

http://130.149.60.45/~farbmeterik/PE98/PE98L0NP.PDF /.PS; start output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/33

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

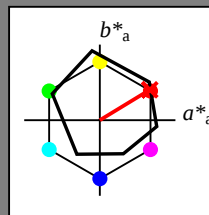
Data for any device (d) or elementary (e) colour:

HIC^*_-

hue text for the colours
of this page:

$H^*_- = R00Y_-$

triangle lightness T^*



ORS18a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{-,Ma}	47.9	65.3	50.5	82.6	37
Y _{-,Ma}	90.3	-10.2	91.7	92.3	96
G _{-,Ma}	50.9	-62.8	34.9	71.9	150
C _{-,Ma}	58.6	-30.3	-45.0	54.2	236
B _{-,Ma}	25.7	31.0	-44.4	54.2	305
M _{-,Ma}	48.1	75.2	-8.3	75.7	353
N _{-,Ma}	18.0	0.0	0.0	0.0	0
W _{-,Ma}	95.4	0.0	0.0	0.0	0
R _{-,CIE}	39.9	58.7	27.9	65.0	25
Y _{-,CIE}	81.2	-2.8	71.5	71.6	92
G _{-,CIE}	52.2	-42.4	13.6	44.5	162
B _{-,CIE}	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}$: 48 66 40 77 31

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

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

1.0 0.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

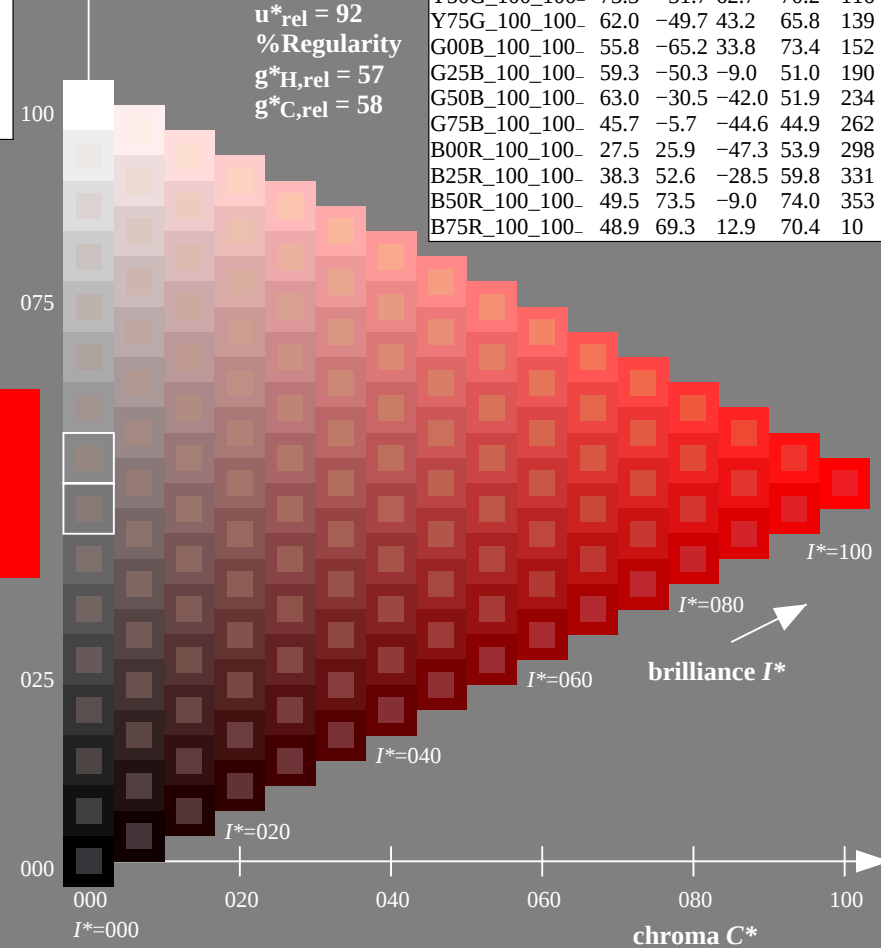
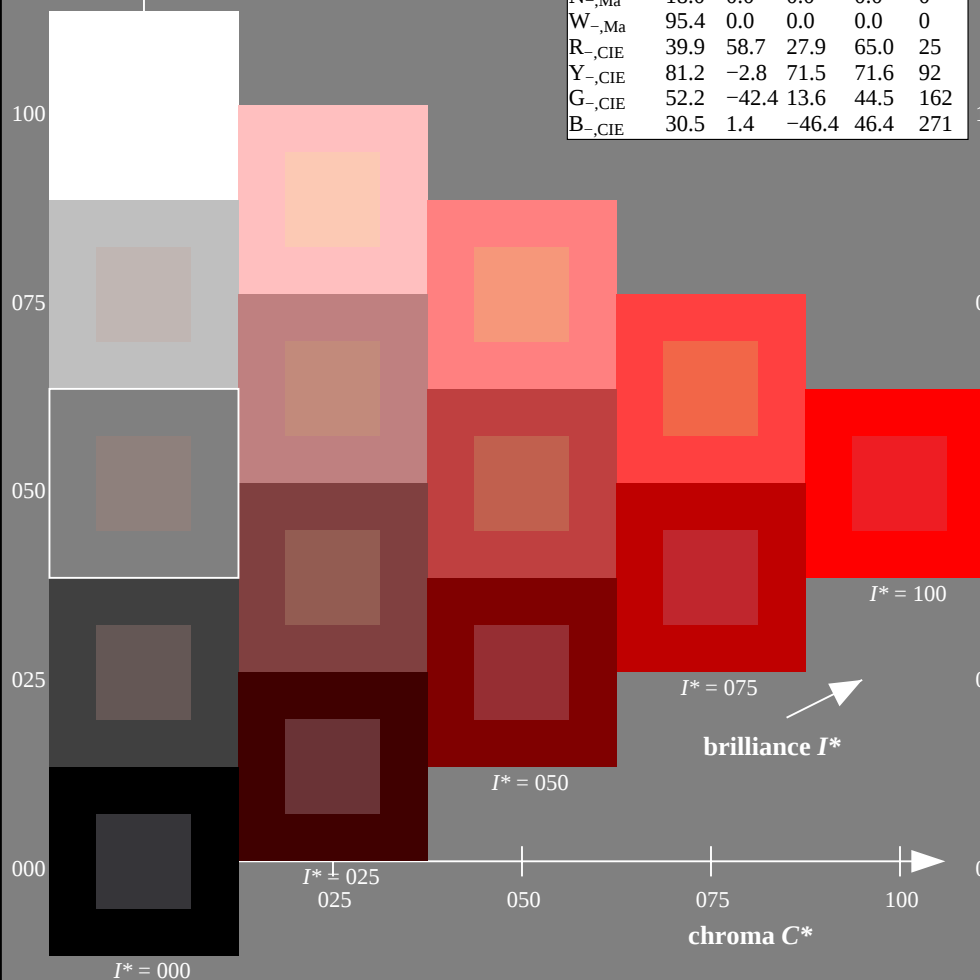
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_-	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_	48.4	66.1	40.2	77.3	31
R25Y_100_100_	56.8	48.0	50.5	69.6	46
R50Y_100_100_	68.6	25.0	63.9	68.6	68
R75Y_100_100_	80.6	4.8	77.2	77.3	86
Y00G_100_100_	90.2	-9.6	88.2	88.7	96
Y25G_100_100_	83.2	-18.4	79.9	81.9	102
Y50G_100_100_	73.3	-31.7	62.7	70.2	116
Y75G_100_100_	62.0	-49.7	43.2	65.8	139
G00B_100_100_	55.8	-65.2	33.8	73.4	152
G25B_100_100_	59.3	-50.3	-9.0	51.0	190
G50B_100_100_	63.0	-30.5	-42.0	51.9	234
G75B_100_100_	45.7	-5.7	-44.6	44.9	262
B00R_100_100_	27.5	25.9	-47.3	53.9	298
B25R_100_100_	38.3	52.6	-28.5	59.8	331
B50R_100_100_	49.5	73.5	-9.0	74.0	353
B75R_100_100_	48.9	69.3	12.9	70.4	10



TUB-test chart PE98; hue code: $H^*_- = R00Y_-$
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 $h_{ab,a,rel} = h_{ab}/360 = 25/360 = 0.07$

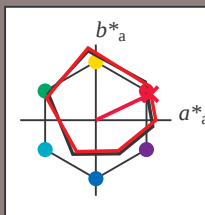
Data for any device (d) or elementary (e) colour:

HIC_e^*

hue text for the colours of this page:

$H_e^* = R00Y_e$

triangle lightness T^*



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):

$LabCh_e^*, Ma: 45\ 72\ 34\ 80\ 25$

$HIC_e^*, Ma: R00Y_{100\ 100_e}$

$rgbic_e^*, Ma:$

1.0 0.0 0.25 1.0 1.0

triangle lightness T^*

% Gamut

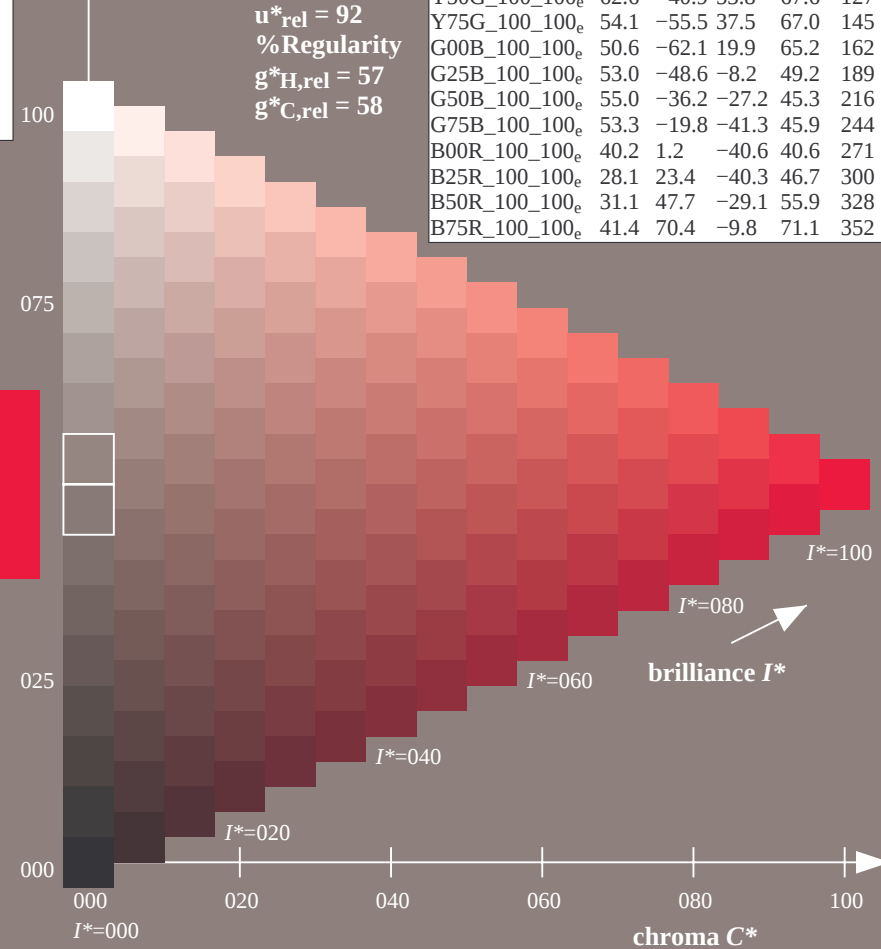
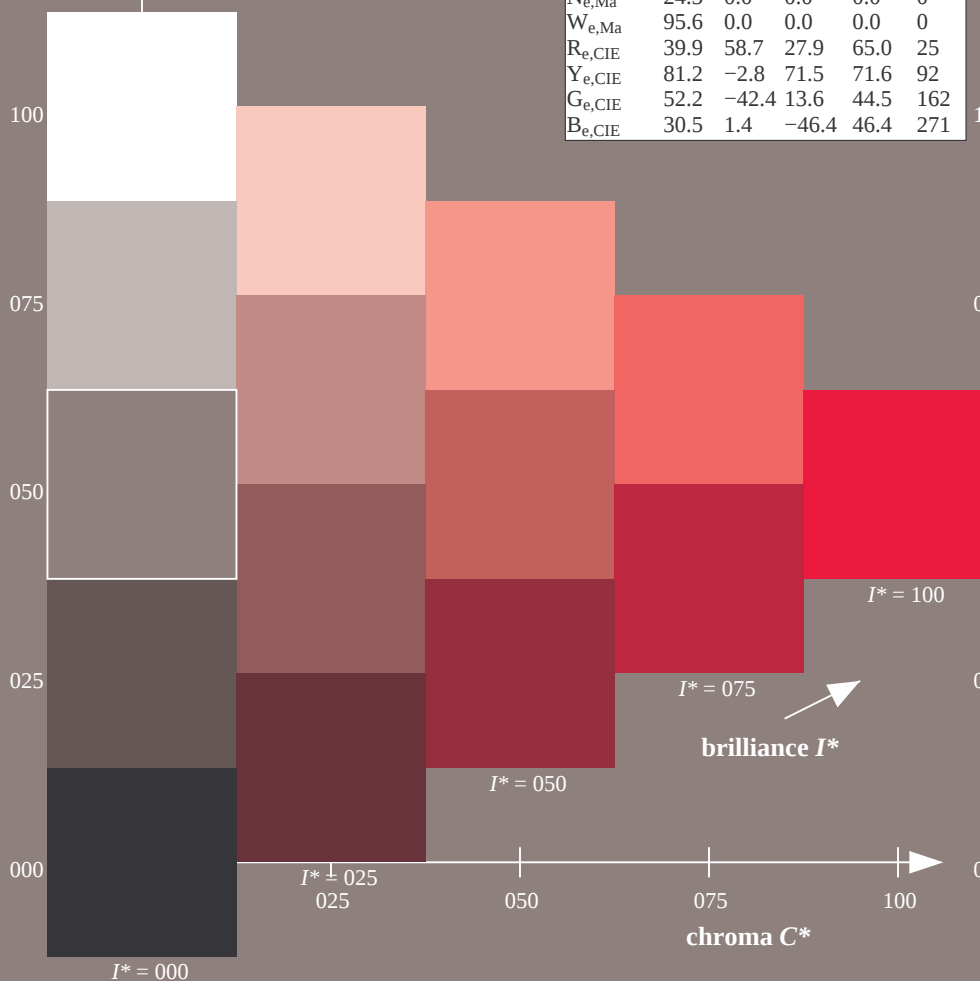
$u_{rel}^* = 92$

% Regularity

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

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

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



1-013131-L0 PE980-71

TUB-test chart PE98; hue code: $H_e^* = R00Y_e$
 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 $h_{ab,a,rel} = h_{ab}/360 = 25/360 = 0.07$

