0.0
32	G50B_062_062e	0.0	0.625	0.312	233	0.0	0.625	0.401	44.6	-15.1	-17.7	23.2	229.7	0.0	0.625	0.312
33	G50B_075_075e	0.0	0.75	0.375	240	0.0	0.634	0.75	46.9	-16.0	-25.7	30.3	237.9	0.0	0.75	0.375
34	G50B_087_087e	0.0	0.875	0.437	240	0.0	0.692	0.875	49.5	-14.8	-30.1	34.3	244.3	0.0	0.875	0.437
35	G50B_100_100e	0.0	1.0	0.5	245	0.0	0.75	1.0	50.0	-16.0	-30.0	38.5	248.9	0.0	1.0	0.5
36	G50B_050_050e	0.0	0.5	0.25	150	0.0	0.5	0.375	37.1	-13.6	-41.1	43.3	251.6	0.0	0.375	0.0
37	G50B_050_050e	0.0	0.5	0.25	164	0.0	0.5	0.375	38.5	-31.0	9.9	32.6	162.2	0.0	0.5	0.25
38	G50B_050_050e	0.0	0.5	0.25	186	0.0	0.5	0.375	39.2	-27.7	24.1	24.6	189.6	0.0	0.5	0.25
39	G50B_050_050e	0.0	0.5	0.25	196	0.0	0.5	0.375	39.6	-24.3	-4.1	23.0	204.2	0.0	0.5	0.25
40	G50B_062_062e	0.0	0.625	0.312	221	0.0	0.625	0.337	44.0	-19.6	-21.0	28.8	216.9	0.0	0.625	0.312
41	G50B_075_075e	0.0	0.75	0.375	229	0.0	0.75	0.411	48.4	-20.8	-29.0	35.7	234.3	0.0	0.75	0.375
42	G50B_087_087e	0.0	0.875	0.437	235	0.0	0.841	0.875	52.0	-21.1	-36.3	42.0	239.7	0.0	0.875	0.437
43	G50B_100_100e	0.0	1.0	0.5	240	0.0	0.846	1.0	53.3	-19.8	-41.3	45.9	244.3	0.0	1.0	0.5
44	G50B_062_062e	0.0	0.625	0.312	160	0.0	0.625	0.094	40.8	-38.8	12.4	40.7	162.2	0.0	0.625	0.312
45	G50B_062_062e	0.0	0.625	0.312	161	0.0	0.625	0.195	41.4	-35.6	4.8	35.9	172.2	0.0	0.625	0.312
46	G50B_062_062e	0.0	0.625	0.312	173	0.0	0.625	0.274	41.9	-32.4	-1.8	32.4	183.2	0.0	0.625	0.312
47	G50B_062_062e	0.0	0.625	0.312	187	0.0	0.625	0.349	42.5	-28.7	-8.2	29.8	195.9	0.0	0.625	0.312
48	G50B_062_062e	0.0	0.625	0.312	199	0.0	0.625	0.441	43.0	-25.5	-12.9	28.6	206.9	0.0	0.625	0.312
49	G50B_062_062e	0.0	0.625	0.312	210	0.0	0.625	0.467	43.5	-24.2	-17.0	28.3	216.9	0.0	0.625	0.312
50	G50B_075_075e	0.0	0.75	0.375	219	0.0	0.75	0.629	47.8	-22.6	-24.4	34.4	225.1	0.0	0.75	0.375
51	G50B_075_075e	0.0	0.75	0.375	226	0.0	0.875	0.8	52.2	-25.5	-32.2	41.1	231.5	0.0	0.875	0.8
52	G50B_100_100e	0.0	1.0	0.5	232	0.0	1.0	0.882	56.6	-26.3	-40.6	48.3	237.0	0.0	1.0	0.5
53	G50B_075_075e	0.0	0.75	0.375	150	0.0	0.75	0.113	44.1	-46.3	14.9	48.9	162.2	0.0	0.75	0.375
54	G50B_075_075e	0.0	0.75	0.375	159	0.0	0.75	0.215	44.9	-43.3	7.3	43.9	170.4	0.0	0.75	0.375
55	G50B_075_075e	0.0	0.75	0.375	169	0.0	0.75	0.317	45.9	-41.1	16.1	46.6	176.2	0.0	0.75	0.375
56	G50B_075_075e	0.0	0.75	0.375	180	0.0	0.75	0.42	46.9	-38.1	16.1	36.9	189.6	0.0	0.75	0.375
57	G50B_075_075e	0.0	0.75	0.375	191	0.0	0.75	0.444	46.4	-33.1	-11.8	35.2	199.6	0.0	0.75	0.375
58	G50B_075_075e	0.0	0.75	0.375	205	0.0	0.75	0.595	46.9	-30.1	-16.5	34.3	208.7	0.0	0.75	0.375
59	G50B_075_075e	0.0	0.75	0.375	210	0.0	0.75	0.56	47.3	-27.1	-20.4	33.9	216.9	0.0	0.75	0.375
60	G50B_075_075e	0.0	0.75	0.375	218	0.0	0.875	0.75	51.6	-28.7	-28.0	46.5	229.7	0.0	0.875	0.75
61	G50B_100_100e	0.0	1.0	0.5	224	0.0	1.0	0.892	56.0	-30.0	-35.5	46.5	229.7	0.0	1.0	0.5
62	G50B_087_087e	0.0	0.875	0.437	150	0.0	0.875	0.132	47.3	-54.3	17.4	57.0	162.2	0.0	0.875	0.0
63	G50B_087_087e	0.0	0.875	0.437	158	0.0	0.875	0.239	48.0	-50.9	9.4	51.8	169.5	0.0	0.875	0.0
64	G50B_087_087e	0.0	0.875	0.437	166	0.0	0.875	0.329	48.5	-47.7	2.6	44.7	176.8	0.0	0.875	0.0
65	G50B_087_087e	0.0	0.875	0.437	175	0.0	0.875	0.4	49.1	-44.6	-3.9	44.7	185.0	0.0	0.875	0.0
66	G50B_087_087e	0.0	0.875	0.437	185	0.0	0.875	0.475	49.7	-40.9	-10.3	42.2	194.1	0.0	0.875	0.0
67	G50B_087_087e	0.0	0.875	0.437	194	0.0	0.875	0.54	50.2	-37.4	-15.4	40.5	202.3	0.0	0.875	0.0
68	G50B_087_087e	0.0	0.875	0.437	202	0.0	0.875	0.597	50.7	-34.7	-19.8	40.8	209.6	0.0	0.875	0.0
69	G50B_087_087e	0.0	0.875	0.437	210	0.0	0.875	0.653	51.1	-31.6	-23.8	39.6	216.9	0.0	0.875	0.0
70	G50B_087_087e	0.0	0.875	0.437	210	0.0	0.875	0.653	51.1	-31.6	-23.8	39.6	216.9	0.0	0.875	0.0
71	G50B_100_100e	0.0	1.0	0.5	217	0.0	1.0	0.818	55.5	-33.2	-31.4	45.7	223.3	0.0	1.0	0.5
72	G50B_100_100e	0.0	1.0	0.5	150	0.0	1.0	0.818	55.5	-33.2	-31.4	45.7	223.3	0.0	1.0	0.5
73	G50B_100_100e	0.0	1.0	0.5	150	0.0	1.0	0.818	55.5	-33.2	-31.4	45.7	223.3	0.0	1.0	0.5
74	G50B_100_100e	0.0	1.0	0.5	164	0.0	1.0	0.818	55.5	-33.2	-31.4	45.7	223.3	0.0	1.0	0.5
75	G50B_100_100e	0.0	1.0	0.5	172	0.0	1.0	0.818	55.5	-33.2	-31.4	45.7	223.3	0.0	1.0	0.5
76	G50B_100_100e	0.0	1.0	0.5	180	0.0	1.0	0.818	55.5	-33						



