

Input and Output: Offset Reflective System ORS18a

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

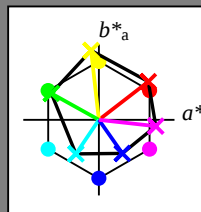
HIC^* -

hue text for the colours
of this page:

H^*_- = R00Y-, R25Y-, ..., B75R-

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
R25Y_100_100_	56.8	48.0	50.5	69.6
R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-31.7	62.7	70.2
Y75G_100_100_	62.0	-49.7	43.2	65.8
G00B_100_100_	55.8	-65.2	33.8	73.4
G25B_100_100_	59.3	-50.3	-9.0	51.0
G50B_100_100_	63.0	-30.5	-42.0	51.9
G75B_100_100_	45.7	-5.7	-44.6	44.9
B00R_100_100_	27.5	25.9	-47.3	53.9
B25R_100_100_	38.3	52.6	-28.5	59.8
B50R_100_100_	49.5	73.5	-9.0	74.0
B75R_100_100_	48.9	69.3	12.9	70.4



% Gamut

$u^*_{rel} = 92$

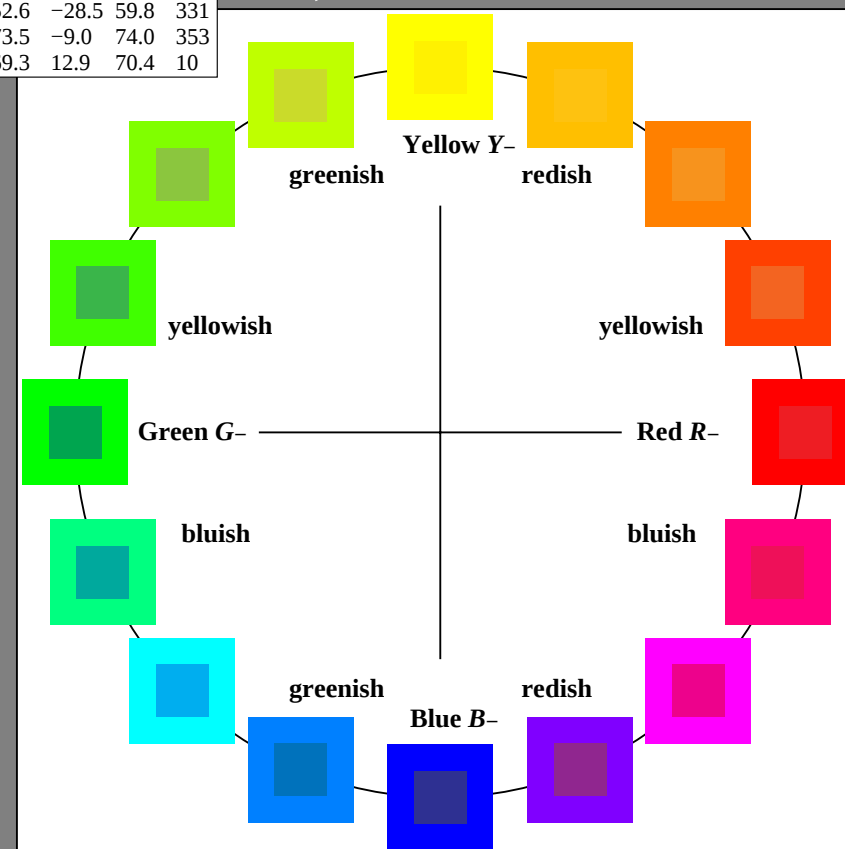
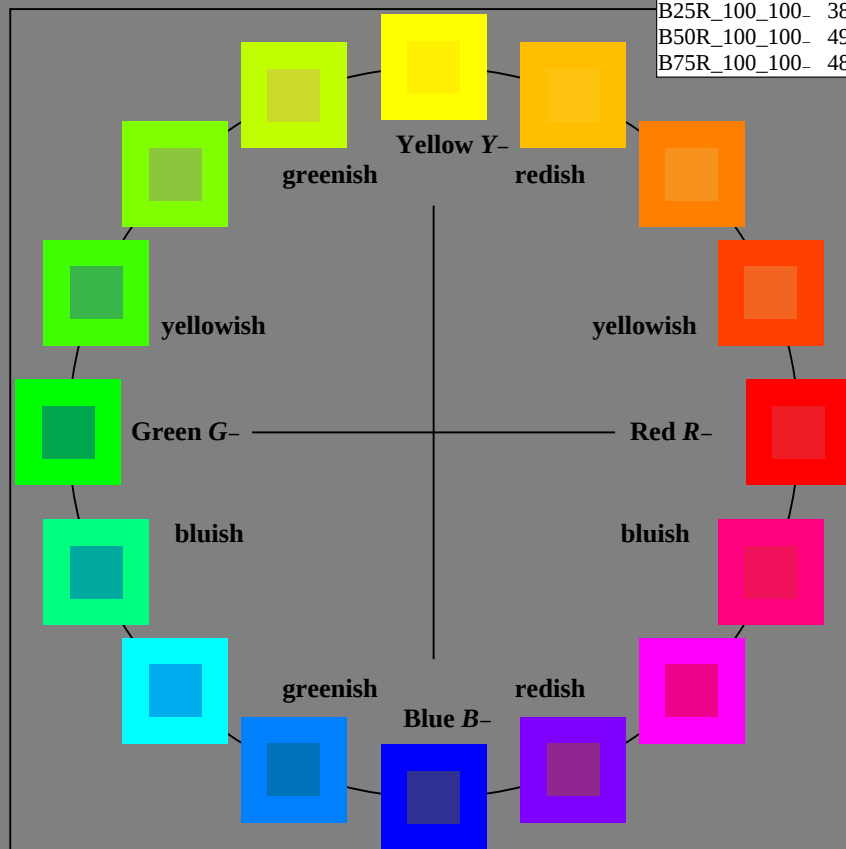
% Regularity