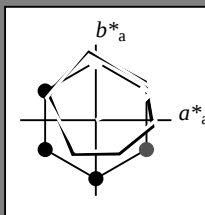
Data for any device (d) or elementary (e) colour:

HIC_e^*

hue text for the colours of this page:

$H_e^* = R00Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
$R_{e,Ma}$	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):

$LabCh_e^*, Ma: 45\ 72\ 34\ 80\ 25$

$HIC_e^*, Ma: R00Y_{100\ 100_e}$

$rgbic_e^*, Ma:$

1.0 0.0 0.25 1.0 1.0

triangle lightness T^*

% Gamut

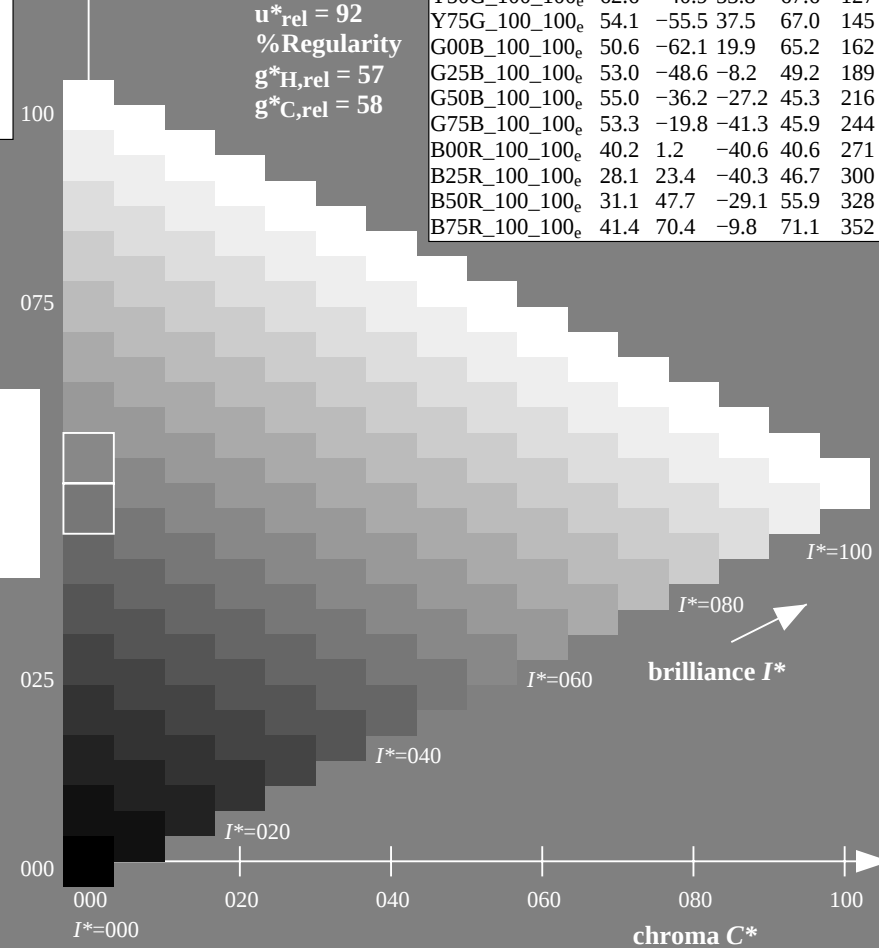
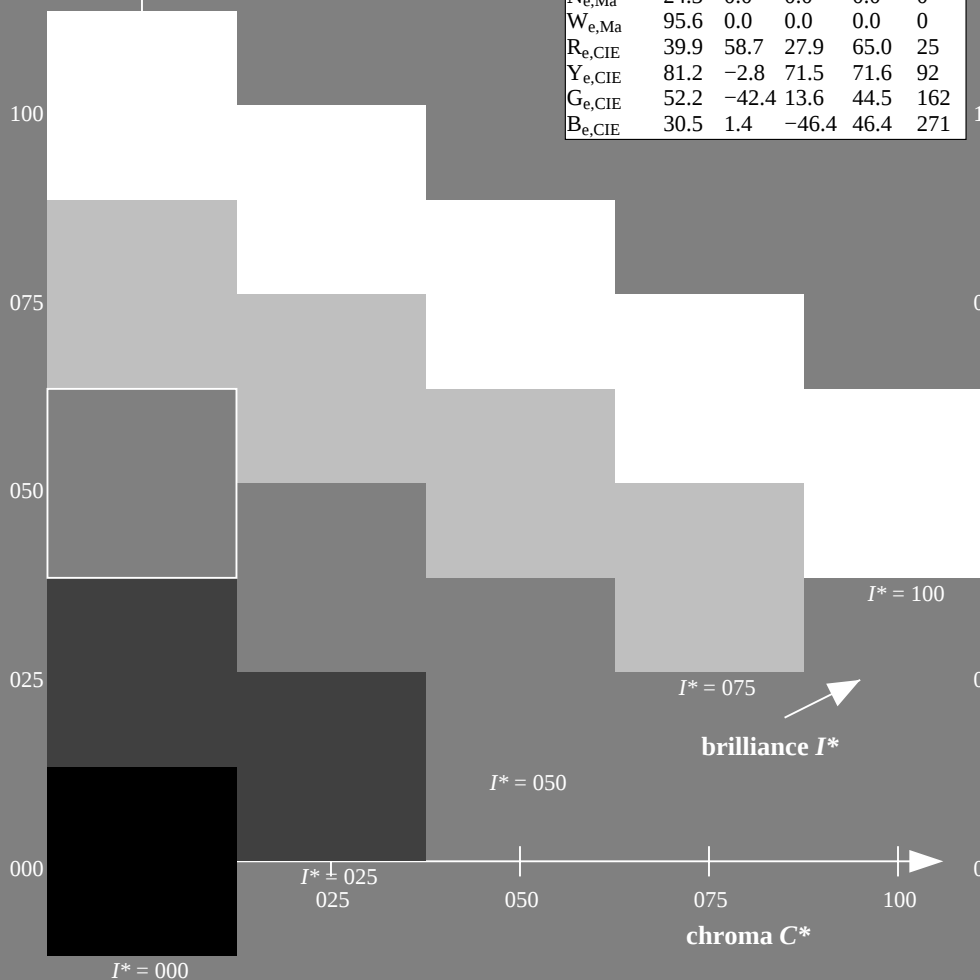
$u_{rel}^* = 92$

% 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 PE980-71

TUB-test chart PE98; hue code: $H_e^* = R00Y_e$
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 $h_{ab,a,rel} = h_{ab}/360 = 25/360 = 0.07$

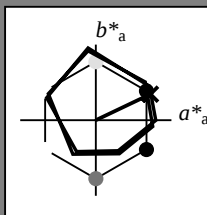
Data for any device (d) or elementary (e) colour:

HIC_e^*

hue text for the colours of this page:

$H_e^* = R00Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
$R_{e,Ma}$	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
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$B_{e,Ma}$	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):

$LabCh_e^*, Ma: 45\ 72\ 34\ 80\ 25$

$HIC_e^*, Ma: R00Y_{100\ 100_e}$

$rgbic_e^*, Ma:$

1.0 0.0 0.25 1.0 1.0

triangle lightness T^*

% Gamut

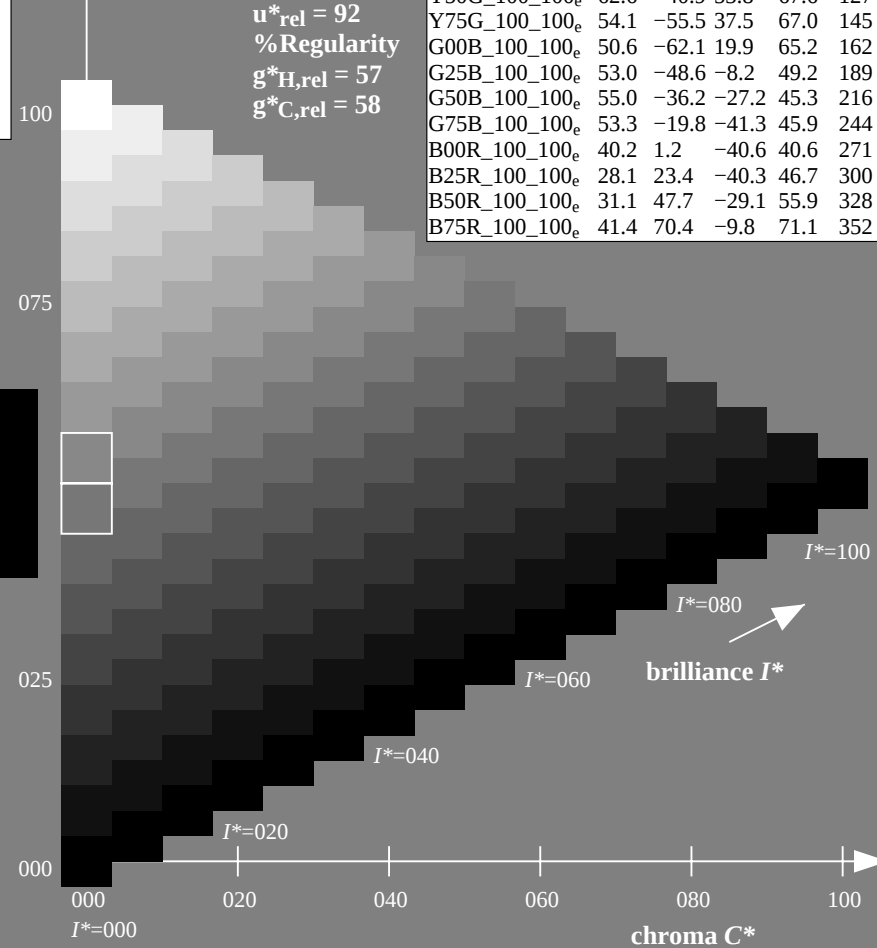
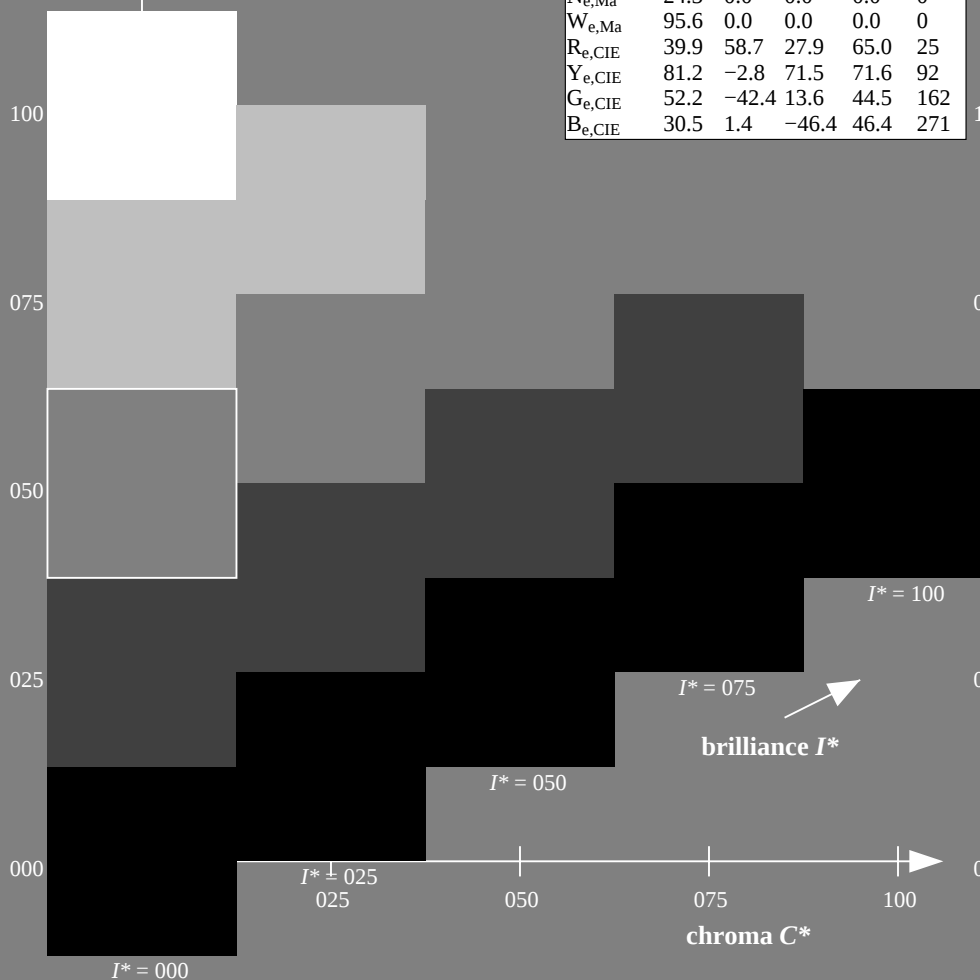
$u_{rel}^* = 92$

% 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



1-013331-L0 PE980-71

TUB-test chart PE98; hue code: $H_e^* = R00Y_e$
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 $h_{ab,a,rel} = h_{ab}/360 = 25/360 = 0.07$

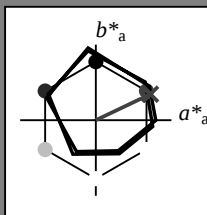
Data for any device (d) or elementary (e) colour:

HIC_e^*

hue text for the colours of this page:

$H_e^* = R00Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
$R_{e,Ma}$	45.6	72.2	34.4	80.0	25
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$N_{e,Ma}$	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):