TUB material: code=rha4ta
ny0 (CMY0)

input: $rgb/cmyk \rightarrow rgbe$
output: transfer to $cmy\theta_e$

RE180-7N, Page 21/33-F

[illegible]

<http://130.149.60.45/~farbmatrik/RE18/RE18LONP.PDF> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 23/33

n	HiC*Fe	rgb*Fe	icL*Fe	hsa*Fe	rgb*Fe	LabCh*Fe	LabCh*Fe	rgb*Fe	DF*Fe	hsa*Fe	rgb*Fe	LabCh*Fe	LabCh*Fe
243	R00Y.037.037e	0.375 0.0 0.125	0.375 0.375 0.187	390	0.375 0.0 0.095	32.3	27.0	25.4	30.0	12.9	30.0	31.7	36.2
244	R18Y.037.037e	0.375 0.0 0.125	0.375 0.375 0.187	371	0.375 0.0 0.31	32.4	27.0	25.4	29.2	12.9	30.0	31.7	36.2
245	B6SR.037.037e	0.375 0.0 0.375	0.375 0.375 0.187	349	0.226 0.0 0.375	26.9	24.1	29.2	24.7	34.6	31.7	38.5	31.7
246	B6SR.037.037e	0.375 0.0 0.375	0.375 0.375 0.187	349	0.226 0.0 0.375	26.9	24.1	29.2	24.7	34.6	31.7	38.5	31.7
247	B38R.050.050e	0.375 0.0 0.5	0.5 0.5 0.25	316	0.067 0.0 0.5	26.1	18.2	28.0	25.7	31.3	30.9	39.3	30.9
248	B38R.062.062e	0.375 0.0 0.625	0.625 0.625 0.312	307	0.005 0.0 0.625	24.9	18.7	25.1	31.3	30.6	32.4	45.1	45.1
249	B25R.075.075e	0.375 0.0 0.75	0.75 0.75 0.375	300	0.0 0.079 0.75	27.1	17.6	25.1	31.3	30.6	32.4	45.1	45.1
250	B25R.075.075e	0.375 0.0 0.75	0.75 0.75 0.375	300	0.0 0.079 0.75	27.1	17.6	25.1	31.3	30.6	32.4	45.1	45.1
251	B18R.100.100e	0.375 0.0 1.0	1.0 1.0 0.5	292	0.0 0.21 1.0	31.5	16.8	20.7	28.5	28.5	34.8	51.8	51.8
252	R31Y.037.037e	0.375 0.125 0.125	0.375 0.375 0.187	49	0.375 0.092 0.0	35.3	19.6	20.7	28.5	28.5	34.8	51.8	51.8
253	R00Y.037.025e	0.375 0.125 0.125	0.375 0.25 0.25	390	0.375 0.124 0.188	38.6	18.0	8.6	20.7	28.5	34.8	51.8	51.8
254	R00Y.037.025e	0.375 0.125 0.125	0.375 0.25 0.25	390	0.375 0.124 0.188	38.6	18.0	8.6	20.7	28.5	34.8	51.8	51.8
255	B50R.037.025e	0.375 0.125 0.375	0.375 0.25 0.25	330	0.205 0.124 0.375	34.9	11.9	7.2	13.9	32.6	31.7	38.8	38.8
256	B50R.037.025e	0.375 0.125 0.375	0.375 0.25 0.25	330	0.205 0.124 0.375	34.9	11.9	7.2	13.9	32.6	31.7	38.8	38.8
257	B34R.050.037e	0.375 0.125 0.5	0.5 0.375 0.312	311	0.149 0.124 0.5	34.0	12.3	14.4	19.0	31.0	32.7	45.1	45.1
258	B34R.050.037e	0.375 0.125 0.5	0.5 0.375 0.312	311	0.149 0.124 0.5	34.0	12.3	14.4	19.0	31.0	32.7	45.1	45.1
259	B25R.062.050e	0.375 0.125 0.625	0.625 0.5 0.375	303	0.125 0.177 0.625	35.1	11.7	20.1	23.3	30.1	32.7	45.1	45.1
260	B25R.062.050e	0.375 0.125 0.625	0.625 0.5 0.375	303	0.125 0.177 0.625	35.1	11.7	20.1	23.3	30.1	32.7	45.1	45.1
261	B18R.075.075e	0.375 0.125 0.875	0.875 0.75 0.5	289	0.125 0.311 0.875	39.6	10.8	30.1	32.0	28.9	34.8	51.8	51.8
262	B18R.075.075e	0.375 0.125 0.875	0.875 0.75 0.5	289	0.125 0.311 0.875	39.6	10.8	30.1	32.0	28.9	34.8	51.8	51.8
263	R00Y.037.037e	0.375 0.25 0.125	0.375 0.375 0.187	71	0.375 0.203 0.0	40.5	9.2	26.9	28.4	28.4	34.8	51.8	51.8
264	R00Y.037.037e	0.375 0.25 0.125	0.375 0.375 0.187	71	0.375 0.203 0.0	40.5	9.2	26.9	28.4	28.4	34.8	51.8	51.8
265	R00Y.037.037e	0.375 0.25 0.125	0.375 0.375 0.187	71	0.375 0.203 0.0	40.5	9.2	26.9	28.4	28.4	34.8	51.8	51.8
266	R00Y.037.037e	0.375 0.25 0.125	0.375 0.375 0.187	71	0.375 0.203 0.0	40.5	9.2	26.9	28.4	28.4	34.8	51.8	51.8
267	R00Y.037.037e	0.375 0.25 0.125	0.375 0.375 0.187	71	0.375 0.203 0.0	40.5	9.2	26.9	28.4	28.4	34.8	51.8	51.8
268	R00Y.037.037e	0.375 0.25 0.125	0.375 0.375 0.187	71	0.375 0.203 0.0	40.5	9.2	26.9	28.4	28.4	34.8	51.8	51.8
269	R00Y.037.037e	0.375 0.25 0.125	0.375 0.375 0.187	71	0.375 0.203 0.0	40.5	9.2	26.9	28.4	28.4	34.8	51.8	51.8
270	R00Y.037.037e	0.375 0.25 0.125	0.375 0.375 0.187	71	0.375 0.203 0.0	40.5	9.2	26.9	28.4	28.4	34.8	51.8	51.8
271	Y00C.037.037e	0.375 0.375 0.125	0.375 0.375 0.187	90	0.375 0.339 0.0	46.5	-1.3	33.9	33.9	92.3	11.3	11.3	11.3