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

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

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
Y-,Ma	90.3	-10.2	91.7	92.3
G-,Ma	50.9	-62.8	34.9	71.9
C-,Ma	58.6	-30.3	-45.0	54.2
B-,Ma	25.7	31.0	-44.4	54.2
M-,Ma	48.1	75.2	-8.3	75.7
N-,Ma	18.0	0.0	0.0	0.0
W-,Ma	95.4	0.0	0.0	0.0
R-,CIE	39.9	58.7	27.9	65.0
Y-,CIE	81.2	-2.8	71.5	71.6
G-,CIE	52.2	-42.4	13.6	44.5
B-,CIE	30.5	1.4	-46.4	46.4



1-013030-L0

SE050-7N

TUB-test chart SE05; 16 hues, offset standard paper APCO
Test chart according to DIN 33872

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

Input and Output: Offset Reflective System ORS18a

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

 HIC_e^*

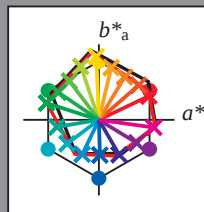
hue text for the colours

of this page:

 $H_e^* = R00Y_e, R25Y_e, \dots, B75R_e$

ORS20a; adapted (a) CIELAB data

H_e^*	$L^*=L_a^*a_a^*$	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
R00Y_100_100_e	47.6	66.3	31.6	73.4
R25Y_100_100_e	53.4	52.6	45.8	69.7
R50Y_100_100_e	62.5	34.1	56.6	66.1
R75Y_100_100_e	72.7	16.2	69.0	70.9
Y00G_100_100_e	85.1	-3.3	83.7	83.7
Y25G_100_100_e	77.6	-23.7	70.5	74.4
Y50G_100_100_e	67.2	-38.9	51.1	64.2
Y75G_100_100_e	57.9	-53.6	36.3	64.8
G00B_100_100_e	51.7	-69.1	22.1	72.6
G25B_100_100_e	54.0	-55.4	-9.3	56.2
G50B_100_100_e	56.3	-41.9	-31.5	52.4
G75B_100_100_e	51.1	-21.9	-45.6	50.6
B00R_100_100_e	36.7	1.4	-46.6	46.6
B25R_100_100_e	26.2	26.8	-46.1	53.3
B50R_100_100_e	34.9	50.0	-30.5	58.6
B75R_100_100_e	47.3	72.7	-10.1	73.5