$LabCh_e^*, Ma: 45\ 72\ 34\ 80\ 25$

$HIC_e^*, Ma: R00Y_{100\ 100_e}$

$rgbic_e^*, Ma:$

1.0 0.0 0.25 1.0 1.0

triangle lightness T^*

% Gamut

$u_{rel}^* = 92$

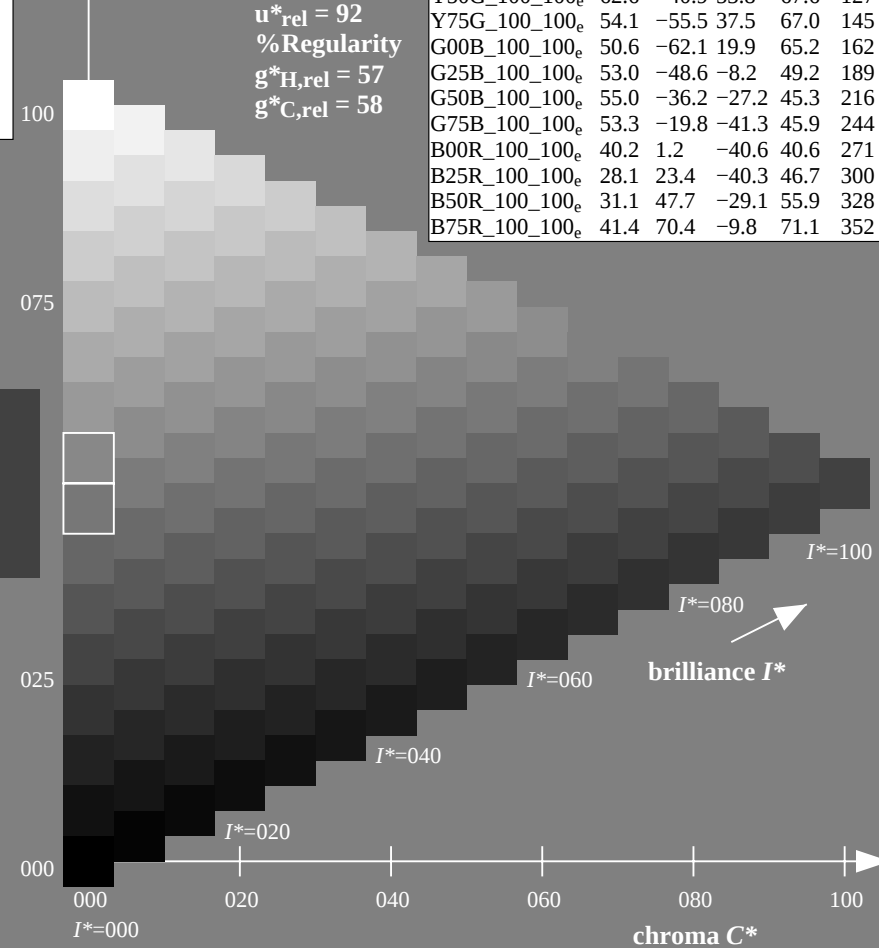
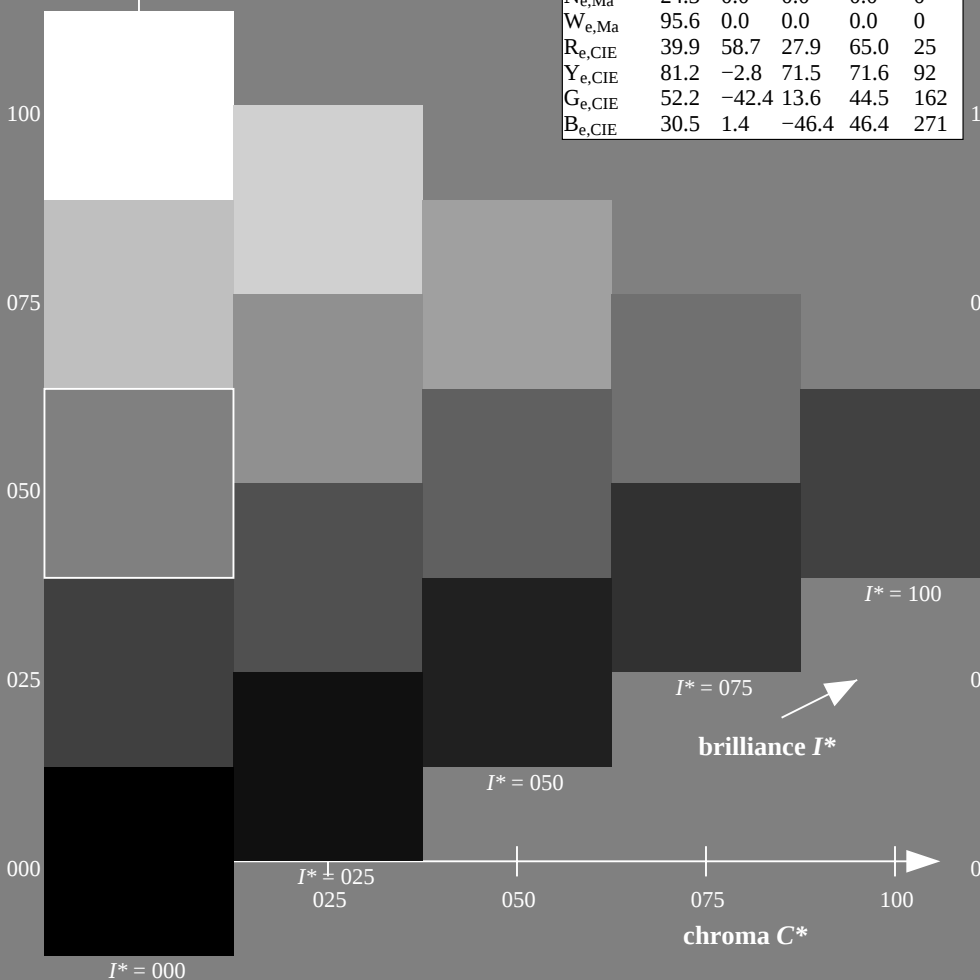
% Regularity

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

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

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



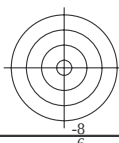
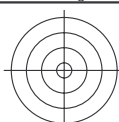
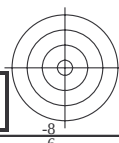
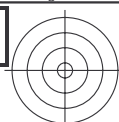
1-013431-L0 PE980-71

TUB-test chart PE98; hue code: $H_e^* = R00Y_e$

Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb_e$

output: transfer to $cmy0_e$

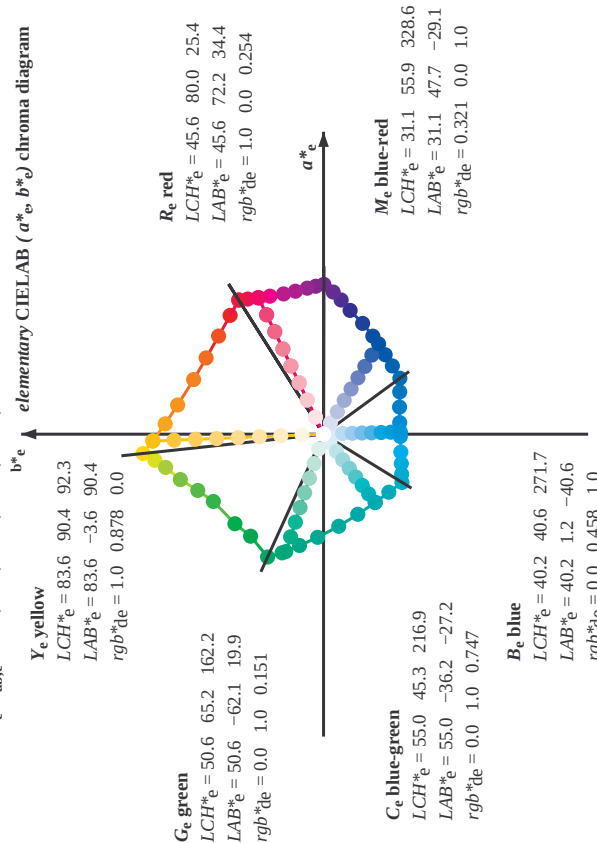
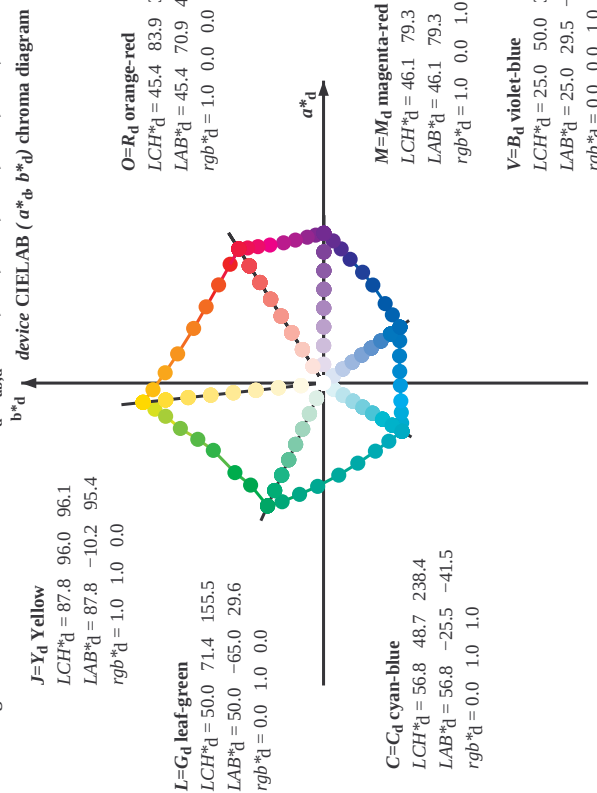


1-013531-L0 PE980-71

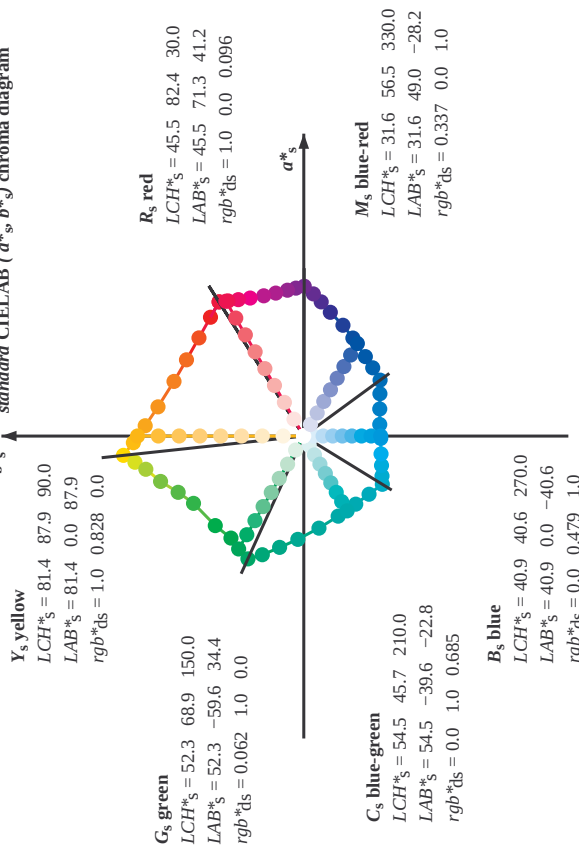
TUB-test chart PE98; hue code: $H^*_e=R00Y_e$
Test chart according to DIN 33872, 3D=0, $de=1$, $cmy0$

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

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



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



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

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

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

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

$$h_{360ab,sij} = h_{ab,si} + j \cdot [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
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:

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

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

1-013631-L0 PE980-71 LAB*_{ab}0, YN=0%, XY Z_{nm}=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*_{nm}=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

TUB-test chart PE98; hue code: H*_e=R00Y_e
48 step hue circles; $rgb-LabCh$ -tables

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

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

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; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$; 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; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$			Six hue angles of the 60 degree standard colours RYGBCM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$		
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4
46.8	45.0	42.1	1.0	0.25	0.0	51.9	55.5	76.0
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8
92.1	82.5	83.9	1.0	0.875	0.0	83.4	-3.4	90.2
96.1	90.0	92.3	1.0	1.0	0.0	87.8	-10.2	95.4
98.8	97.5	101.0	1.0	0.875	1.0	84.3	-13.9	89.2
101.8	105.0	109.7	1.0	0.75	1.0	80.7	-17.5	83.5
107.6	112.5	118.5	1.0	0.625	1.0	75.3	-24.0	75.7
114.0	120.0	127.2	1.0	0.5	1.0	70.6	-29.7	66.5
121.4	127.5	136.0	1.0	0.375	1.0	65.7	-35.6	58.3
135.3	135.0	144.7	1.0	0.25	1.0	58.4	-47.3	46.8
144.4	142.5	153.4	1.0	0.125	1.0	54.7	-53.9	38.5
155.5	150.0	162.2	1.0	0.0	1.0	50.0	-65.0	29.6
160.7	157.5	169.0	1.0	0.125	0.0	50.2	-62.8	21.9
167.7	165.0	175.9	1.0	0.25	0.1	51.2	-58.9	12.7
176.7	172.5	182.7	1.0	0.375	0.2	52.0	-54.5	3.1
189.3	180.0	189.6	1.0	0.5	0.5	52.9	-48.6	-8.0
203.2	187.5	196.4	1.0	0.625	0.8	54.0	-42.3	-18.1
217.2	195.0	203.2	1.0	0.75	1.0	55.0	-36.0	-27.4
228.3	202.5	210.1	1.0	0.875	1.0	55.8	-30.7	-34.5
238.4	210.0	216.9	1.0	1.0	1.0	56.8	-25.5	-41.5
242.9	217.5	223.8	1.0	0.875	1.0	54.1	-21.1	-41.3
249.3	225.0	230.6	1.0	0.75	1.0	50.4	-15.5	-41.1
256.9	232.5	237.5	1.0	0.625	1.0	46.5	-9.4	-40.8
268.2	240.0	244.3	1.0	0.5	1.0	41.7	-1.2	-40.6
278.6	247.5	251.2	1.0	0.375	1.0	37.3	6.1	-40.2
289.6	255.0	258.0	1.0	0.25	1.0	32.8	14.3	-40.2
299.0	262.5	264.8	1.0	0.125	1.0	28.6	22.4	-40.2
306.2	270.0	271.7	1.0	0.0	1.0	25.9	29.5	-40.4
314.7	277.5	278.8	1.0	0.125	0.0	27.9	36.0	-36.4
322.1	285.0	285.9	1.0	0.25	0.0	28.8	41.9	-32.5
333.3	292.5	293.0	1.0	0.375	0.0	32.7	51.8	-26.0
340.5	300.0	300.1	1.0	0.5	0.0	35.6	58.6	-20.7
347.9	307.5	307.2	1.0	0.625	0.0	38.1	65.4	-14.0
352.5	315.0	314.3	1.0	0.75	0.0	41.8	71.0	-9.2
356.1	322.5	321.4	1.0	0.875	0.0	44.2	75.2	-5.0
359.8	330.0	328.6	1.0	1.0	0.0	46.1	79.3	-0.2
363.0	337.5	335.7	1.0	0.875	0.0	45.9	78.2	4.1
366.4	345.0	342.8	1.0	0.75	0.0	45.9	77.1	8.6
371.1	352.5	349.9	1.0	0.625	0.0	46.0	75.6	14.8
381.2	367.5	364.1	1.0	0.5	0.0	45.9	74.2	21.1
385.6	375.0	371.2	1.0	0.375	0.0	45.8	72.9	28.3
389.3	382.5	378.3	1.0	0.25	0.0	45.5	71.4	40.1
392.3	390.0	385.4	1.0	0.125	0.0	45.4	70.9	44.8
392.3	390.0	385.4	1.0	0.0	0.0	45.4	70.9	44.8

1-013831-L0 PE980-71 LAB*la0, YN=0%, XYZnw=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