272	Y00C.037.037e	0.375 0.375 0.125	0.375 0.375 0.187	90	0.375 0.339 0.0	46.5	-1.3	33.9	33.9	92.3	11.3	11.3	11.3
273	NW.037e	0.375 0.375 0.375	0.375 0.0 0.375	360	0.375 0.359 0.249	49.5	-0.4	11.3	11.3	92.3	11.3	11.3	11.3
274	B00R.062.012e	0.375 0.375 0.5	0.5 0.125 0.437	270	0.375 0.432 0.5	53.0	0.1	-5.0	10.0	0.0	0.0	0.0	0.0
275	B00R.062.012e	0.375 0.375 0.5	0.5 0.125 0.437	270	0.375 0.432 0.5	53.0	0.1	-5.0	10.0	0.0	0.0	0.0	0.0
276	B00R.075.037e	0.375 0.375 0.625	0.625 0.25 0.5	270	0.375 0.489 0.625	55.0	0.3	-10.1	10.1	27.1	31.7	38.8	38.8
277	B00R.075.037e	0.375 0.375 0.625	0.625 0.25 0.5	270	0.375 0.489 0.625	55.0	0.3	-10.1	10.1	27.1	31.7	38.8	38.8
278	B00R.100.062e	0.375 0.375 1.0	1.0 0.625 0.687	270	0.375 0.604 0.875	59.0	0.6	-20.3	20.3	27.1	31.7	38.8	38.8
279	Y23C.050.050e	0.375 0.5 0.25	0.5 0.25 0.125	104	0.302 0.5 0.125	61.0	0.9	-12.5	37.1	39.2	38.9	92.9	92.9
280	Y30C.050.037e	0.375 0.5 0.25	0.5 0.25 0.125	109	0.331 0.5 0.124	61.3	0.5	-11.2	24.4	16.9	31.0	93.2	93.2
281	Y50C.050.012e	0.375 0.5 0.375	0.5 0.125 0.437	150	0.375 0.5 0.393	54.3	-7.7	2.4	8.1	16.2	16.2	16.2	16.2
282	G00B.050.012e	0.375 0.5 0.375	0.5 0.125 0.437	150	0.375 0.5 0.393	54.3	-7.7	2.4	8.1	16.2	16.2	16.2	16.2
283	G50B.050.012e	0.375 0.5 0.625	0.625 0.25 0.5	240	0.375 0.586 0.625	58.3	-4.9	-10.3	11.4	24.9	31.7	38.8	38.8
284	G73B.062.050e	0.375 0.5 0.875	0.875 0.75 0.375	256	0.375 0.676 0.875	61.7	-3.9	-20.4	20.8	25.8	31.7	38.8	38.8
285	G84B.075.037e	0.375 0.5 0.875	0.875 0.75 0.375	256	0.375 0.676 0.875	61.7	-3.9	-20.4	20.8	25.8	31.7	38.8	38.8
286	G88B.087.050e	0.375 0.5 1.0	1.0 0.625 0.687	259	0.375 0.732 1.0	63.6	-3.7	-25.6	25.8	26.1	31.7	38.8	38.8
287	G90B.100.062e	0.375 0.5 1.0	1.0 0.625 0.687	259	0.375 0.732 1.0	63.6	-3.7	-25.6	25.8	26.1	31.7	38.8	38.8
288	Y36C.062.062e	0.375 0.625 0.125	0.625 0.25 0.375	113	0.258 0.625 0.125	51.1	-21.2	38.0	43.5	11.9	11.9	11.9	11.9
289	Y36C.062.062e	0.375 0.625 0.125	0.625 0.25 0.375	113	0.258 0.625 0.125	51.1	-21.2	38.0	43.5	11.9	11.9	11.9	11.9
290	Y68C.062.037e	0.375 0.625 0.375	0.625 0.375 0.437	131	0.319 0.625 0.25	54.2	-19.1	15.9	24.9	14.0	14.0	14.0	14.0
291	G00B.062.037e	0.375 0.625 0.5	0.5 0.625 0.687	150	0.375 0.625 0.5	58.2	-12.1	-2.0	12.3	18.9	16.2	16.2	16.2
292	G25B.062.025e	0.375 0.625 0.5	0.5 0.625 0.687	150	0.375 0.625 0.5	58.2	-12.1	-2.0	12.3	18.9	16.2	16.2	16.2
293	G58B.075.037e	0.375 0.625 0.875	0.875 0.5 0.625	229	0.375 0.75 0.73	63.1	-10.4	-14.5	17.8	24.4	31.7	38.8	38.8
294	G58B.075.037e	0.375 0.625 0.875	0.875 0.5 0.625	229	0.375 0.75 0.73	63.1	-10.4	-14.5	17.8	24.4	31.7	38.8	38.8
295	G80B.100.062e	0.375 0.625 1.0	1.0 0.625 0.687	247	0.375 0.828 1.0	66.9	-8.9	-25.7	27.2	25.0	31.7	38.8	38.8
296	G80B.100.062e	0.375 0.625 1.0	1.0 0.625 0.687	247	0.375 0.828 1.0	66.9	-8.9	-25.7	27.2	25.0	31.7	38.8	38.8
297	Y50C.075.075e	0.375 0.75 0.125	0.75 0.625 0.437	127	0.241 0.75 0.125	54.5	-29.6	29.2	41.6	13.4	13.4	13.4	13.4
298	Y61C.075.062e	0.375 0.75 0.25	0.25 0.0 0.875	136	0.304 0.75 0.25	57.0	-27.7	18.7	33.5	14.9	14.9	14.9	14.9
299	Y66C.075.050e	0.375 0.75 0.375	0.375 0.375 0.187	150	0.375 0.75 0.431	60.9	-23.2	7.4	24.4	16.2	16.2	16.2	16.2
300	G00B.075.037e	0.375 0.75 0.375	0.375 0.375 0.187	150	0.375 0.75 0.431	60.9	-23.2	7.4	24.4	16.2	16.2	16.2	16.2
301	G34B.075.037e	0.375 0.75 0.625	0.625 0.375 0.562	191	0.375 0.75 0.597	62.1	-16.5	-5.9	17.6	19.9	16.2	16.2	16.2
30													



TUB material: code=rha4ta
ny0 (CMY0)

input: *rgb/cmyk* → *rgb*
output: transfer to *cmy0*



2F180-7N D300 24/33-F

[illegible]