% Gamut

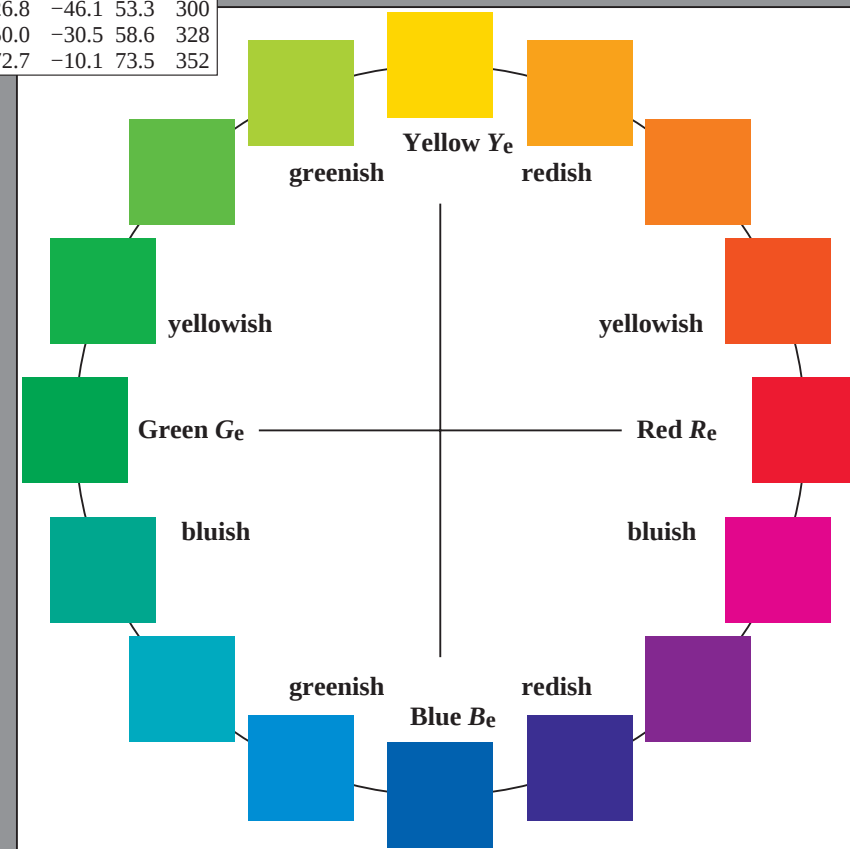
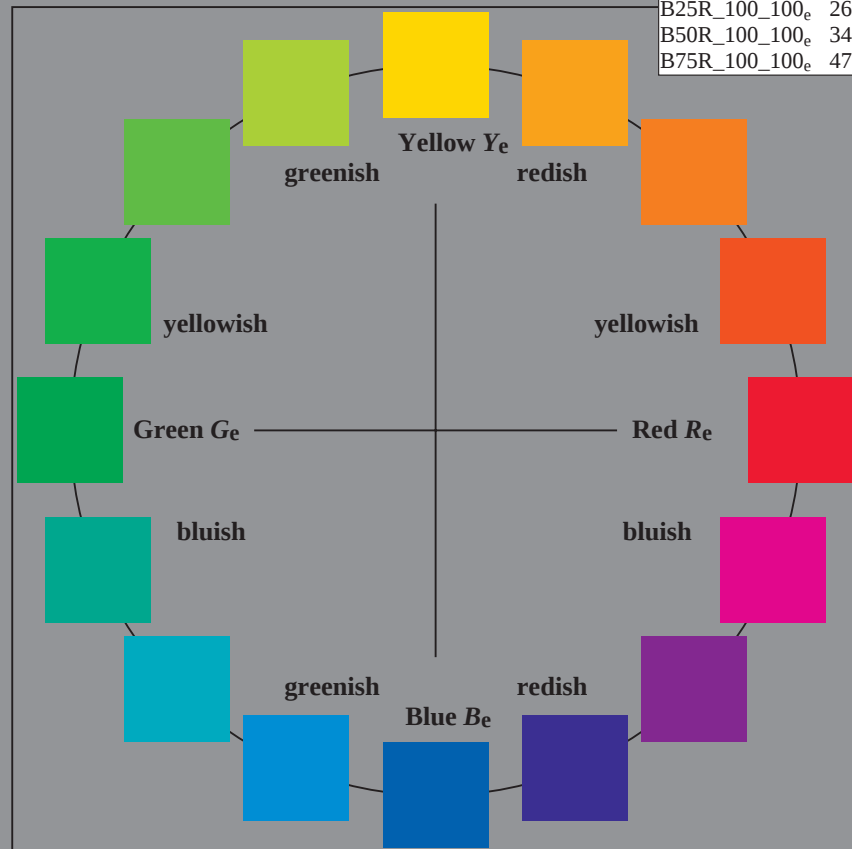
 $u^*_{rel} = 92$

% Regularity

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 58$

ORS20a; adapted (a) CIELAB data

Name	$L^*=L_a^*a_a^*$	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
R _e ,Ma	47.6	66.3	31.6	73.4
Y _e ,Ma	85.1	-3.3	83.7	83.7
G _e ,Ma	51.7	-69.1	22.1	72.6
C _e ,Ma	56.3	-41.9	-31.5	52.4
B _e ,Ma	36.7	1.4	-46.6	46.6
M _e ,Ma	34.9	50.0	-30.5	58.6
N _e ,Ma	18.5	0.0	0.0	0
W _e ,Ma	96.3	0.0	0.0	0
R _e ,CIE	39.9	58.7	27.9	65.0
Y _e ,CIE	81.2	-2.8	71.5	71.6
G _e ,CIE	52.2	-42.4	13.6	44.5
B _e ,CIE	30.5	1.4	-46.4	46.4