TUB-test chart PE98; hue code: H*e=R00Ye
48 step hue circles; rgb-LabCh*tables

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

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

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 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; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																					
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	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}	
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	125	133	0.416	1.0	0.0	67.3	-33.8	61.0	69.8	119	0.343	1.0	0.0	63.8	-38.8	55.6	67.9	125	0.417	1.0	0.0
120	127	135	0.383	1.0	0.0	66.7	-34.5	59.9	69.2	120	0.334	1.0	0.0	63.3	-39.7	54.8	67.8	126	0.4	1.0	0.0
121	128	136	0.366	1.0	0.0	66.0	-35.2	58.8	68.6	121	0.325	1.0	0.0	62.8	-40.6	54.0	67.6	127	0.383	1.0	0.0
122	129	137	0.35	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
123	130	138	0.333	1.0	0.0	64.2	-38.2	56.2	67.9	123	0.307	1.0	0.0	61.7	-42.3	52.4	67.4	129	0.35	1.0	0.0
124	131	139	0.31	1.0	0.0	63.2	-39.8	54.7	67.7	124	0.298	1.0	0.0	61.2	-43.1	51.5	67.3	130	0.333	1.0	0.0
125	132	140	0.283	1.0	0.0	62.3	-41.4	53.2	67.5	125	0.289	1.0	0.0	60.7	-44.0	50.7	67.2	131	0.317	1.0	0.0
126	133	141	0.266	1.0	0.0	61.3	-43.0	51.7	67.3	126	0.28	1.0	0.0	60.2	-44.8	49.8	67.0	132	0.3	1.0	0.0
127	134	142	0.243	1.0	0.0	60.3	-44.5	50.1	67.0	127	0.271	1.0	0.0	59.6	-45.5	48.9	66.9	133	0.283	1.0	0.0
128	135	143	0.226	1.0	0.0	59.3	-45.9	48.5	66.8	128	0.262	1.0	0.0	59.1	-46.3	48.0	66.8	134	0.267	1.0	0.0
129	136	144	0.21	1.0	0.0	58.4	-47.3	46.8	66.6	129	0.253	1.0	0.0	58.6	-47.0	47.1	66.7	135	0.25	1.0	0.0
130	137	145	0.196	1.0	0.0	57.9	-48.3	45.8	66.5	130	0.241	1.0	0.0	58.1	-47.8	46.3	66.6	136	0.233	1.0	0.0
131	138	146	0.183	1.0	0.0	57.4	-49.2	44.7	66.5	131	0.227	1.0	0.0	57.7	-48.6	45.4	66.6	137	0.217	1.0	0.0
132	139	147	0.17	1.0	0.0	56.9	-50.1	43.6	66.5	132	0.213	1.0	0.0	57.3	-49.4	44.5	66.6	138	0.2	1.0	0.0
133	140	148	0.156	1.0	0.0	56.4	-51.0	42.5	66.4	133	0.2	1.0	0.0	56.9	-50.1	43.6	66.5	139	0.183	1.0	0.0
134	141	149	0.143	1.0	0.0	55.9	-51.9	41.4	66.4	134	0.186	1.0	0.0	56.5	-50.8	42.7	66.5	140	0.167	1.0	0.0
135	142	150	0.13	1.0	0.0	55.4	-52.7	40.3	66.4	135	0.172	1.0	0.0	56.1	-51.6	41.8	66.5	141	0.15	1.0	0.0
136	143	151	0.116	1.0	0.0	54.9	-53.5	39.1	66.3	136	0.159	1.0	0.0	55.7	-52.3	40.9	66.4	142	0.133	1.0	0.0
137	144	152	0.103	1.0	0.0	54.4	-54.7	38.0	66.6	137	0.145	1.0	0.0	55.3	-52.9	40.0	66.4	143	0.117	1.0	0.0
138	145	153	0.088	1.0	0.0	53.7	-56.2	37.0	67.3	138	0.131	1.0	0.0	54.9	-53.6	39.0	66.4	144	0.1	1.0	0.0
139	146	154	0.075	1.0	0.0	53.1	-57.7	35.9	68.0	139	0.119	1.0	0.0	54.5	-54.5	38.2	66.6	145	0.083	1.0	0.0
140	147	155	0.066	1.0	0.0	52.5	-59.2	34.7	68.7	140	0.107	1.0	0.0	54.1	-55.5	37.5	67.1	146	0.067	1.0	0.0
141	148	156	0.059	1.0	0.0	51.9	-60.7	33.5	69.4	141	0.096	1.0	0.0	53.7	-56.5	36.8	67.5	147	0.05	1.0	0.0
142	149	157	0.053	1.0	0.0	51.3	-62.2	32.2	70.0	142	0.085	1.0	0.0	53.2	-57.6	36.0	68.0	148	0.033	1.0	0.0
143	150	158	0.048	1.0	0.0	50.6	-63.6	30.9	70.7	143	0.074	1.0	0.0	52.8	-58.6	35.3	68.4	149	0.017	1.0	0.0
144	151	159	0.043	1.0	0.0	50.0	-65.0	29.6	71.4	144	0.062	1.0	0.0	52.4	-59.6	34.5	68.9	150	0.0	1.0	0.0
145	152	160	0.038	1.0	0.0	49.4	-66.4	28.5	72.0	145	0.051	1.0	0.0	52.0	-60.6	33.6	69.4	151	0.0	1.0	0.0
146	153	161	0.033	1.0	0.0	48.8	-67.8	27.4	72.6	146	0.04	1.0	0.0	51.5	-61.6	32.8	69.8	152	0.0	1.0	0.0
147	154	162	0.028	1.0	0.0	48.2	-69.2	26.4	73.2	147	0.028	1.0	0.0	51.1	-62.5	31.9	70.3	153	0.0	1.0	0.0
148	155	163	0.023	1.0	0.0	47.6	-70.6	25.4	73.8	148	0.017	1.0	0.0	50.7	-63.5	31.0	70.7	154	0.0	1.0	0.0
149	156	164	0.018	1.0	0.0	47.0	-72.0	24.4	74.4	149	0.006	1.0	0.0	50.3	-64.4	30.1	71.2	155	0.0	1.0	0.0
150	157	165	0.013	1.0	0.0	46.4	-73.4	23.4	75.0	150	0.0	1.0	0.0	50.0	-65.3	29.0	71.8	156	0.0	1.0	0.0
151	158	166	0.008	1.0	0.0	45.8	-74.8	22.4	75.6	151	0.0	1.0	0.0	49.6	-66.2	28.0	72.4	157	0.0	1.0	0.0
152	159	167	0.003	1.0	0.0	45.2	-76.2	21.4	76.2	152	0.0	1.0	0.0	49.2	-67.1	27.0	73.0	158	0.0	1.0	0.0
153	160	168	0.001	1.0	0.0	44.6	-77.6	20.4	76.8	153	0.0	1.0	0.0	48.8	-68.0	26.0	73.6	159	0.0	1.0	0.0
154	161	169	0.0	1.0	0.0	44.0	-79.0	19.4	77.4	154	0.0	1.0	0.0	48.4	-68.9	25.0	74.2	160	0.0	1.0	0.0
155	162	170	0.0	1.0	0.0	43.4	-80.4	18.4	78.0	155	0.0	1.0	0.0	48.0	-69.8	24.0	74.8	161	0.0	1.0	0.0
156	163	171	0.0	1.0	0.0	42.8	-81.8	17.4	78.6	156	0.0	1.0	0.0	47.6	-70.7	23.0	75.4	162	0.0	1.0	0.0
157	164	172	0.0	1.0	0.0	42.2	-83.2	16.4	79.2	157	0.0	1.0	0.0	47.2	-71.6	22.0	76.0	163	0.0	1.0	0.0
158	165	173	0.0	1.0	0.0	41.6	-84.6	15.4	79.8	158	0.0	1.0	0.0	46.8	-72.5	21.0	76.6	164	0.0	1.0	0.0
159	166	174	0.0	1.0	0.0	41.0	-86.0	14.4	80.4	159	0.0	1.0	0.0	46.4	-73.4	20.0	77.2	165	0.0	1.0	0.0
160	167	175	0.0	1.0	0.0	40.4	-87.4	13.4	81.0	160	0.0	1.0	0.0	46.0	-74.3	19.0	77.8	166	0.0	1.0	0.0
161	168	176	0.0	1.0	0.0	39.8	-88.8	12.4	81.6	161	0.0	1.0	0.0	45.6	-75.2	18.0	78.4	167	0.0	1.0	0.0
162	169	177	0.0	1.0	0.0	39.2	-90.2	11.4	82.2	162	0.0	1.0	0.0	45.2	-76.1	17.0	79.0	168	0.0	1.0	0.0
163	170	178	0.0	1.0	0.0	38.6	-91.6	10.4	82.8	163	0.0	1.0	0.0	44.8	-77.0	16.0	79.6	169	0.0	1.0	0.0
164	171	179	0.0	1.0	0.0	38.0	-93.0	9.4	83.4	164	0.0	1.0	0.0	44.4	-77.9	15.0	80.2	170	0.0	1.0	0.0
165	172	180	0.0	1.0	0.0	37.4	-94.4	8.4	84.0	165	0.0	1.0	0.0	44.0	-78.8	14.0	80.8	171	0.0	1.0	0.0
166	173	181	0.0	1.0	0.0	36.8	-95.8	7.4	84.6	166	0.0	1.0	0.0	43.6	-79.7	13.0	81.4	172	0.0	1.0	0.0
167	174	182	0.0	1.0	0.0	36.2	-97.2	6.4	85.2	167	0.0	1.0	0.0	43.2	-80.6	12.0	82.0	173	0.0	1.0	0.0
168	175	183	0.0	1.0	0.0	35.6	-98.6	5.4	85.8	168	0.0	1.0	0.0	42.8	-81.5	11.0	82.6	174	0.0	1.0	0.0
169	176	184	0.0	1.0	0.0	35.0	-100.0	4.4	86.4	169	0.0	1.0	0.0	42.4	-82.4	10.0	83.2	175	0.0	1.0	0.0
170	177	185	0.0	1.0	0.0	34.4	-101.4	3.4	87.0	170	0.0	1.0	0.0	42.0	-83.3	9.0	83.8	176	0.0	1.0	0.0
171	178	186	0.0	1.0	0.0	33.8	-102.8	2.4	87.6	171	0.0	1.0	0.0	41.6	-84.2	8.0	84.4	177	0.0	1.0	0.0
172	179	187	0.0	1.0	0.0	33.2	-104.2	1.4	88.2	172	0.0	1.0	0.0	41.2	-85.1	7.0	85.0	178	0.0	1.0	0.0
173	180	188																			

nj	HC*Fe	rgb_Fe	icr_Fe	hs_Fe	LabCh*Fe	rgb*Fe	LabCh*Fe	DF*Fe	hs_Me	rgb*Me	LabCh*Me	DF*Me	hs_Me
0/648	R00Y_100_100e	1.0	0.0	0.0	45.6	0.0	0.254	32.3	38.3	1.0	0.0	10.5	37.5
1/657	R13Y_100_100e	1.0	0.125	0.0	46.0	0.0	0.166	38.1	8.2	1.0	0.02	8.2	31
2/666	R25Y_100_100e	1.0	0.25	0.0	50.5	0.0	0.166	46.8	8.8	1.0	0.02	8.8	38
3/675	R38Y_100_100e	1.0	0.375	0.0	55.3	0.0	0.288	56.9	10.0	1.0	0.166	10.0	46
4/684	R50Y_100_100e	1.0	0.5	0.0	60.2	0.0	0.396	64.9	11.6	1.0	0.396	11.6	53
5/693	R63Y_100_100e	1.0	0.625	0.0	65.3	0.0	0.508	78.6	16.4	1.0	0.508	16.4	64
6/702	R75Y_100_100e	1.0	0.75	0.0	70.9	0.0	0.604	86.2	16.3	1.0	0.604	16.3	66
7/711	R88Y_100_100e	1.0	0.875	0.0	76.7	0.0	0.721	90.2	15.4	1.0	0.721	15.4	74
8/720	Y00C_100_100e	1.0	0.0	0.5	83.6	0.0	0.878	96.1	9.3	1.0	0.878	9.3	83
9/639	Y13C_100_100e	0.875	1.0	0.0	82.4	0.0	0.878	98.2	9.8	1.0	0.878	9.8	84
10/658	Y25C_100_100e	0.75	1.0	0.0	74.5	0.0	0.878	101.8	13.4	1.0	0.878	13.4	113
11/477	Y38C_100_100e	0.625	1.0	0.0	68.0	0.0	0.878	107.6	17.7	1.0	0.878	17.7	124
12/396	Y50C_100_100e	0.5	1.0	0.0	62.6	0.0	0.878	114.0	18.7	1.0	0.878	18.7	131
13/315	Y63C_100_100e	0.375	1.0	0.0	57.8	0.0	0.878	121.4	19.5	1.0	0.878	19.5	137
14/234	Y75C_100_100e	0.25	1.0	0.0	54.1	0.0	0.878	135.3	13.0	1.0	0.878	13.0	144
15/153	Y88C_100_100e	0.125	1.0	0.0	50.6	0.0	0.878	144.4	12.9	1.0	0.878	12.9	149
16/72	G00C_100_100e	0.0	1.0	0.0	50.6	0.0	0.878	155.5	10.1	1.0	0.878	10.1	158
17/73	G13C_100_100e	0.0	1.0	0.125	51.3	0.0	0.878	160.7	10.9	1.0	0.878	10.9	164
18/74	G25C_100_100e	0.0	1.0	0.25	51.8	0.0	0.878	167.7	8.6	1.0	0.878	8.6	170
19/75	G38C_100_100e	0.0	1.0	0.375	52.4	0.0	0.878	176.7	5.7	1.0	0.878	5.7	175
20/76	G50C_100_100e	0.0	1.0	0.5	53.0	0.0	0.878	189.3	0.2	1.0	0.878	0.2	184
21/77	G63C_100_100e	0.0	1.0	0.625	53.5	0.0	0.878	203.2	5.3	1.0	0.878	5.3	188
22/78	G75C_100_100e	0.0	1.0	0.75	54.1	0.0	0.878	217.2	10.4	1.0	0.878	10.4	188
23/79	G88C_100_100e	0.0	1.0	0.875	54.5	0.0	0.878	228.3	14.2	1.0	0.878	14.2	192
24/80	C00B_100_100e	0.0	1.0	0.0	56.8	0.0	0.878	238.4	17.9	1.0	0.878	17.9	195
25/81	C13B_100_100e	0.0	1.0	0.125	57.5	0.0	0.878	242.9	15.7	1.0	0.878	15.7	200
26/62	C25B_100_100e	0.0	1.0	0.25	58.0	0.0	0.878	249.3	16.5	1.0	0.878	16.5	204
27/63	C38B_100_100e	0.0	1.0	0.375	58.6	0.0	0.878	256.9	19.6	1.0	0.878	19.6	209
28/44	C50B_100_100e	0.0	1.0	0.5	59.3	0.0	0.878	268.2	21.9	1.0	0.878	21.9	218
29/35	C63B_100_100e	0.0	1.0	0.625	59.8	0.0	0.878	278.6	23.0	1.0	0.878	23.0	226
30/26	C75B_100_100e	0.0	1.0	0.75	60.2	0.0	0.878	289.6	25.7	1.0	0.878	25.7	233
31/17	C88B_100_100e	0.0	1.0	0.875	60.6	0.0	0.878	299.0	29.4	1.0	0.878	29.4	237
32/8	B00M_100_100e	0.0	1.0	0.0	40.2	1.0	0.458	306.2	32.1	1.0	0.458	32.1	242
33/89	B13M_100_100e	0.125	1.0	0.0	37.4	1.0	0.458	314.7	31.8	1.0	0.458	31.8	248
34/170	B25M_100_100e	0.25	1.0	0.0	34.7	1.0	0.458	322.1	32.6	1.0	0.458	32.6	252
35/251	B38M_100_100e	0.375	1.0	0.0	31.5	1.0	0.458	330.3	37.9	1.0	0.458	37.9	258
36/332	B50M_100_100e	0.5	1.0	0.0	28.1	1.0	0.458	343.5	40.9	1.0	0.458	40.9	264
37/413	B63M_100_100e	0.625	1.0	0.0	25.5	1.0	0.458	347.9	44.9	1.0	0.458	44.9	271
38/494	B75M_100_100e	0.75	1.0	0.0	22.9	1.0	0.458	352.5	45.8	1.0	0.458	45.8	277
39/575	B88M_100_100e	0.875	1.0	0.0	20.8	1.0	0.458	356.1	45.9	1.0	0.458	45.9	283
40/656	M00R_100_100e	1.0	0.0	0.5	31.1	0.0	0.875	359.8	45.3	1.0	0.875	45.3	288
41/655	M13R_100_100e	1.0	0.0	0.875	33.5	0.0	0.875	363.0	39.9	1.0	0.875	39.9	293
42/654	M25R_100_100e	1.0	0.0	1.0	36.0	0.0	0.875	366.4	34.5	1.0	0.875	34.5	301
43/653	M38R_100_100e	1.0	0.0	1.0	39.3	0.0	0.875	371.1	29.3	1.0	0.875	29.3	310
44/652	M50R_100_100e	1.0	0.0	1.0	41.4	0.0	0.875	375.9	31.5	1.0	0.875	31.5	315
45/651	M63R_100_100e	1.0	0.0	1.0	40.9	0.0	0.875	381.2	27.6	1.0	0.875	27.6	332
46/650	M75R_100_100e	1.0	0.0	1.0	37.6	0.0	0.875	385.6	16.7	1.0	0.875	16.7	349
47/649	M88R_100_100e	1.0	0.0	1.0	34.4	0.0	0.875	389.3	16.7	1.0	0.875	16.7	362
48/648	R00Y_100_100e	1.0	0.0	0.5	45.6	0.0	0.254	392.3	10.5	1.0	0.254	10.5	375
49/0	NW_00e	0.0	0.0	0.0	0.0	0.0	0.0	398.1	83.6	1.0	0.0	83.6	360
50/91	NW_01e	0.125	0.0	0.0	0.0	0.0	0.0	398.1	83.6	1.0	0.0	83.6	360
51/182	NW_02e	0.25	0.0	0.0	0.0	0.0	0.0	398.1	83.6	1.0	0.0	83.6	360
52/273	NW_03e	0.375	0.0	0.0	0.0	0.0	0.0	398.1	83.6	1.0	0.0	83.6	360
53/364	NW_04e	0.5	0.0	0.0	0.0	0.0	0.0	398.1	83.6	1.0	0.0	83.6	360
54/455	NW_05e	0.625	0.0	0.0	0.0	0.0	0.0	398.1	83.6	1.0	0.0	83.6	360
55/546	NW_06e	0.75	0.0	0.0	0.0	0.0	0.0	398.1	83.6	1.0	0.0	83.6	360
56/637	NW_07e	0.875	0.0	0.0	0.0	0.0	0.0	398.1	83.6	1.0	0.0	83.6	360
57/728	NW_10e	1.0	1.0	1.0	0.0	0.0	0.0	398.1	83.6	1.0	1.0	83.6	360