<http://130.149.60.45/~farbmatrik/RE18/RE18L0NP.PDF /PS; transfer output>
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 26/33

n	H*Ch*Fe	rgb-Fe	icL-Fe	hsa-Fe	rgb*Fe	LabCh*Fe	LabCh*Fe	DF*Fe	hsa*Fe	rgb*Fe	LabCh*Fe	LabCh*Fe
486	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	11.6	31.5	0.0	0.0	0.0
487	R35Y, 075, 075 ⁰	0.75	0.125	0.0	0.75	0.0	0.0	16.8	37.5	0.0	0.0	0.0
488	R10Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	21.3	33.0	0.0	0.0	0.0
489	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	28.6	30.0	0.0	0.0	0.0
490	R65R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	34.1	29.6	0.0	0.0	0.0
491	R57R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	39.8	28.2	0.0	0.0	0.0
492	B50R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	43.1	28.2	0.0	0.0	0.0
493	B43R, 087, 087 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	45.8	27.7	0.0	0.0	0.0
494	B38R, 100, 100 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	51.3	33.0	0.0	0.0	0.0
495	R15Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	57.1	37.5	0.0	0.0	0.0
496	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	61.3	34.3	0.0	0.0	0.0
497	R35Y, 075, 075 ⁰	0.75	0.125	0.0	0.75	0.0	0.0	65.9	31.5	0.0	0.0	0.0
498	R10Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	69.2	28.2	0.0	0.0	0.0
499	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	72.7	27.7	0.0	0.0	0.0
500	B65R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	75.1	28.2	0.0	0.0	0.0
501	B57R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	77.7	27.7	0.0	0.0	0.0
502	B50R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	80.2	28.2	0.0	0.0	0.0
503	B43R, 087, 087 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	82.7	27.7	0.0	0.0	0.0
504	B38R, 100, 100 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	85.2	33.0	0.0	0.0	0.0
505	R15Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	87.7	37.5	0.0	0.0	0.0
506	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	90.2	34.3	0.0	0.0	0.0
507	R35Y, 075, 075 ⁰	0.75	0.125	0.0	0.75	0.0	0.0	92.7	31.5	0.0	0.0	0.0
508	R10Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	95.2	28.2	0.0	0.0	0.0
509	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	97.7	27.7	0.0	0.0	0.0
510	B65R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	100.2	28.2	0.0	0.0	0.0
511	B57R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	102.7	27.7	0.0	0.0	0.0
512	B50R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	105.2	28.2	0.0	0.0	0.0
513	B43R, 087, 087 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	107.7	27.7	0.0	0.0	0.0
514	B38R, 100, 100 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	110.2	33.0	0.0	0.0	0.0
515	R15Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	112.7	37.5	0.0	0.0	0.0
516	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	115.2	34.3	0.0	0.0	0.0
517	R35Y, 075, 075 ⁰	0.75	0.125	0.0	0.75	0.0	0.0	117.7	31.5	0.0	0.0	0.0
518	R10Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	120.2	28.2	0.0	0.0	0.0
519	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	122.7	27.7	0.0	0.0	0.0
520	B65R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	125.2	28.2	0.0	0.0	0.0
521	B57R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	127.7	27.7	0.0	0.0	0.0
522	B50R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	130.2	28.2	0.0	0.0	0.0
523	B43R, 087, 087 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	132.7	27.7	0.0	0.0	0.0
524	B38R, 100, 100 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	135.2	33.0	0.0	0.0	0.0
525	R15Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	137.7	37.5	0.0	0.0	0.0
526	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	140.2	34.3	0.0	0.0	0.0
527	R35Y, 075, 075 ⁰	0.75	0.125	0.0	0.75	0.0	0.0	142.7	31.5	0.0	0.0	0.0
528	R10Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	145.2	28.2	0.0	0.0	0.0
529	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	147.7	27.7	0.0	0.0	0.0
530	B65R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	150.2	28.2	0.0	0.0	0.0
531	B57R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	152.7	27.7	0.0	0.0	0.0
532	B50R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	155.2	28.2	0.0	0.0	0.0
533	B43R, 087, 087 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	157.7	27.7	0.0	0.0	0.0
534	B38R, 100, 100 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	160.2	33.0	0.0	0.0	0.0
535	R15Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	162.7	37.5	0.0	0.0	0.0
536	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	165.2	34.3	0.0	0.0	0.0
537	R35Y, 075, 075 ⁰	0.75	0.125	0.0	0.75	0.0	0.0	167.7	31.5	0.0	0.0	0.0
538	R10Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	170.2	28.2	0.0	0.0	0.0
539	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	172.7	27.7	0.0	0.0	0.0
540	B65R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	175.2	28.2	0.0	0.0	0.0
541	B57R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	177.7	27.7	0.0	0.0	0.0
542	B50R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	180.2	28.2	0.0	0.0	0.0
543	B43R, 087, 087 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	182.7	27.7	0.0	0.0	0.0
544	B38R, 100, 100 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	185.2	33.0	0.0	0.0	0.0
545	R15Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	187.7	37.5	0.0	0.0	0.0
546	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	190.2	34.3	0.0	0.0	0.0
547	R35Y, 075, 075 ⁰	0.75	0.125	0.0	0.75	0.0	0.0	192.7	31.5	0.0	0.0	0.0
548	R10Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	195.2	28.2	0.0	0.0	0.0
549	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	197.7	27.7	0.0	0.0	0.0
550	B65R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	200.2	28.2	0.0	0.0	0.0
551	B57R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	202.7	27.7	0.0	0.0	0.0
552	B50R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	205.2	28.2	0.0	0.0	0.0
553	B43R, 087, 087 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	207.7	27.7	0.0	0.0	0.0
554	B38R, 100, 100 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	210.2	33.0	0.0	0.0	0.0
555	R15Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	212.7	37.5	0.0	0.0	0.0
556	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	215.2	34.3	0.0	0.0	0.0
557	R35Y, 075, 075 ⁰	0.75	0.125	0.0	0.75	0.0	0.0	217.7	31.5	0.0	0.0	0.0
558	R10Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	220.2	28.2	0.0	0.0	0.0
559	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	222.7	27.7	0.0	0.0	0.0
560	B65R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	225.2	28.2	0.0	0.0	0.0
561	B57R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	227.7	27.7	0.0	0.0	0.0
562	B50R, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	230.2	28.2	0.0	0.0	0.0
563	B43R, 087, 087 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	232.7	27.7	0.0	0.0	0.0
564	B38R, 100, 100 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	235.2	33.0	0.0	0.0	0.0
565	R15Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	237.7	37.5	0.0	0.0	0.0
566	R00Y, 075, 075 ⁰	0.75	0.0	0.0	0.75	0.0	0.0	240.2	34.3	0.0	0.0	0.0

input: $rgb/cmyk -> rgb$
output: transfer to $cmy0$

TUB-test chart RE18; hue code: H*_e=B00R_e
colors and differences, ΔE^*

I-0132531-F0

RE180-7N, Page 26/33-F

Mean color difference of this page: $\Delta E^* = 14.5$



TUB material: code=rha4ta
ny0 (CMY0)

input: *rgb/cmyk* → *rgb*_e
output: transfer to *cmy*₀

colors and differences, ΔE^* ,

1-0132631-F0	RE180-7N, Page 27/33-F	00000000
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-0122621-E0