Mean color difference of this page:

delta E* = 20.9

n/f		H*Ch*Fe	rgb*Fe	hsa_Fa	rgb*Fe	LabCh*Fe	LabCh*Fe	rgb*Fe	DF*Fe	hsa_Me	rgb*Me	LabCh*Me	LabCh*Me
0/648	R0Y_100_100e	1.0	0.0	1.0	0.0	0.254	45.6	70.9	44.8	83.9	32.3	10.5	375
1/666	R25Y_100_100e	1.0	0.25	1.0	0.166	0.0	53.6	51.9	55.5	76.0	46.8	8.8	38
2/684	R50Y_100_100e	1.0	0.5	1.0	0.398	0.0	60.2	60.2	60.2	63.4	74.1	58.8	41.0
3/702	R75Y_100_100e	1.0	0.75	1.0	0.604	0.0	70.9	77.9	75.9	84.0	86.2	16.3	66
4/720	Y00C_100_100e	1.0	1.0	0.0	1.0	0.878	0.0	87.8	96.0	96.0	96.0	93.3	80.4
5/558	Y25C_100_100e	0.75	1.0	0.0	0.605	1.0	74.5	80.7	83.5	101.8	13.4	11.3	113
6/396	Y50C_100_100e	0.5	1.0	0.0	0.322	1.0	62.6	66.5	72.8	114.0	18.7	13.1	131
7/234	Y75C_100_100e	0.25	1.0	0.0	0.108	1.0	54.1	46.8	66.6	135.3	13.0	14.4	144
8/72	G00B_100_100e	0.0	1.0	0.0	0.0	1.0	50.6	65.0	29.6	71.4	155.5	10.1	158
9/72	G25B_100_100e	0.0	1.0	0.0	0.151	0.0	50.6	50.0	50.0	71.4	155.5	10.1	158
10/76	G50B_100_100e	0.0	1.0	0.0	0.502	0.0	53.6	52.9	48.6	80.4	189.3	0.2	180
11/80	G75B_100_100e	0.0	1.0	0.0	1.0	0.747	50.6	52.9	48.6	80.4	189.3	0.2	180
12/44	G90B_100_100e	0.0	1.0	0.0	1.0	1.0	53.3	52.9	48.6	80.4	189.3	0.2	180
13/8	B00M_100_100e	0.0	1.0	1.0	0.846	1.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6
14/332	B25R_100_100e	0.5	0.0	1.0	0.405	1.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6
15/656	B50R_100_100e	0.25	0.0	1.0	0.151	1.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6
16/652	B75R_100_100e	0.0	0.0	1.0	0.502	1.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6
17/648	R0Y_100_100e	1.0	0.0	0.0	0.0	0.254	45.6	70.9	44.8	83.9	32.3	10.5	375
18/608	R25Y_100_100e	1.0	0.5	0.0	0.627	0.0	70.6	68.0	29.6	28.7	41.5	43.8	13.3
19/706	R50Y_100_100e	1.0	0.75	0.0	0.699	0.0	77.9	75.9	75.9	75.9	75.9	75.9	75.9
20/724	R75Y_100_100e	1.0	1.0	0.0	1.0	0.878	0.0	87.8	96.0	96.0	96.0	96.0	96.0
21/560	G00B_100_100e	0.0	1.0	0.0	0.0	1.0	50.6	65.0	29.6	71.4	155.5	10.1	158
22/400	G25B_100_100e	0.0	1.0	0.0	0.151	0.0	50.6	50.0	50.0	71.4	155.5	10.1	158
23/400	G50B_100_100e	0.0	1.0	0.0	0.502	0.0	53.6	52.9	48.6	80.4	189.3	0.2	180
24/400	G75B_100_100e	0.0	1.0	0.0	1.0	0.747	50.6	52.9	48.6	80.4	189.3	0.2	180
25/692	B00M_100_100e	0.0	1.0	1.0	0.846	1.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6
26/688	R0Y_100_100e	1.0	0.0	0.0	0.0	0.254	45.6	70.9	44.8	83.9	32.3	10.5	375
27/506	R25Y_100_100e	1.0	0.5	0.0	0.627	0.0	70.6	68.0	29.6	28.7	41.5	43.8	13.3
28/524	R50Y_100_100e	1.0	0.75	0.0	0.699	0.0	77.9	75.9	75.9	75.9	75.9	75.9	75.9
29/542	R75Y_100_100e	1.0	1.0	0.0	1.0	0.878	0.0	87.8	96.0	96.0	96.0	96.0	96.0
30/318	G00B_100_100e	0.0	1.0	0.0	0.0	1.0	50.6	65.0	29.6	71.4	155.5	10.1	158
31/210	G25B_100_100e	0.0	1.0	0.0	0.151	0.0	50.6	50.0	50.0	71.4	155.5	10.1	158
32/222	G50B_100_100e	0.0	1.0	0.0	0.502	0.0	53.6	52.9	48.6	80.4	189.3	0.2	180
33/186	B00M_100_100e	0.0	1.0	1.0	0.846	1.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6
34/510	B50R_100_100e	0.25	0.0	1.0	0.151	1.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6
35/506	R0Y_100_100e	1.0	0.0	0.0	0.0	0.254	45.6	70.9	44.8	83.9	32.3	10.5	375
36/324	R25Y_100_100e	1.0	0.5	0.0	0.627	0.0	70.6	68.0	29.6	28.7	41.5	43.8	13.3
37/342	R50Y_100_100e	1.0	0.75	0.0	0.699	0.0	77.9	75.9	75.9	75.9	75.9	75.9	75.9
38/360	R75Y_100_100e	1.0	1.0	0.0	1.0	0.878	0.0	87.8	96.0	96.0	96.0	96.0	96.0
39/198	G00B_100_100e	0.0	1.0	0.0	0.0	1.0	50.6	65.0	29.6	71.4	155.5	10.1	158
40/36	G25B_100_100e	0.0	1.0	0.0	0.151	0.0	50.6	50.0	50.0	71.4	155.5	10.1	158
41/40	G50B_100_100e	0.0	1.0	0.0	0.502	0.0	53.6	52.9	48.6	80.4	189.3	0.2	180
42/4	B00M_100_100e	0.0	1.0	1.0	0.846	1.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6
43/328	B50R_100_100e	0.25	0.0	1.0	0.151	1.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6
44/324	R0Y_100_100e	1.0	0.0	0.0	0.0	0.254	45.6	70.9	44.8	83.9	32.3	10.5	375
45/0	NW_000e	0.0	0.0	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0
46/91	NW_013e	0.125	0.125	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.0	0.0
47/182	NW_025e	0.25	0.25	0.25	0.25	0.25	42.5	0.0	0.0	0.0	0.0	0.0	0.0
48/273	NW_038e	0.375	0.375	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.0	0.0
49/364	NW_050e	0.5	0.5	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.0	0.0
50/455	NW_062e	0.625	0.625	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.0	0.0
51/546	NW_075e	0.75	0.75	0.75	0.75	0.75	77.9	0.0	0.0	0.0	0.0	0.0	0.0
52/637	NW_088e	0.875	0.875	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.0	0.0
53/728	NW_100e	1.0	1.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0

Mean color difference of this page:

delta E* = 13.3

n	HiC*Fe	rgb*Fe	icL*Fe	hsa*Fe	rgb*Fe	LabCH*Fe	LabCH*Fe	DF*Fe	hsm*Fe	rgb*Fe	LabCH*Fe	LabCH*Fe
243	R00Y.037.037a	0.375 0.0 0.0	0.375 0.375 0.187	390	0.375 0.0 0.0	0.095 32.3	27.0	25.4	30.0	12.9	30.0	36.2
244	R00Y.037.037a	0.375 0.0 0.0	0.375 0.375 0.187	391	0.375 0.0 0.0	0.31 32.4	27.0	29.2	32.9	12.9	30.0	36.2
245	B65R.037.037a	0.375 0.0 0.0	0.375 0.375 0.187	349	0.226 0.0 0.0	0.375 26.9	24.1	29.2	34.9	12.9	30.0	36.2
246	B65R.037.037a	0.375 0.0 0.0	0.375 0.375 0.187	349	0.12 0.0 0.0	0.375 26.9	24.1	29.2	34.9	12.9	30.0	36.2
247	B38R.060.050a	0.375 0.0 0.0	0.375 0.375 0.187	307	0.067 0.0 0.0	0.5 26.1	18.2	29.2	34.9	12.9	30.0	36.2
248	B38R.060.050a	0.375 0.0 0.0	0.375 0.375 0.187	307	0.005 0.0 0.0	0.625 24.9	18.2	29.2	34.9	12.9	30.0	36.2
249	B25R.075.075a	0.375 0.0 0.0	0.375 0.375 0.187	295	0.0 0.079 0.75	27.1 17.6	16.6	29.2	34.9	12.9	30.0	36.2
250	B25R.075.075a	0.375 0.0 0.0	0.375 0.375 0.187	295	0.0 0.151 0.875	29.5 19.5	18.8	29.2	34.9	12.9	30.0	36.2
251	B18R.100.100a	0.375 0.0 0.0	0.375 0.375 0.187	292	0.0 0.21 1.0	31.3 16.8	20.7	28.5	30.0	12.9	30.0	36.2
252	R31Y.107.037a	0.375 0.0 0.0	0.375 0.375 0.187	49	0.375 0.092 0.0	35.3 19.6	20.7	28.5	30.0	12.9	30.0	36.2
253	R00Y.037.037a	0.375 0.0 0.0	0.375 0.375 0.187	49	0.375 0.124 0.188	38.6 18.8	17.7	35.0	30.0	12.9	30.0	36.2
254	R00Y.037.037a	0.375 0.0 0.0	0.375 0.375 0.187	49	0.309 0.124 0.375	37.5 17.6	17.2	35.0	30.0	12.9	30.0	36.2
255	B50R.037.025a	0.375 0.0 0.0	0.375 0.375 0.187	330	0.205 0.124 0.375	34.9 11.9	7.2	13.9	32.6	10.0	10.0	10.0
256	B50R.037.025a	0.375 0.0 0.0	0.375 0.375 0.187	330	0.149 0.124 0.5	34.9 11.9	7.2	13.9	32.6	10.0	10.0	10.0
257	B34R.100.037a	0.375 0.0 0.0	0.375 0.375 0.187	311	0.149 0.124 0.5	34.9 11.9	7.2	13.9	32.6	10.0	10.0	10.0
258	B25R.062.050a	0.375 0.0 0.0	0.375 0.375 0.187	293	0.125 0.248 0.75	37.4 11.1	20.1	23.3	30.0	12.9	30.0	36.2
259	B18R.100.075a	0.375 0.0 0.0	0.375 0.375 0.187	293	0.125 0.248 0.75	37.4 11.1	20.1	23.3	30.0	12.9	30.0	36.2
260	B18R.100.075a	0.375 0.0 0.0	0.375 0.375 0.187	293	0.125 0.248 0.75	37.4 11.1	20.1	23.3	30.0	12.9	30.0	36.2
261	B88Y.037.037a	0.375 0.0 0.0	0.375 0.375 0.187	71	0.375 0.203 0.0	40.5 9.2	26.9	28.5	30.0	12.9	30.0	36.2
262	R50Y.037.025a	0.375 0.0 0.0	0.375 0.375 0.187	61	0.375 0.224 0.124	42.2 9.5	15.8	18.5	28.5	30.0	12.9	30.0
263	R00Y.037.037a	0.375 0.0 0.0	0.375 0.375 0.187	390	0.375 0.249 0.281	44.8 9.0	4.3	10.0	25.4	30.0	12.9	30.0
264	B50R.037.012a	0.375 0.0 0.0	0.375 0.375 0.187	330	0.29 0.249 0.375	43.0 5.9	-3.6	6.9	32.6	10.0	10.0	10.0
265	B25R.060.025a	0.375 0.0 0.0	0.375 0.375 0.187	289	0.249 0.276 0.5	43.1 5.8	-10.0	11.6	30.0	12.9	30.0	36.2
266	B18R.100.025a	0.375 0.0 0.0	0.375 0.375 0.187	289	0.25 0.343 0.625	43.1 5.8	-10.0	11.6	30.0	12.9	30.0	36.2
267	B18R.100.025a	0.375 0.0 0.0	0.375 0.375 0.187	289	0.25 0.401 0.75	43.1 5.8	-10.0	11.6	30.0	12.9	30.0	36.2
268	B07R.100.075a	0.375 0.0 0.0	0.375 0.375 0.187	279	0.25 0.517 1.0	49.4 5.4	-30.2	33.9	33.9	12.9	30.0	36.2
269	Y00C.037.037a	0.375 0.0 0.0	0.375 0.375 0.187	90	0.375 0.329 0.0	46.5 -1.3	33.9	33.9	33.9	12.9	30.0	36.2
270	Y00C.037.037a	0.375 0.0 0.0	0.375 0.375 0.187	90	0.375 0.344 0.124	48.0 -0.4	11.3	11.3	11.3	11.3	11.3	11.3
271	NW.037a	0.375 0.0 0.0	0.375 0.375 0.187	360	0.375 0.359 0.249	49.5 -0.4	11.3	11.3	11.3	11.3	11.3	11.3
272	B00R.050.012a	0.375 0.0 0.0	0.375 0.375 0.187	360	0.375 0.432 0.5	53.0 0.1	-5.0	10.0	0.0	0.0	0.0	0.0
273	B00R.050.012a	0.375 0.0 0.0	0.375 0.375 0.187	360	0.375 0.489 0.625	55.0 0.3	-10.1	10.0	0.0	0.0	0.0	0.0
274	B00R.050.012a	0.375 0.0 0.0	0.375 0.375 0.187	360	0.375 0.546 0.75	57.0 0.4	-15.2	15.2	15.2	15.2	15.2	15.2
275	B00R.050.012a	0.375 0.0 0.0	0.375 0.375 0.187	360	0.375 0.604 0.875	59.0 0.6	-20.3	20.3	20.3	20.3	20.3	20.3
276	B00R.050.012a	0.375 0.0 0.0	0.375 0.375 0.187	360	0.375 0.661 1.0	61.0 0.7	-25.4	25.4	25.4	25.4	25.4	25.4
277	B00R.050.012a	0.375 0.0 0.0	0.375 0.375 0.187	360	0.375 0.732 1.0	63.6 0.7	-25.6	25.6	25.6	25.6	25.6	25.6
278	Y23C.050.050a	0.375 0.0 0.0	0.375 0.375 0.187	109	0.31 0.5 0.124	50.5 -1.2	24.7	27.2	12.4	13.4	16.9	12.4
279	Y30C.050.037a	0.375 0.0 0.0	0.375 0.375 0.187	109	0.31 0.5 0.249	51.7 -1.2	13.4	16.9	12.4	13.4	16.9	12.4
280	Y30C.050.037a	0.375 0.0 0.0	0.375 0.375 0.187	109	0.31 0.5 0.393	54.3 -7.7	2.4	8.1	16.2	12.4	13.4	16.9
281	G00B.050.012a	0.375 0.0 0.0	0.375 0.375 0.187	150	0.375 0.5 0.468	54.9 -4.9	-3.4	5.6	21.6	12.4	13.4	16.9
282	G00B.050.012a	0.375 0.0 0.0	0.375 0.375 0.187	150	0.375 0.586 0.625	58.3 -4.9	-10.3	11.4	24.4	12.4	13.4	16.9
283	G00B.050.012a	0.375 0.0 0.0	0.375 0.375 0.187	150	0.375 0.625 0.75	59.8 -4.9	-15.4	15.9	25.4	12.4	13.4	16.9
284	G73B.062.025a	0.375 0.0 0.0	0.375 0.375 0.187	151	0.375 0.676 0.875	61.7 -3.9	-20.4	20.8	25.8	12.4	13.4	16.9
285	G84B.075.037a	0.375 0.0 0.0	0.375 0.375 0.187	151	0.375 0.732 1.0	63.6 0.7	-25.6	25.6	25.6	25.6	25.6	25.6
286	G88B.087.050a	0.375 0.0 0.0	0.375 0.375 0.187	151	0.375 0.732 1.0	63.6 0.7	-25.6	25.6	25.6	25.6	25.6	25.6
287	G90B.100.050a	0.375 0.0 0.0	0.375 0.375 0.187	151	0.375 0.732 1.0	63.6 0.7	-25.6	25.6	25.6	25.6	25.6	25.6
288	Y38C.062.062a	0.375 0.0 0.0	0.375 0.375 0.187	113	0.258 0.625 0.0	51.1 -20.2	38.0	43.5	11.9	12.4	13.4	16.9
289	Y38C.062.062a	0.375 0.0 0.0	0.375 0.375 0.187	113	0.286 0.625 0.125	52.4 -20.4	26.9	33.8	12.7	12.4	13.4	16.9
290	Y68C.062.037a	0.375 0.0 0.0	0.375 0.375 0.187	131	0.319 0.625 0.25	54.2 -19.1	15.9	24.9	14.0	12.4	13.4	16.9
291	G25B.062.025a	0.375 0.0 0.0	0.375 0.375 0.187	151	0.375 0.625 0.412	57.6 -15.5	4.9	16.3	16.2	12.4	13.4	16.9
292	G25B.062.025a	0.375 0.0 0.0	0.375 0.375 0.187	151	0.375 0.625 0.5	58.2 -12.1	-2.0	12.3	18.9	12.4	13.4	16.9
293	G58B.075.037a	0.375 0.0 0.0	0.375 0.375 0.187	180	0.375 0.625 0.561	58.7 -9.0	-6.8	11.3	21.6	12.4	13.4	16.9
294	G58B.075.037a	0.375 0.0 0.0	0.375 0.375 0.187	180	0.375 0.75 0.73	63.1 -10.4	-14.5	17.8	24.4	12.4	13.4	16.9
295	G75B.087.050a	0.375 0.0 0.0	0.375 0.375 0.187	229	0.375 0.798 0.875	65.5 -9.9	-20.6	22.9	24.4	12.4	13.4	16.9
296	G80B.100.062a	0.375 0.0 0.0	0.375 0.375 0.187	247	0.375 0.828 1.0	66.9 -8.9	-25.7	27.2	25.0	12.4	13.4	16.9
297	Y30C.075.075a	0.375 0.0 0.0	0.375 0.375 0.187	120	0.241 0.75 0.0	53.0 -30.7	40.3	50.7	12.7	12.4	13.4	16.9
298	Y30C.075.075a	0.375 0.0 0.0	0.375 0.375 0.187	120	0.28 0.75 0.125	54.5 -29.6	29.2	41.6	13.4	12.4	13.4	16.9
299	G00B.075.037a	0.375 0.0 0.0	0.375 0.375 0.187	150	0.375 0.75 0.243	57.0 -27.7	8.7	33.5	15.9	12.4	13.4	16.9
300	G15B.075.037a	0.375 0.0 0.0	0.375 0.375 0.187	169	0.375 0.75 0.375	60.1 -20.7	7.4	21.6	15.9	12.4	13.4	16.9
301	G15B.075.037a	0.375 0.0 0.0	0.375 0.375 0.187	169	0.375 0.75 0.526	62.1 -16.5	-5.9	17.6	19.2	12.4	13.4	16.9
302	G34B.075.037a	0.375 0.0 0.0	0.375 0.375 0.187	191	0.375 0.75 0.597	65.1 -16.5	-5.9	17.6	19.2	12.4	13.4	16.9
303	G50B.075.037a	0.375 0.0 0.0	0.375 0.375 0.187	224	0.375 0.75 0.655	62.5 -13.5	-10.2	16.9	21.6	12.4	13.4	16.9
304	G61B.087.050a	0.375 0.0 0.0	0.375 0.375 0.187	255	0.375 0.875 0.821	66.9 -13.0	-17.7	23.2	22.9	12.4	13.4	16.9
305	G68B.100.062a	0.375 0.0 0.0	0.375 0.375 0.187	225	0.375 0.875 1.0	69.6 -16.1	-25.7	30.3	23.7	12.4	13.4	16.9
306	Y58C.087.087a	0.375 0.0 0.0	0.375 0.375 0.187	135	0.236 0.875 0.0	55.1 -39.9	42.7	58.5	15.9	12.4	13.4	16.9
307	Y68C.087.087a	0.375 0.0 0.0	0.375 0.375 0.187	131	0.263 0.875 0.125	57.3 -38.2	31.9	49.8	14.0	12.4	13.4	16.9
308	Y81C.087.062a	0.375 0.0 0.0	0.375 0.375 0.187	139	0.283 0.875 0.25	59.8 -36.9	21.8	42.8	14.9	12.4	13.4	16.9
309	G00B.087.050a	0.375 0.0 0.0	0.375 0.375 0.187	150	0.375 0.875 0.45	64.2 -31.0	9.9	32.6	16.2	12.4	13.4	16.9
310	G11B.087.050a	0.375 0.0 0.0	0.375 0.375 0.187	164	0.375 0.875 0.55	64.8 -27.7	2.4	27.8	17.2	12.4	13.4	16.9
311	G23B.087.050a	0.375 0.0 0.0	0.375 0.375 0.187	164	0.375 0.875 0.656	65.9 -24.3	-4.1	24.6	18.9	12.4	13.4	16.9
312	G38B.087.050a	0.375 0.0 0.0	0.375 0.375 0.187	196	0.375 0.875 0.691	65.4 -21.0	-9.4	23.0	20.4	12.4	13.4	16.9
313	G50B.087.050a	0.375 0.0 0.0	0.375 0.375 0.187	221	0.375 0.875 0.748	66.4 -18.1	-13.6	22.6	21.6	12.4	13.4	16.9
314	G59B.100.062a	0.375 0.0 0.0	0.375 0.375 0.187	211	0.375 0.875 0.912	70.7 -19.						

n	H*Ch*Fe	rgb-Fe	icL-Fe	hsa-Fe	rgb*Fe	LabCh*Fe	rgb**Fe	LabCh**Fe	DF*%e	hsm%e	rgb%e	LabCh%e	25.4
324	R050_050_050a	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
325	R050_050_050b	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
326	R050_050_050c	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
327	R050_050_050d	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
328	R050_050_050e	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
329	R050_050_050f	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
330	R050_050_050g	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
331	R050_050_050h	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
332	R050_050_050i	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
333	R050_050_050j	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
334	R050_050_050k	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
335	R050_050_050l	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
336	R050_050_050m	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
337	R050_050_050n	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
338	R050_050_050o	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
339	R050_050_050p	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
340	R050_050_050q	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
341	R050_050_050r	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
342	R050_050_050s	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
343	R050_050_050t	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
344	R050_050_050u	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
345	R050_050_050v	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
346	R050_050_050w	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
347	R050_050_050x	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
348	R050_050_050y	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
349	R050_050_050z	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
350	R050_050_050aa	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
351	R050_050_050ab	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
352	R050_050_050ac	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
353	R050_050_050ad	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
354	R050_050_050ae	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
355	R050_050_050af	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
356	R050_050_050ag	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
357	R050_050_050ah	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
358	R050_050_050ai	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
359	R050_050_050aj	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
360	R050_050_050ak	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
361	R050_050_050al	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
362	R050_050_050am	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
363	R050_050_050an	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
364	R050_050_050ao	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
365	R050_050_050ap	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
366	R050_050_050aq	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
367	R050_050_050ar	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
368	R050_050_050as	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
369	R050_050_050at	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
370	R050_050_050au	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
371	R050_050_050av	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
372	R050_050_050aw	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
373	R050_050_050ax	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
374	R050_050_050ay	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
375	R050_050_050az	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
376	R050_050_050ba	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
377	R050_050_050bb	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
378	R050_050_050bc	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
379	R050_050_050bd	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
380	R050_050_050be	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
381	R050_050_050bf	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
382	R050_050_050bg	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
383	R050_050_050bh	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
384	R050_050_050bi	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
385	R050_050_050bj	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
386	R050_050_050bk	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
387	R050_050_050bl	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
388	R050_050_050bm	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
389	R050_050_050bn	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
390	R050_050_050bo	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
391	R050_050_050bp	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
392	R050_050_050bq	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
393	R050_050_050br	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
394	R050_050_050bs	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
395	R050_050_050bt	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
396	R050_050_050bu	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
397	R050_050_050bv	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
398	R050_050_050bw	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
399	R050_050_050bx	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
400	R050_050_050by	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
401	R050_050_050bz	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
402	R050_050_050ca	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
403	R050_050_050cb	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0
404	R050_050_050cc	0.5	0.0	0.0	0.5	35.0	0.0	34.8	22.4	50.0	1.0	34.8	80.0

see similar files: <http://130.149.60.45/~farbmatrik/PE98/PE98.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/PE98/PE98LONP.PDF /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 26/33