-0122621-E0

see similar files: <http://130.149.60.45/~farbmatrik/RE18/RE18.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/RE18/RE18LONP.PDF /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/33

TUB-test chart RE18; hue code: $H^*_p=B00R_e$

input: *rgb/cmyk* → *rgb*_e
output: transfer to *cmy*₀

n	HIC ^{Fe}	rgb^{Fe}	lcr^{Fe}	hsa^{Fe}	rgb^{Fe}	$LabCh^{Fe}$	$LabCh^{Fe}$	rgb^{Fe}	DE^{Fe}	hsa^{Fe}	rgb^{Fe}	$LabCh^{Fe}$
648	R00Y_100_100e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
649	R00Y_100_100e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
650	R38Y_100_100e	1.0	0.125	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
651	R26Y_100_100e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
652	R13Y_100_100e	1.0	0.0	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
653	R60Y_100_100e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
654	R68Y_100_100e	1.0	0.0	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
655	B61R_100_100e	1.0	0.0	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
656	B55R_100_100e	1.0	0.0	0.875	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
657	B50R_100_100e	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
658	R00Y_100_087e	1.0	0.125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
659	R36Y_100_087e	1.0	0.125	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
660	R23Y_100_087e	1.0	0.125	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
661	R08Y_100_087e	1.0	0.125	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
662	B70R_100_087e	1.0	0.125	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
663	B63R_100_087e	1.0	0.125	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
664	B56R_100_087e	1.0	0.125	0.875	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
665	B50R_100_087e	1.0	0.125	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
666	R23Y_100_100e	1.0	0.25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
667	R13Y_100_087e	1.0	0.25	0.125	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
668	R00Y_100_075e	1.0	0.25	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
669	R35Y_100_075e	1.0	0.25	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
670	R18Y_100_075e	1.0	0.25	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
671	R00Y_100_075e	1.0	0.25	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
672	B65R_100_075e	1.0	0.25	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
673	B58R_100_075e	1.0	0.25	0.875	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
674	B50R_100_075e	1.0	0.25	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
675	R26Y_100_100e	1.0	0.375	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
676	R36Y_100_087e	1.0	0.375	0.125	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
677	R15Y_100_075e	1.0	0.375	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
678	R00Y_100_062e	1.0	0.375	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
679	R31Y_100_062e	1.0	0.375	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
680	R11Y_100_062e	1.0	0.375	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

<http://130.149.60.45/~farbmatrik/RE18/RE18L0NP.PDF /PS; transfer output>
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 31/33

n	H*Ch*Fe	rgb-Fe	icr-Fe	hsa-Fe	LabCh*Fe	rgb*Fe	LabCh*Fe	DF*Fe	hsa*Fe	rgb*Fe	LabCh*Fe	LabCh*Fe
891	NW_100e	1.0	1.0	360	956	1.0	956	0.1	360	1.0	956	0.0
892	B50R_100.012e	1.0	0.125	0.937	875	1.0	875	0.1	360	1.0	956	0.0
893	B50R_100.025e	1.0	0.25	0.875	795	1.0	795	0.1	360	1.0	956	0.0
894	B50R_100.037e	1.0	0.375	0.812	715	1.0	715	0.1	360	1.0	956	0.0
895	B50R_100.050e	1.0	0.5	0.75	635	1.0	635	0.1	360	1.0	956	0.0
896	B50R_100.062e	1.0	0.625	0.687	555	1.0	555	0.1	360	1.0	956	0.0
897	B50R_100.075e	1.0	0.75	0.625	475	1.0	475	0.1	360	1.0	956	0.0
898	B50R_100.087e	1.0	0.875	0.562	395	1.0	395	0.1	360	1.0	956	0.0
899	B50R_100.100e	1.0	1.0	0.5	315	1.0	315	0.1	360	1.0	956	0.0
900	GOB_100.012e	0.875	1.0	0.125	937	0.875	937	0.1	360	0.875	937	0.0
901	NW_087e	0.875	0.875	0.875	875	0.875	875	0.1	360	0.875	875	0.0
902	B50R_087.012e	0.875	0.125	0.812	795	0.875	795	0.1	360	0.875	795	0.0
903	B50R_087.025e	0.875	0.25	0.75	715	0.875	715	0.1	360	0.875	715	0.0
904	B50R_087.037e	0.875	0.375	0.687	635	0.875	635	0.1	360	0.875	635	0.0
905	B50R_087.050e	0.875	0.5	0.625	555	0.875	555	0.1	360	0.875	555	0.0
906	B50R_087.062e	0.875	0.625	0.562	475	0.875	475	0.1	360	0.875	475	0.0
907	B50R_087.075e	0.875	0.75	0.5	395	0.875	395	0.1	360	0.875	395	0.0
908	B50R_087.087e	0.875	0.875	0.437	315	0.875	315	0.1	360	0.875	315	0.0
909	GOB_100.025e	0.75	1.0	0.25	875	0.75	875	0.1	360	0.75	875	0.0
910	GOB_100.037e	0.75	0.875	0.125	812	0.75	812	0.1	360	0.75	812	0.0
911	NW_075e	0.75	0.75	0.75	812	0.75	812	0.1	360	0.75	812	0.0
912	B50R_075.012e	0.75	0.125	0.687	735	0.75	735	0.1	360	0.75	735	0.0
913	B50R_075.025e	0.75	0.25	0.625	655	0.75	655	0.1	360	0.75	655	0.0
914	B50R_075.037e	0.75	0.375	0.562	575	0.75	575	0.1	360	0.75	575	0.0
915	B50R_075.050e	0.75	0.5	0.5	495	0.75	495	0.1	360	0.75	495	0.0
916	B50R_075.062e	0.75	0.625	0.437	415	0.75	415	0.1	360	0.75	415	0.0
917	B50R_075.075e	0.75	0.75	0.375	335	0.75	335	0.1	360	0.75	335	0.0
918	GOB_100.037e	0.625	1.0	0.625	100	0.625	100	0.1	360	0.625	100	0.0
919	GOB_100.050e	0.625	0.875	0.562	92	0.625	92	0.1	360	0.625	92	0.0
920	GOB_100.062e	0.625	0.75	0.5	84	0.625	84	0.1	360	0.625	84	0.0
921	GOB_100.075e	0.625	0.625	0.437	76	0.625	76	0.1	360	0.625	76	0.0
922	B50R_062.012e	0.625	0.125	0.687	680	0.625	680	0.1	360	0.625	680	0.0
923	B50R_062.025e	0.625	0.25	0.625	600	0.625	600	0.1	360	0.625	600	0.0
924	B50R_062.037e	0.625	0.375	0.562	520	0.625	520	0.1	360	0.625	520	0.0
925	B50R_062.050e	0.625	0.5	0.5	440	0.625	440	0.1	360	0.625	440	0.0
926	B50R_062.062e	0.625	0.625	0.437	360	0.625	360	0.1	360	0.625	360	0.0
927	GOB_100.050e	0.5	1.0	0.5	380	0.5	380	0.1	360	0.5	380	0.0
928	GOB_087.037e	0.5	0.875	0.375	300	0.5	300	0.1	360	0.5	300	0.0
929	GOB_087.050e	0.5	0.75	0.312	220	0.5	220	0.1	360	0.5	220	0.0
930	GOB_087.062e	0.5	0.625	0.25	140	0.5	140	0.1	360	0.5	140	0.0
931	NW_050e	0.5	0.5	0.5	160	0.5	160	0.1	360	0.5	160	0.0
932	B50R_050.012e	0.5	0.125	0.437	300	0.5	300	0.1	360	0.5	300	0.0
933	B50R_050.025e	0.5	0.25	0.375	220	0.5	220	0.1	360	0.5	220	0.0
934	B50R_050.037e	0.5	0.375	0.312	140	0.5	140	0.1	360	0.5	140	0.0
935	B50R_050.050e	0.5	0.5	0.25	60	0.5	60	0.1	360	0.5	60	0.0
936	GOB_100.062e	0.375	1.0	0.625	087	0.375	087	0.1	360	0.375	087	0.0
937	GOB_100.075e	0.375	0.875	0.562	150	0.375	150	0.1	360	0.375	150	0.0
938	GOB_100.087e	0.375	0.75	0.5	70	0.375	70	0.1	360	0.375	70	0.0
939	GOB_062.025e	0.375	0.625	0.375	260	0.375	260	0.1	360	0.375	260	0.0
940	NW_037e	0.375	0.5	0.125	047	0.375	047	0.1	360	0.375	047	0.0
941	B50R_037.012e	0.375	0.125	0.312	300	0.375	300	0.1	360	0.375	300	0.0
942	B50R_037.025e	0.375	0.25	0.25	220	0.375	220	0.1	360	0.375	220	0.0
943	B50R_037.037e	0.375	0.375	0.187	140	0.375	140	0.1	360	0.375	140	0.0
944	GOB_100.075e	0.25	1.0	0.625	190	0.25	190	0.1	360	0.25	190	0.0
945	GOB_100.087e	0.25	0.875	0.562	110	0.25	110	0.1	360	0.25	110	0.0
946	GOB_100.100e	0.25	0.75	0.5	30	0.25	30	0.1	360	0.25	30	0.0
947	GOB_062.037e	0.25	0.625	0.437	220	0.25	220	0.1	360	0.25	220	0.0
948	GOB_062.050e	0.25	0.5	0.375	140	0.25	140	0.1	360	0.25	140	0.0
949	GOB_062.062e	0.25	0.375	0.312	60	0.25	60	0.1	360	0.25	60	0.0
950	GOB_062.075e	0.25	0.25	0.25	0	0.25	0	0.1	360	0.25	0	0.0
951	NW_025e	0.25	0.25	0.25	30	0.25	30	0.1	360	0.25	30	0.0
952	B50R_025.012e	0.25	0.125	0.187	300	0.25	300	0.1	360	0.25	300	0.0
953	B50R_025.025e	0.25	0.25	0.125	220	0.25	220	0.1	360	0.25	220	0.0
954	GOB_100.087e	0.125	1.0	0.875	056	0.125	056	0.1	360	0.125	056	0.0
955	GOB_100.100e	0.125	0.875	0.75	0	0.125	0	0.1	360	0.125	0	0.0
956	GOB_075.062e	0.125	0.625	0.437	150	0.125	150	0.1	360	0.125	150	0.0
957	GOB_062.050e	0.125	0.5	0.375	70	0.125	70	0.1	360	0.125	70	0.0
958	GOB_050.037e	0.125	0.375	0.312	30	0.125	30	0.1	360	0.125	30	0.0
959	GOB_037.025e	0.125	0.25	0.187	150	0.125	150	0.1	360	0.125	150	0.0
960	NW_012e	0.125	0.125	0.125	30	0.125	30	0.1	360	0.125	30	0.0
961	B50R_012.012e	0.125	0.125	0.062	300	0.125	300	0.1	360	0.125	300	0.0
962	B50R_012.025e	0.125	0.25	0.062	220	0.125	220	0.1	360	0.125	220	0.0
963	GOB_100.010e	0.0	1.0	0.5	150	0.0	150	0.1	360	0.0	150	0.0
964	GOB_100.025e	0.0	0.875	0.375	70	0.0	70	0.1	360	0.0	70	0.0
965	GOB_075.075e	0.0	0.75	0.312	30	0.0	30	0.1	360	0.0	30	0.0
966	GOB_062.062e	0.0	0.625	0.25	150	0.0	150	0.1	360	0.0	150	0.0
967	GOB_050.050e	0.0	0.5	0.25	70	0.0	70	0.1	360	0.0	70	0.0
968	GOB_037.037e	0.0	0.375	0.187	150	0.0	150	0.1	360	0.0	150	0.0
969	GOB_025.025e	0.0	0.25	0.125	70	0.0	70	0.1	360	0.0	70	0.0
970	GOB_012.012e	0.0	0.125	0.062	30	0.0	30	0.1	360	0.0	30	0.0
971	NW_000e	0.0	0.0	0.0	0	0.0	0	0.1	360	0.0	0	0.0

RE180-7N, Page 31/33-F

TUB-test chart RE18; hue code: H*_e=B00R_e
colors and differences, ΔE*_e

input: *rgb/cmyk* -> *rgbe*
output: transfer to *cmy0e*

delta E* = 15.4

Mean color difference of this page:

<http://130.149.60.45/~farbmatrik/RE18/RE18L0NP.PDF> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 32/33