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1-0132531-F0

1111

TUB-test chart PE98; hue code: $H^*_e=R00Y_e$

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

	HIC-Fe	rgb-Fe	icl-Fe	hsa-Fe	rgb-Fe	LobCh-Fe	LobCh-Fe	rgb-Fe	DE-Fe	hsa-Fe	rgb-Fe	LobCh-Fe																																																																																																																																																																																																																																																																																																																																																																																																																																						
486	ROXY.075.075e	0.75	0.0	0.75	0.75	0.0191	40.3	54.1	25.8	60.0	25.4	60.0	40.7	59.2	36.3	68.4	31.5	11.6	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4																																																																																																																																																																																																																																																																																																																																																																																																																							
487	R35X.075.075e	0.75	0.125	0.75	0.75	0.384	40.3	54.1	57.8	15.4	57.8	15.4	0.75	0.0	0.125	40.7	68.4	27.7	16.8	359	1.0	0.0	0.512	45.6	74.3	30.5	77.1	15.4																																																																																																																																																																																																																																																																																																																																																																																																																						
488	R10X.075.075e	0.75	0.0	0.75	0.75	0.0	0.384	40.3	57.8	4.3	58.5	4.3	0.75	0.0	0.25	40.7	68.4	22.6	21.1	339	1.0	0.0	0.827	45.6	77.8	5.8	78.1	4.3																																																																																																																																																																																																																																																																																																																																																																																																																						
489	R10X.075.075e	0.75	0.0	0.75	0.75	0.371	40.3	58.4	7.3	53.3	352.0	0.75	0.0	0.375	41.0	62.2	65.1	17.1	28.4	315	1.0	0.0	0.736	0.0	1.0	71.1	352.0	0.0																																																																																																																																																																																																																																																																																																																																																																																																																						
490	B65R.075.075e	0.75	0.0	0.75	0.75	0.375	34.9	48.2	-11.4	49.5	346.6	0.75	0.0	0.5	0.40	64.0	11.4	65.6	4.4	28.6	306	0.0	0.0	0.603	0.0	1.0	37.6	64.3	-15.3	66.1	346.6	0.0																																																																																																																																																																																																																																																																																																																																																																																																																		
491	B57R.075.075e	0.75	0.0	0.75	0.75	0.317	41.6	-17.5	45.1	337.1	0.75	0.0	0.625	41.1	65.4	5.1	65.6	4.4	34.1	296	0.0	0.0	0.44	0.0	1.0	34.2	55.4	-23.3	60.2	337.1	0.0																																																																																																																																																																																																																																																																																																																																																																																																																			
492	B50R.075.075e	0.75	0.0	0.75	0.75	0.294	35.8	-21.8	49.0	328.6	0.75	0.0	0.875	41.1	66.9	0.0	66.9	0.0	39.8	288	0.0	0.0	0.321	0.0	1.0	31.1	47.7	-29.1	55.9	328.6	0.0																																																																																																																																																																																																																																																																																																																																																																																																																			
493	B43R.087.087e	0.75	0.0	0.875	0.875	0.281	35.9	-29.0	46.2	321.0	0.75	0.0	1.0	0.875	41.1	69.0	-4.7	69.2	356.0	43.1	282	0.23	0.0	1.0	28.7	41.0	-33.2	52.8	321.0	0.0																																																																																																																																																																																																																																																																																																																																																																																																																				
494	B38R.100.100e	0.75	0.0	1.0	1.0	0.135	0.0	1.0	27.9	36.9	315.3	0.75	0.0	1.0	0.135	0.0	41.8	71.6	352.5	45.8	277	0.135	0.0	1.0	27.9	36.5	-36.1	51.4	315.3	0.0																																																																																																																																																																																																																																																																																																																																																																																																																				
495	R15X.075.075e	0.75	0.125	0.75	0.75	0.051	0.0	41.6	49.9	35.6	61.3	0.75	0.125	0.0	0.439	51.3	40.0	65.1	37.8	51	33	1.0	0.068	0.0	0.473	66.5	47.4	81.7	35.5	51.0	0.0																																																																																																																																																																																																																																																																																																																																																																																																																			
496	R31X.075.062e	0.75	0.125	0.75	0.75	0.125	0.384	46.5	45.1	21.5	50.0	25.4	0.75	0.125	0.125	44.5	50.6	34.5	61.3	34.3	14.3	375	1.0	0.0	0.57	45.6	72.2	34.4	80.0	25.4	0.0																																																																																																																																																																																																																																																																																																																																																																																																																			
497	R31X.075.062e	0.75	0.125	0.75	0.75	0.125	0.481	46.7	46.9	11.0	48.2	13.2	0.75	0.125	0.25	44.8	58.4	58.8	28.9	18.1	355	1.0	0.0	0.57	45.6	75.0	17.6	77.1	13.2	0.0																																																																																																																																																																																																																																																																																																																																																																																																																				
498	R10X.075.062e	0.75	0.125	0.75	0.75	0.125	0.749	46.8	49.1	49.5	359.8	0.75	0.125	0.375	45.4	52.4	21.2	56.5	22.0	21.6	330	1.0	0.0	0.999	46.1	79.3	-0.1	79.3	359.8	0.0																																																																																																																																																																																																																																																																																																																																																																																																																				
499	B60R.075.062e	0.75	0.125	0.75	0.75	0.431	42.8	-7.2	43.4	350.4	0.75	0.125	0.5	0.454	52.4	55.5	55.3	55.3	55.3	27.2	312	0.692	0.0	1.0	40.0	68.5	-11.5	68.4	350.4	0.0																																																																																																																																																																																																																																																																																																																																																																																																																				
500	B50R.075.062e	0.75	0.125	0.75	0.75	0.375	35.9	-18.2	34.9	328.6	0.75	0.125	0.625	45.8	56.5	5.5	55.3	55.3	55.3	27.2	298	0.473	0.0	1.0	35.0	57.2	-21.9	61.3	339.0	0.0																																																																																																																																																																																																																																																																																																																																																																																																																				
501	B50R.075.062e	0.75	0.125	0.75	0.75	0.375	35.9	-18.2	34.9	328.6	0.75	0.125	0.625	45.8	56.5	5.5	55.3	55.3	55.3	27.2	298	0.473	0.0	1.0	35.0	57.2	-21.9	61.3	339.0	0.0																																																																																																																																																																																																																																																																																																																																																																																																																				
502	B42R.087.075e	0.75	0.125	0.75	0.75	0.326	112.5	0.75	37.5	29.8	-13.7	39.4	320.0	0.75	0.125	0.875	46.6	58.6	58.6	38.6	281	0.214	0.0	1.0	28.6	40.3	-33.7	52.6	320.0	0.0																																																																																																																																																																																																																																																																																																																																																																																																																				
503	B36R.100.087e	0.75	0.125	0.875	0.875	0.36	30.2	-25.3	39.4	320.0	0.75	0.125	0.875	46.6	58.6	-10.4	61.3	350.2	38.6	275	0.106	0.0	1.0	27.4	35.1	-37.0	51.0	313.4	0.0																																																																																																																																																																																																																																																																																																																																																																																																																					
504	R31X.075.075e	0.75	0.0	1.0	0.875	0.562	31.4	0.0	21.7	112.5	1.0	35.9	30.7	-32.4	44.7	60.4	-10.4	61.3	350.2	38.6	275	0.106	0.0	1.0	27.4	35.1	-37.0	51.0	313.4	0.0																																																																																																																																																																																																																																																																																																																																																																																																																				
505	R18X.075.062e	0.75	0.25	0.0	0.75	0.375	49.1	0.75	0.184	0.0	48.2	39.2	41.6	0.0	48.9	39.7	46.7	61.3	49.6	5.9	43	1.0	0.246	0.0	0.535	52.2	55.3	76.1	46.6	0.0	0.0																																																																																																																																																																																																																																																																																																																																																																																																																			
506	ROXY.075.050e	0.75	0.25	0.75	0.5	0.375	0.75	0.197	112.5	48.4	39.6	30.6	50.1	37.7	0.75	0.25	0.125	48.9	39.7	46.7	61.3	49.6	5.9	43	1.0	0.246	0.0	0.535	52.2	55.3	76.1	46.6	0.0																																																																																																																																																																																																																																																																																																																																																																																																																	
507	R26X.075.050e	0.75	0.25	0.75	0.5	0.375	0.75	0.25	0.378	52.8	36.1	17.2	40.0	25.4	0.75	0.25	0.25	50.4	39.9	24.4	46.8	31.9	50.7	38.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9	15.2	34.9



TUB material: code=rha4ta
ny0 (CMY0)

input: *rgb/cmyk* → *rgb*
output: transfer to *cmy* θ_e

TUB-test chart PE98; hue code: $H^* = R00Y_e$
 colors and differences, ΔE^*

input: *rgb/cmyk* - > *rgb_e*
 output: transfer to *cmy0_e*

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TUB-test chart PE98; hue code: $H_e^* = R00Y_e$

colors and differences. ΔE^* ,

see similar files: <http://130.149.60.45/~farbmatrik/PE98/PE98.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/PE98/PE98LONP.PDF /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/33

TUB-test chart PE98; hue code: $H^*_e=R00Y_e$

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

[illegible]

n	H*Ch*Fe	rgb-Fe	icr-Fe	hs-Fe	LabCh*Fe	rgb*Fe	LabCh*Fe	rgb*Fe	DF*Fe	hsm-Fe	rgb*Fe	LabCh*Fe	LabCh*Fe
891	NW_100e	1.0	1.0	360	956	1.0	956	1.0	0.1	111.4	1.0	956	0.0
892	B50R_100.012e	1.0	0.125	0.937	875	0.0	875	0.0	0.1	348.2	1.0	956	0.0
893	B50R_100.025e	1.0	0.25	0.875	795	0.0	795	0.0	0.1	351.1	1.0	956	0.0
894	B50R_100.037e	1.0	0.375	0.812	715	0.0	715	0.0	0.1	352.2	1.0	956	0.0
895	B50R_100.050e	1.0	0.5	0.75	635	0.0	635	0.0	0.1	353.8	1.0	956	0.0
896	B50R_100.062e	1.0	0.625	0.687	555	0.0	555	0.0	0.1	355.3	1.0	956	0.0
897	B50R_100.075e	1.0	0.75	0.625	475	0.0	475	0.0	0.1	357.1	1.0	956	0.0
898	B50R_100.087e	1.0	0.875	0.562	395	0.0	395	0.0	0.1	358.6	1.0	956	0.0
899	B50R_100.100e	1.0	1.0	0.5	315	0.0	315	0.0	0.1	360.0	1.0	956	0.0
900	GOB_100.012e	0.875	1.0	0.125	937	0.0	937	0.0	0.1	111.4	1.0	956	0.0
901	NW_087e	0.875	0.875	0.875	875	0.0	875	0.0	0.1	348.2	1.0	956	0.0
902	B50R_087.012e	0.875	0.875	0.875	795	0.0	795	0.0	0.1	351.1	1.0	956	0.0
903	B50R_087.025e	0.875	0.875	0.875	715	0.0	715	0.0	0.1	352.2	1.0	956	0.0
904	B50R_087.037e	0.875	0.875	0.875	635	0.0	635	0.0	0.1	353.8	1.0	956	0.0
905	B50R_087.050e	0.875	0.875	0.875	555	0.0	555	0.0	0.1	355.3	1.0	956	0.0
906	B50R_087.062e	0.875	0.875	0.875	475	0.0	475	0.0	0.1	357.1	1.0	956	0.0
907	B50R_087.075e	0.875	0.875	0.875	395	0.0	395	0.0	0.1	358.6	1.0	956	0.0
908	B50R_087.087e	0.875	0.875	0.875	315	0.0	315	0.0	0.1	360.0	1.0	956	0.0
909	GOB_100.025e	0.75	1.0	0.25	875	0.0	875	0.0	0.1	111.4	1.0	956	0.0
910	GOB_100.037e	0.75	0.875	0.875	795	0.0	795	0.0	0.1	351.1	1.0	956	0.0
911	NW_075e	0.75	0.75	0.75	715	0.0	715	0.0	0.1	352.2	1.0	956	0.0
912	B50R_075.012e	0.75	0.75	0.75	635	0.0	635	0.0	0.1	353.8	1.0	956	0.0
913	B50R_075.025e	0.75	0.75	0.75	555	0.0	555	0.0	0.1	355.3	1.0	956	0.0
914	B50R_075.037e	0.75	0.75	0.75	475	0.0	475	0.0	0.1	357.1	1.0	956	0.0
915	B50R_075.050e	0.75	0.75	0.75	395	0.0	395	0.0	0.1	358.6	1.0	956	0.0
916	B50R_075.062e	0.75	0.75	0.75	315	0.0	315	0.0	0.1	360.0	1.0	956	0.0
917	B50R_075.075e	0.75	0.75	0.75	235	0.0	235	0.0	0.1	361.1	1.0	956	0.0
918	GOB_100.037e	0.625	1.0	0.375	812	0.0	812	0.0	0.1	111.4	1.0	956	0.0
919	GOB_100.050e	0.625	0.875	0.875	732	0.0	732	0.0	0.1	349.7	1.0	956	0.0
920	GOB_075.012e	0.625	0.625	0.625	652	0.0	652	0.0	0.1	350.8	1.0	956	0.0
921	NW_062e	0.625	0.625	0.625	572	0.0	572	0.0	0.1	352.2	1.0	956	0.0
922	B50R_062.012e	0.625	0.625	0.625	492	0.0	492	0.0	0.1	353.8	1.0	956	0.0
923	B50R_062.025e	0.625	0.625	0.625	412	0.0	412	0.0	0.1	355.3	1.0	956	0.0
924	B50R_062.037e	0.625	0.625	0.625	332	0.0	332	0.0	0.1	357.1	1.0	956	0.0
925	B50R_062.050e	0.625	0.625	0.625	252	0.0	252	0.0	0.1	358.6	1.0	956	0.0
926	B50R_062.062e	0.625	0.625	0.625	172	0.0	172	0.0	0.1	360.0	1.0	956	0.0
927	GOB_100.050e	0.5	1.0	0.5	75	0.0	75	0.0	0.1	111.4	1.0	956	0.0
928	GOB_087.037e	0.5	0.875	0.875	675	0.0	675	0.0	0.1	348.2	1.0	956	0.0
929	GOB_087.050e	0.5	0.75	0.875	595	0.0	595	0.0	0.1	350.8	1.0	956	0.0
930	GOB_062.012e	0.5	0.625	0.875	515	0.0	515	0.0	0.1	352.2	1.0	956	0.0
931	NW_050e	0.5	0.5	0.5	435	0.0	435	0.0	0.1	353.8	1.0	956	0.0
932	B50R_050.012e	0.5	0.5	0.5	355	0.0	355	0.0	0.1	355.3	1.0	956	0.0
933	B50R_050.025e	0.5	0.5	0.5	275	0.0	275	0.0	0.1	357.1	1.0	956	0.0
934	B50R_050.037e	0.5	0.5	0.5	195	0.0	195	0.0	0.1	358.6	1.0	956	0.0
935	B50R_050.050e	0.5	0.5	0.5	115	0.0	115	0.0	0.1	360.0	1.0	956	0.0
936	GOB_100.062e	0.375	1.0	0.625	887	0.0	887	0.0	0.1	111.4	1.0	956	0.0
937	GOB_087.050e	0.375	0.875	0.875	807	0.0	807	0.0	0.1	349.7	1.0	956	0.0
938	GOB_087.062e	0.375	0.75	0.875	727	0.0	727	0.0	0.1	351.1	1.0	956	0.0
939	GOB_062.025e	0.375	0.625	0.875	647	0.0	647	0.0	0.1	352.2	1.0	956	0.0
940	NW_037e	0.375	0.5	0.875	567	0.0	567	0.0	0.1	353.8	1.0	956	0.0
941	B50R_037.012e	0.375	0.375	0.875	487	0.0	487	0.0	0.1	355.3	1.0	956	0.0
942	B50R_037.025e	0.375	0.375	0.875	407	0.0	407	0.0	0.1	357.1	1.0	956	0.0
943	B50R_037.037e	0.375	0.375	0.875	327	0.0	327	0.0	0.1	358.6	1.0	956	0.0
944	GOB_100.075e	0.25	1.0	0.75	907	0.0	907	0.0	0.1	111.4	1.0	956	0.0
945	GOB_087.062e	0.25	0.875	0.875	827	0.0	827	0.0	0.1	349.7	1.0	956	0.0
946	GOB_062.037e	0.25	0.75	0.875	747	0.0	747	0.0	0.1	351.1	1.0	956	0.0
947	GOB_037.012e	0.25	0.625	0.875	667	0.0	667	0.0	0.1	352.2	1.0	956	0.0
948	GOB_050.012e	0.25	0.5	0.875	587	0.0	587	0.0	0.1	353.8	1.0	956	0.0
949	GOB_037.025e	0.25	0.375	0.875	507	0.0	507	0.0	0.1	355.3	1.0	956	0.0
950	GOB_037.037e	0.25	0.25	0.875	427	0.0	427	0.0	0.1	357.1	1.0	956	0.0
951	NW_025e	0.25	0.25	0.875	347	0.0	347	0.0	0.1	358.6	1.0	956	0.0
952	B50R_025.012e	0.25	0.25	0.875	267	0.0	267	0.0	0.1	360.0	1.0	956	0.0
953	B50R_025.025e	0.25	0.25	0.875	187	0.0	187	0.0	0.1	361.1	1.0	956	0.0
954	GOB_100.087e	0.125	1.0	0.875	967	0.0	967	0.0	0.1	111.4	1.0	956	0.0
955	GOB_087.075e	0.125	0.875	0.875	887	0.0	887	0.0	0.1	349.7	1.0	956	0.0
956	GOB_075.062e	0.125	0.75	0.875	807	0.0	807	0.0	0.1	351.1	1.0	956	0.0
957	GOB_062.050e	0.125	0.625	0.875	727	0.0	727	0.0	0.1	352.2	1.0	956	0.0
958	GOB_050.037e	0.125	0.5	0.875	647	0.0	647	0.0	0.1	353.8	1.0	956	0.0
959	GOB_037.025e	0.125	0.375	0.875	567	0.0	567	0.0	0.1	355.3	1.0	956	0.0
960	NW_012e	0.125	0.25	0.875	487	0.0	487	0.0	0.1	357.1	1.0	956	0.0
961	B50R_012.012e	0.125	0.125	0.875	407	0.0	407	0.0	0.1	358.6	1.0	956	0.0
962	GOB_100.100e	0.0	1.0	1.0	987	0.0	987	0.0	0.1	111.4	1.0	956	0.0
963	GOB_087.087e	0.0	0.875	0.875	907	0.0	907	0.0	0.1	349.7	1.0	956	0.0
964	GOB_075.075e	0.0	0.75	0.875	827	0.0	827	0.0	0.1	351.1	1.0	956	0.0
965	GOB_062.062e	0.0	0.625	0.875	747	0.0	747	0.0	0.1	352.2	1.0	956	0.0
966	GOB_050.050e	0.0	0.5	0.875	667	0.0	667	0.0	0.1	353.8	1.0	956	0.0
967	GOB_037.037e	0.0	0.375	0.875	587	0.0	587	0.0	0.1	355.3	1.0	956	0.0
968	GOB_025.025e	0.0	0.25	0.875	507	0.0	507	0.0	0.1	357.1	1.0	956	0.0
969	GOB_012.012e	0.0	0.125	0.875	427	0.0	427	0.0	0.1	358.6	1.0	956	0.0
970	NW_000e	0.0	0.0	0.0	347	0.0	347	0.0	0.1	360.0	1.0	956	0.0
971		0.0	0.0	0.0	267	0.0	267	0.0	0.1	361.1	1.0	956	0.0