RE180-7N, Page 32/33-F

TUB-test chart RE18; hue code: H*e=B00Re
colors and differences, ΔE^*

input: *rgb/cmyk* -> *rgbe*
output: transfer to *cmy0e*

n	H*Ch*Fe	rgb-Fe	icL-Fe	hsa-Fe	rgb*Fe	LabCh*Fe	LabCh*Fe	rgb**Fe	DF**Fe	hsa**Fe	rgb**Fe	LabCh**Fe	LabCh**Fe
972	NW 000e	0.0	0.0	0.0	0.0	0.0	23.1	0.0	302.0	1.0	1.0	956	0.0
973	NW 012e	0.125	0.125	0.125	0.125	0.125	23.2	0.0	26.4	1.0	1.0	956	0.0
974	NW 025e	0.25	0.25	0.25	0.25	0.25	23.3	0.0	42.5	1.0	1.0	956	0.0
975	NW 037e	0.375	0.375	0.375	0.375	0.375	23.4	0.0	58.6	1.0	1.0	956	0.0
976	NW 050e	0.5	0.5	0.5	0.5	0.5	23.5	0.0	74.7	1.0	1.0	956	0.0
977	NW 062e	0.625	0.625	0.625	0.625	0.625	23.6	0.0	90.8	1.0	1.0	956	0.0
978	NW 075e	0.75	0.75	0.75	0.75	0.75	23.7	0.0	106.9	1.0	1.0	956	0.0
979	NW 087e	0.875	0.875	0.875	0.875	0.875	23.8	0.0	123.0	1.0	1.0	956	0.0
980	NW 100e	1.0	1.0	1.0	1.0	1.0	23.9	0.0	139.1	1.0	1.0	956	0.0
981	NW 000e	0.0	0.0	0.0	0.0	0.0	24.0	0.0	155.2	1.0	1.0	956	0.0
982	NW 012e	0.125	0.125	0.125	0.125	0.125	24.1	0.0	171.3	1.0	1.0	956	0.0
983	NW 025e	0.25	0.25	0.25	0.25	0.25	24.2	0.0	187.4	1.0	1.0	956	0.0
984	NW 037e	0.375	0.375	0.375	0.375	0.375	24.3	0.0	203.5	1.0	1.0	956	0.0
985	NW 050e	0.5	0.5	0.5	0.5	0.5	24.4	0.0	219.6	1.0	1.0	956	0.0
986	NW 062e	0.625	0.625	0.625	0.625	0.625	24.5	0.0	235.7	1.0	1.0	956	0.0
987	NW 075e	0.75	0.75	0.75	0.75	0.75	24.6	0.0	251.8	1.0	1.0	956	0.0
988	NW 087e	0.875	0.875	0.875	0.875	0.875	24.7	0.0	267.9	1.0	1.0	956	0.0
989	NW 100e	1.0	1.0	1.0	1.0	1.0	24.8	0.0	284.0	1.0	1.0	956	0.0
990	NW 000e	0.0	0.0	0.0	0.0	0.0	24.9	0.0	300.1	1.0	1.0	956	0.0
991	NW 012e	0.125	0.125	0.125	0.125	0.125	25.0	0.0	316.2	1.0	1.0	956	0.0
992	NW 025e	0.25	0.25	0.25	0.25	0.25	25.1	0.0	332.3	1.0	1.0	956	0.0
993	NW 037e	0.375	0.375	0.375	0.375	0.375	25.2	0.0	348.4	1.0	1.0	956	0.0
994	NW 050e	0.5	0.5	0.5	0.5	0.5	25.3	0.0	364.5	1.0	1.0	956	0.0
995	NW 062e	0.625	0.625	0.625	0.625	0.625	25.4	0.0	380.6	1.0	1.0	956	0.0
996	NW 075e	0.75	0.75	0.75	0.75	0.75	25.5	0.0	396.7	1.0	1.0	956	0.0
997	NW 087e	0.875	0.875	0.875	0.875	0.875	25.6	0.0	412.8	1.0	1.0	956	0.0
998	NW 100e	1.0	1.0	1.0	1.0	1.0	25.7	0.0	428.9	1.0	1.0	956	0.0
999	NW 000e	0.0	0.0	0.0	0.0	0.0	25.8	0.0	445.0	1.0	1.0	956	0.0
1000	NW 012e	0.125	0.125	0.125	0.125	0.125	25.9	0.0	461.1	1.0	1.0	956	0.0
1001	NW 025e	0.25	0.25	0.25	0.25	0.25	26.0	0.0	477.2	1.0	1.0	956	0.0
1002	NW 037e	0.375	0.375	0.375	0.375	0.375	26.1	0.0	493.3	1.0	1.0	956	0.0
1003	NW 050e	0.5	0.5	0.5	0.5	0.5	26.2	0.0	509.4	1.0	1.0	956	0.0
1004	NW 062e	0.625	0.625	0.625	0.625	0.625	26.3	0.0	525.5	1.0	1.0	956	0.0
1005	NW 075e	0.75	0.75	0.75	0.75	0.75	26.4	0.0	541.6	1.0	1.0	956	0.0
1006	NW 087e	0.875	0.875	0.875	0.875	0.875	26.5	0.0	557.7	1.0	1.0	956	0.0
1007	NW 100e	1.0	1.0	1.0	1.0	1.0	26.6	0.0	573.8	1.0	1.0	956	0.0
1008	NW 000e	0.0	0.0	0.0	0.0	0.0	26.7	0.0	589.9	1.0	1.0	956	0.0
1009	NW 012e	0.125	0.125	0.125	0.125	0.125	26.8	0.0	606.0	1.0	1.0	956	0.0
1010	NW 025e	0.25	0.25	0.25	0.25	0.25	26.9	0.0	622.1	1.0	1.0	956	0.0
1011	NW 037e	0.375	0.375	0.375	0.375	0.375	27.0	0.0	638.2	1.0	1.0	956	0.0
1012	NW 050e	0.5	0.5	0.5	0.5	0.5	27.1	0.0	654.3	1.0	1.0	956	0.0
1013	NW 062e	0.625	0.625	0.625	0.625	0.625	27.2	0.0	670.4	1.0	1.0	956	0.0
1014	NW 075e	0.75	0.75	0.75	0.75	0.75	27.3	0.0	686.5	1.0	1.0	956	0.0
1015	NW 087e	0.875	0.875	0.875	0.875	0.875	27.4	0.0	702.6	1.0	1.0	956	0.0
1016	NW 100e	1.0	1.0	1.0	1.0	1.0	27.5	0.0	718.7	1.0	1.0	956	0.0
1017	NW 000e	0.0	0.0	0.0	0.0	0.0	27.6	0.0	734.8	1.0	1.0	956	0.0
1018	NW 012e	0.125	0.125	0.125	0.125	0.125	27.7	0.0	750.9	1.0	1.0	956	0.0
1019	NW 025e	0.25	0.25	0.25	0.25	0.25	27.8	0.0	767.0	1.0	1.0	956	0.0
1020	NW 037e	0.375	0.375	0.375	0.375	0.375	27.9	0.0	783.1	1.0	1.0	956	0.0
1021	NW 050e	0.5	0.5	0.5	0.5	0.5	28.0	0.0	799.2	1.0	1.0	956	0.0
1022	NW 062e	0.625	0.625	0.625	0.625	0.625	28.1	0.0	815.3	1.0	1.0	956	0.0
1023	NW 075e	0.75	0.75	0.75	0.75	0.75	28.2	0.0	831.4	1.0	1.0	956	0.0
1024	NW 087e	0.875	0.875	0.875	0.875	0.875	28.3	0.0	847.5	1.0	1.0	956	0.0
1025	NW 100e	1.0	1.0	1.0	1.0	1.0	28.4	0.0	863.6	1.0	1.0	956	0.0
1026	NW 000e	0.0	0.0	0.0	0.0	0.0	28.5	0.0	879.7	1.0	1.0	956	0.0
1027	NW 012e	0.125	0.125	0.125	0.125	0.125	28.6	0.0	895.8	1.0	1.0	956	0.0
1028	NW 025e	0.25	0.25	0.25	0.25	0.25	28.7	0.0	911.9	1.0	1.0	956	0.0
1029	NW 037e	0.375	0.375	0.375	0.375	0.375	28.8	0.0	928.0	1.0	1.0	956	0.0
1030	NW 050e	0.5	0.5	0.5	0.5	0.5	28.9	0.0	944.1	1.0	1.0	956	0.0
1031	NW 062e	0.625	0.625	0.625	0.625	0.625	29.0	0.0	960.2	1.0	1.0	956	0.0
1032	NW 075e	0.75	0.75	0.75	0.75	0.75	29.1	0.0	976.3	1.0	1.0	956	0.0
1033	NW 087e	0.875	0.875	0.875	0.875	0.875	29.2	0.0	992.4	1.0	1.0	956	0.0
1034	NW 100e	1.0	1.0	1.0	1.0	1.0	29.3	0.0	1008.5	1.0	1.0	956	0.0
1035	NW 000e	0.0	0.0	0.0	0.0	0.0	29.4	0.0	1024.6	1.0	1.0	956	0.0
1036	NW 012e	0.125	0.125	0.125	0.125	0.125	29.5	0.0	1040.7	1.0	1.0	956	0.0
1037	NW 025e	0.25	0.25	0.25	0.25	0.25	29.6	0.0	1056.8	1.0	1.0	956	0.0
1038	NW 037e	0.375	0.375	0.375	0.375	0.375	29.7	0.0	1072.9	1.0	1.0	956	0.0
1039	NW 050e	0.5	0.5	0.5	0.5	0.5	29.8	0.0	1089.0	1.0	1.0	956	0.0
1040	NW 062e	0.625	0.625	0.625	0.625	0.625	29.9	0.0	1105.1	1.0	1.0	956	0.0
1041	NW 075e	0.75	0.75	0.75	0.75	0.75	30.0	0.0	1121.2	1.0	1.0	956	0.0
1042	NW 087e	0.875	0.875	0.875	0.875	0.875	30.1	0.0	1137.3	1.0	1.0	956	0.0
1043	NW 100e	1.0	1.0	1.0	1.0	1.0	30.2	0.0	1153.4	1.0	1.0	956	0.0
1044	NW 000e	0.0	0.0	0.0	0.0	0.0	30.3	0.0	1169.5	1.0	1.0	956	0.0
1045	NW 012e	0.125	0.125	0.125	0.125	0.125	30.4	0.0	1185.6	1.0	1.0	956	0.0
1046	NW 025e	0.25	0.25	0.25	0.25	0.25	30.5	0.0	1201.7	1.0	1.0	956	0.0
1047	NW 037e	0.375	0.375	0.375	0.375	0.375	30.6	0.0	1217.8	1.0	1.0	956	0.0
1048	NW 050e	0.5	0.5	0.5	0.5	0.5	30.7	0.0	1233.9	1.0	1.0	956	0.0
1049	NW 062e	0.625	0.625	0.625	0.625	0.625	30.8	0.0	1250.0	1.0	1.0	956	0.0
1050	NW 075e	0.75	0.75	0.75	0.75	0.75	30.9	0.0	1266.1	1.0	1.0	956	0.0
1051	NW 087e	0.875	0.875	0.875	0.875	0.875	31.0	0.0	1282.2	1.0	1.0	956	0.0
1052	NW 100e	1.0	1.0	1.0	1.0	1.0	31.1	0.0	1298.3	1.0	1.0	956	0.0

Mean color difference of this page: $\Delta E^* = 9.2$

n	HC*Fe	rgb_Fe	ic*_Fe	h*_Fe	rgb*_Fe	LabCh*_Fe	LabCh*_Fe	DF*Fe	h*_Fe	rgb*_Fe	LabCh*_Fe
1053	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	3.7	69.9	3.7	360
1054	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	1.5	71.6	1.5	360
1055	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	0.1	114.3	0.1	360
1056	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	6.7	308.5	6.7	360
1057	NW_006e	0.066	0.066	0.066	0.066	0.066	0.066	5.5	6.5	5.5	360
1058	NW_013e	0.133	0.133	0.133	0.133	0.133	0.133	9.0	22.4	9.0	360
1059	NW_020e	0.2	0.2	0.2	0.2	0.2	0.2	11.6	30.4	11.6	360
1060	NW_026e	0.266	0.266	0.266	0.266	0.266	0.266	13.3	40.4	13.3	360
1061	NW_033e	0.333	0.333	0.333	0.333	0.333	0.333	14.0	44.7	14.0	360
1062	NW_040e	0.4	0.4	0.4	0.4	0.4	0.4	14.5	48.4	14.5	360
1063	NW_046e	0.466	0.466	0.466	0.466	0.466	0.466	13.3	48.4	13.3	360
1064	NW_053e	0.533	0.533	0.533	0.533	0.533	0.533	11.0	56.7	11.0	360
1065	NW_060e	0.6	0.6	0.6	0.6	0.6	0.6	8.3	57.5	8.3	360
1066	NW_066e	0.666	0.666	0.666	0.666	0.666	0.666	5.9	62.0	5.9	360
1067	NW_073e	0.734	0.734	0.734	0.734	0.734	0.734	3.6	69.4	3.6	360
1068	NW_080e	0.8	0.8	0.8	0.8	0.8	0.8	1.5	71.7	1.5	360
1069	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	0.1	118.4	0.1	360
1070	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	2.9	299.2	2.9	360
1071	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	0.0	138.7	0.0	360
1072	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	83.9	32.8	83.9	360
1073	ROY_100_100e	1.0	1.0	1.0	1.0	1.0	1.0	18.2	37.5	18.2	375
1074	ROY_100_100e	1.0	1.0	1.0	1.0	1.0	1.0	83.9	32.8	83.9	360
1075	G50B_100_100e	0.0	1.0	0.5	210	0.0	0.5	36.0	83.9	36.0	83.9
1076	G50B_100_100e	1.0	1.0	1.0	0.5	1.0	1.0	36.0	83.9	36.0	83.9
1077	B00R_100_100e	0.0	1.0	1.0	0.5	0.0	1.0	36.0	83.9	36.0	83.9
1078	B00R_100_100e	1.0	1.0	1.0	0.5	1.0	1.0	36.0	83.9	36.0	83.9
1079	B50R_100_100e	1.0	1.0	1.0	0.5	1.0	1.0	36.0	83.9	36.0	83.9

Mean color difference of this page:

delta E* = 10.3

input: *rgb/cmyk* - > *rgbe*
output: transfer to *cmy0e*

TUB-test chart RE18; hue code: H*_e=B00R_e
colors and differences, ΔE*

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