<http://130.149.60.45/~farbmatrik/PE98/PE98LONP.PDF> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 32/33

n	HC*Fe	rgb*Fe	icL*Fe	hsa*Fe	rgb*Fe	LabCh*Fe	LabCh*Fe	DF*Fe	hsa*Fe	rgb*Fe	LabCh*Fe	LabCh*Fe
972	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	1.9	302.0	2.2	360	0.0
973	NW_012e	0.125	0.125	0.125	0.125	0.125	0.125	-1.6	8.9	26.4	10.1	0.0
974	NW_025e	0.25	0.25	0.25	0.25	0.25	0.25	8.5	12.6	42.5	13.9	0.0
975	NW_037e	0.375	0.375	0.375	0.375	0.375	0.375	10.1	14.8	47.1	15.9	0.0
976	NW_050e	0.5	0.5	0.5	0.5	0.5	0.5	10.0	13.3	48.4	14.2	0.0
977	NW_062e	0.625	0.625	0.625	0.625	0.625	0.625	9.0	10.6	58.3	10.9	0.0
978	NW_075e	0.75	0.75	0.75	0.75	0.75	0.75	7.5	57.9	7.6	360	1.0
979	NW_087e	0.875	0.875	0.875	0.875	0.875	0.875	3.3	3.6	70.5	3.6	0.0
980	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0
981	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.1	126.7	0.1	360	1.0
982	NW_012e	0.125	0.125	0.125	0.125	0.125	0.125	-0.6	1.4	332.7	2.0	0.0
983	NW_025e	0.25	0.25	0.25	0.25	0.25	0.25	9.4	27.2	10.5	360	1.0
984	NW_037e	0.375	0.375	0.375	0.375	0.375	0.375	9.1	13.3	43.2	14.7	0.0
985	NW_050e	0.5	0.5	0.5	0.5	0.5	0.5	11.0	14.9	47.9	15.8	0.0
986	NW_062e	0.625	0.625	0.625	0.625	0.625	0.625	9.9	13.1	49.1	14.0	0.0
987	NW_075e	0.75	0.75	0.75	0.75	0.75	0.75	10.7	58.2	11.1	360	1.0
988	NW_087e	0.875	0.875	0.875	0.875	0.875	0.875	6.1	7.4	56.0	7.6	0.0
989	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	3.6	70.8	3.6	360	1.0
990	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133.9	0.0	360	1.0
991	NW_012e	0.125	0.125	0.125	0.125	0.125	0.125	-0.7	0.9	307.9	1.6	0.0
992	NW_025e	0.25	0.25	0.25	0.25	0.25	0.25	9.2	30.9	10.6	360	1.0
993	NW_037e	0.375	0.375	0.375	0.375	0.375	0.375	11.2	15.1	48.2	14.3	0.0
994	NW_050e	0.5	0.5	0.5	0.5	0.5	0.5	9.9	13.3	48.3	14.3	0.0
995	NW_062e	0.625	0.625	0.625	0.625	0.625	0.625	8.3	10.9	49.0	14.2	0.0
996	NW_075e	0.75	0.75	0.75	0.75	0.75	0.75	7.5	56.0	7.6	360	1.0
997	NW_087e	0.875	0.875	0.875	0.875	0.875	0.875	3.1	7.6	3.1	360	1.0
998	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	0.0	120.9	0.2	360	1.0
999	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	0.8	317.5	1.7	0.0
1000	NW_012e	0.125	0.125	0.125	0.125	0.125	0.125	4.4	9.1	28.8	10.1	0.0
1001	NW_025e	0.25	0.25	0.25	0.25	0.25	0.25	9.1	13.3	45.5	14.5	0.0
1002	NW_037e	0.375	0.375	0.375	0.375	0.375	0.375	10.4	15.2	48.7	16.4	0.0
1003	NW_050e	0.5	0.5	0.5	0.5	0.5	0.5	9.4	10.4	13.8	14.8	0.0
1004	NW_062e	0.625	0.625	0.625	0.625	0.625	0.625	5.6	11.1	59.3	11.4	0.0
1005	NW_075e	0.75	0.75	0.75	0.75	0.75	0.75	6.4	7.6	57.3	7.9	0.0
1006	NW_087e	0.875	0.875	0.875	0.875	0.875	0.875	8.3	1.1	3.5	3.7	0.0
1007	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	113.6	0.1
1008	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	-1.9	2.4	306.9	2.7	0.0
1009	NW_012e	0.125	0.125	0.125	0.125	0.125	0.125	5.8	0.2	5.8	2.4	0.0
1010	NW_025e	0.25	0.25	0.25	0.25	0.25	0.25	3.0	19.7	13.0	360	1.0
1011	NW_037e	0.375	0.375	0.375	0.375	0.375	0.375	8.3	12.3	42.4	13.8	0.0
1012	NW_050e	0.5	0.5	0.5	0.5	0.5	0.5	10.4	14.0	42.0	15.5	0.0
1013	NW_062e	0.625	0.625	0.625	0.625	0.625	0.625	8.9	13.3	47.7	14.3	0.0
1014	NW_075e	0.75	0.75	0.75	0.75	0.75	0.75	10.0	13.4	48.0	14.5	0.0
1015	NW_087e	0.875	0.875	0.875	0.875	0.875	0.875	12.3	53.9	13.4	360	1.0
1016	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	8.6	10.3	57.1	10.7	0.0
1017	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	6.6	10.3	57.1	10.7	0.0
1018	NW_012e	0.125	0.125	0.125	0.125	0.125	0.125	6.6	53.8	8.4	360	1.0
1019	NW_025e	0.25	0.25	0.25	0.25	0.25	0.25	6.6	60.2	5.7	360	1.0
1020	NW_037e	0.375	0.375	0.375	0.375	0.375	0.375	3.3	67.9	3.6	360	1.0
1021	NW_050e	0.5	0.5	0.5	0.5	0.5	0.5	1.5	70.7	1.5	360	1.0
1022	NW_062e	0.625	0.625	0.625	0.625	0.625	0.625	0.1	99.5	0.1	360	1.0
1023	NW_075e	0.75	0.75	0.75	0.75	0.75	0.75	2.6	318.9	2.6	360	1.0
1024	NW_087e	0.875	0.875	0.875	0.875	0.875	0.875	6.1	6.1	6.1	360	1.0
1025	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	9.2	21.0	10.6	360	1.0
1026	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	11.4	30.5	13.1	360	1.0
1027	NW_012e	0.125	0.125	0.125	0.125	0.125	0.125	8.4	40.4	14.5	360	1.0
1028	NW_025e	0.25	0.25	0.25	0.25	0.25	0.25	10.3	40.4	14.5	360	1.0
1029	NW_037e	0.375	0.375	0.375	0.375	0.375	0.375	8.4	47.7	13.9	360	1.0
1030	NW_050e	0.5	0.5	0.5	0.5	0.5	0.5	9.0	47.7	13.9	360	1.0
1031	NW_062e	0.625	0.625	0.625	0.625	0.625	0.625	7.3	9.1	11.7	50.9	12.6
1032	NW_075e	0.75	0.75	0.75	0.75	0.75	0.75	6.3	9.1	11.7	50.9	12.6
1033	NW_087e	0.875	0.875	0.875	0.875	0.875	0.875	5.6	9.8	55.1	10.1	0.0
1034	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	6.4	53.5	8.2	360	1.0
1035	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	5.7	60.7	5.7	360	1.0
1036	NW_012e	0.125	0.125	0.125	0.125	0.125	0.125	1.4	1.5	72.5	1.5	0.0
1037	NW_025e	0.25	0.25	0.25	0.25	0.25	0.25	0.0	224.9	0.0	360	1.0
1038	NW_037e	0.375	0.375	0.375	0.375	0.375	0.375	0.0	306.3	2.0	360	1.0
1039	NW_050e	0.5	0.5	0.5	0.5	0.5	0.5	5.7	8.2	6.6	360	1.0
1040	NW_062e	0.625	0.625	0.625	0.625	0.625	0.625	9.3	23.1	10.7	360	1.0
1041	NW_075e	0.75	0.75	0.75	0.75	0.75	0.75	11.3	32.8	13.0	360	1.0
1042	NW_087e	0.875	0.875	0.875	0.875	0.875	0.875	9.1	13.0	44.8	14.6	0.0
1043	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	14.3	41.1	16.0	360	1.0
1044	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	13.2	50.2	14.3	360	1.0
1045	NW_012e	0.125	0.125	0.125	0.125	0.125	0.125	9.7	13.0	47.9	14.3	0.0
1046	NW_025e	0.25	0.25	0.25	0.25	0.25	0.25	11.6	51.4	12.5	360	1.0
1047	NW_037e	0.375	0.375	0.375	0.375	0.375	0.375	9.1	10.8	57.3	11.2	0.0
1048	NW_050e	0.5	0.5	0.5	0.5	0.5	0.5	8.3	9.9	56.7	10.0	0.0
1049	NW_062e	0.625	0.625	0.625	0.625	0.625	0.625	6.6	8.3	53.6	8.5	0.0
1050	NW_075e	0.75	0.75	0.75	0.75	0.75	0.75	5.1	61.5	5.8	360	1.0
1051	NW_087e	0.875	0.875	0.875	0.875	0.875	0.875	2.7	80.6	2.7	360	1.0
1052	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0

PE98-7N, Page 32/33-F

TUB-test chart PE98; hue code: H*e=R00Y e
colors and differences, ΔE*

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

Mean color difference of this page:
delta E* = 9.2



<http://130.149.60.45/~farbmatrik/PE98/PE98LONP.PDF> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33

input: *rgb/cmyk* - > *rgbe*
output: transfer to *cmy0_e*

TUB-test chart PE98; hue code: H*_e=R00Y_e
colors and differences, ΔE*

n	HC*Fe	rgb_Fe	ic*_Fe	h*_Fe	rgb*Fe	LabCh*Fe	h*_Fe	rgb*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	0.866	0.866	3.7	69.9	3.7	69.9
1054	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	1.5	71.6	1.5	71.6
1055	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	114.3	0.1	114.3
1056	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	308.5	6.7	308.5
1057	NW_006e	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	5.5	6.7	5.5	6.7
1058	NW_013e	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	9.0	22.4	9.0	22.4
1059	NW_020e	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	11.6	30.4	11.6	30.4
1060	NW_026e	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	13.3	40.7	13.3	40.7
1061	NW_033e	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	14.0	36.0	14.0	36.0
1062	NW_040e	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	15.5	36.0	15.5	36.0
1063	NW_046e	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	14.5	36.0	14.5	36.0
1064	NW_053e	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	11.0	56.7	11.0	56.7
1065	NW_060e	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	8.3	9.8	8.3	9.8
1066	NW_066e	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	5.9	62.0	5.9	62.0
1067	NW_073e	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	3.6	69.4	3.6	69.4
1068	NW_080e	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	71.7	1.5	71.7
1069	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.1	118.4	0.1	118.4
1070	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	2.9	299.2	2.9	299.2
1071	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	138.7	0.0	138.7
1072	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.9	32.8	83.9	32.8
1073	ROY_100_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	18.2	375	18.2	375
1074	ROY_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.9	32.8	83.9	32.8
1075	G50B_100_100e	0.0	1.0	1.0	0.5	210	0.0	1.0	1.0	36.0	83.9	36.0	83.9
1076	Y06G_100_100e	1.0	1.0	1.0	1.0	0.5	0.0	1.0	1.0	95.7	306.9	95.7	306.9
1077	B00B_100_100e	0.0	1.0	1.0	0.5	210	0.0	1.0	1.0	36.0	83.9	36.0	83.9
1078	B00B_100_100e	0.0	1.0	1.0	0.5	210	0.0	1.0	1.0	36.0	83.9	36.0	83.9
1079	B50B_100_100e	1.0	0.0	1.0	0.5	330	0.321	0.0	1.0	79.2	359.8	0.321	0.0

Mean color difference of this page:

delta E* = 10.3