1-013130-L0

SE050-71

TUB-test chart SE05; 16 hues, offset standard paper APCO

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

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

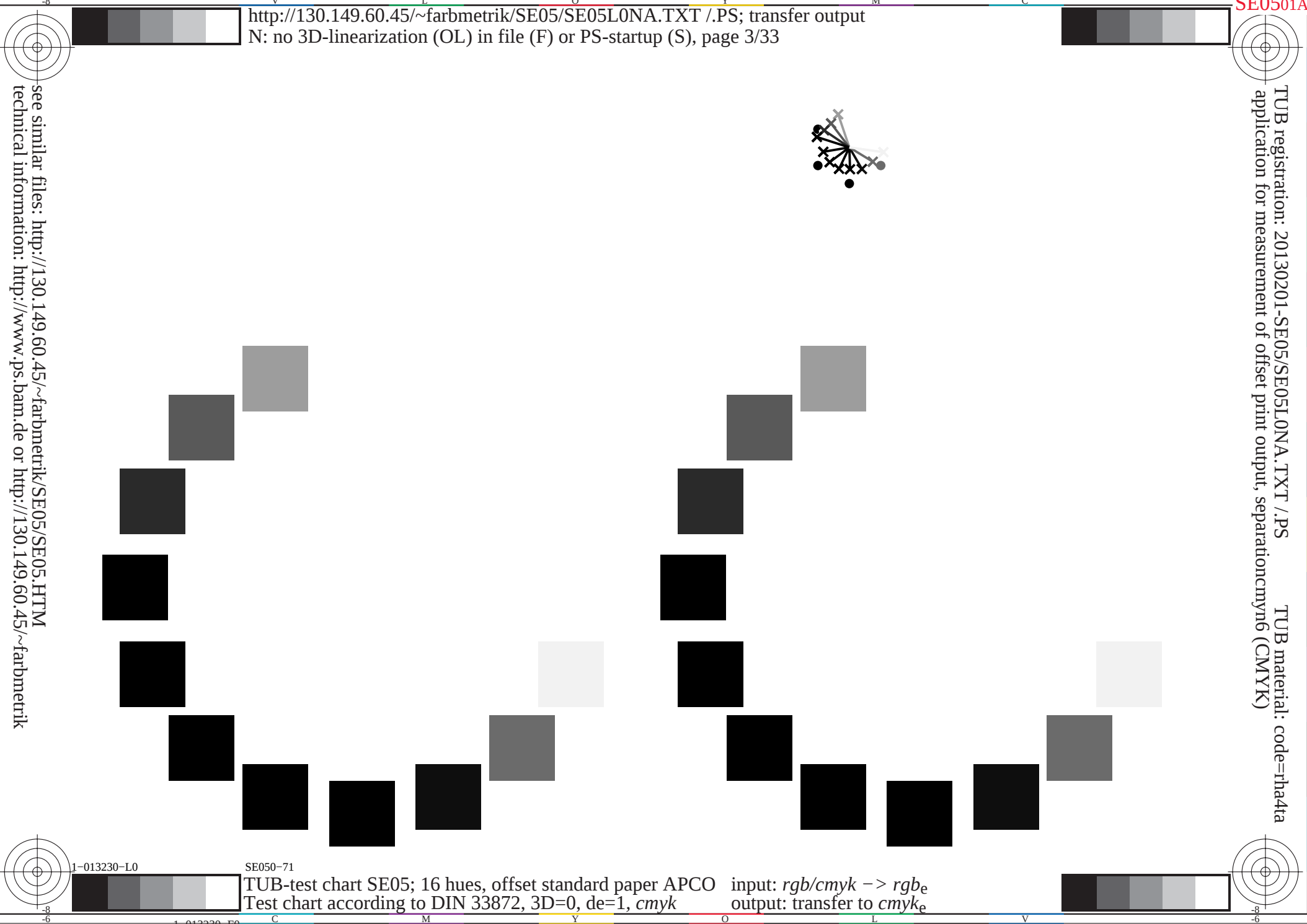


see similar files: <http://130.149.60.45/~farbmetrik/SE05/SE05.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



1-013230-L0 SE050-71
TUB-test chart SE05; 16 hues, offset standard paper APCO
Test chart according to DIN 33872, 3D=0, de=1, cmyk

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



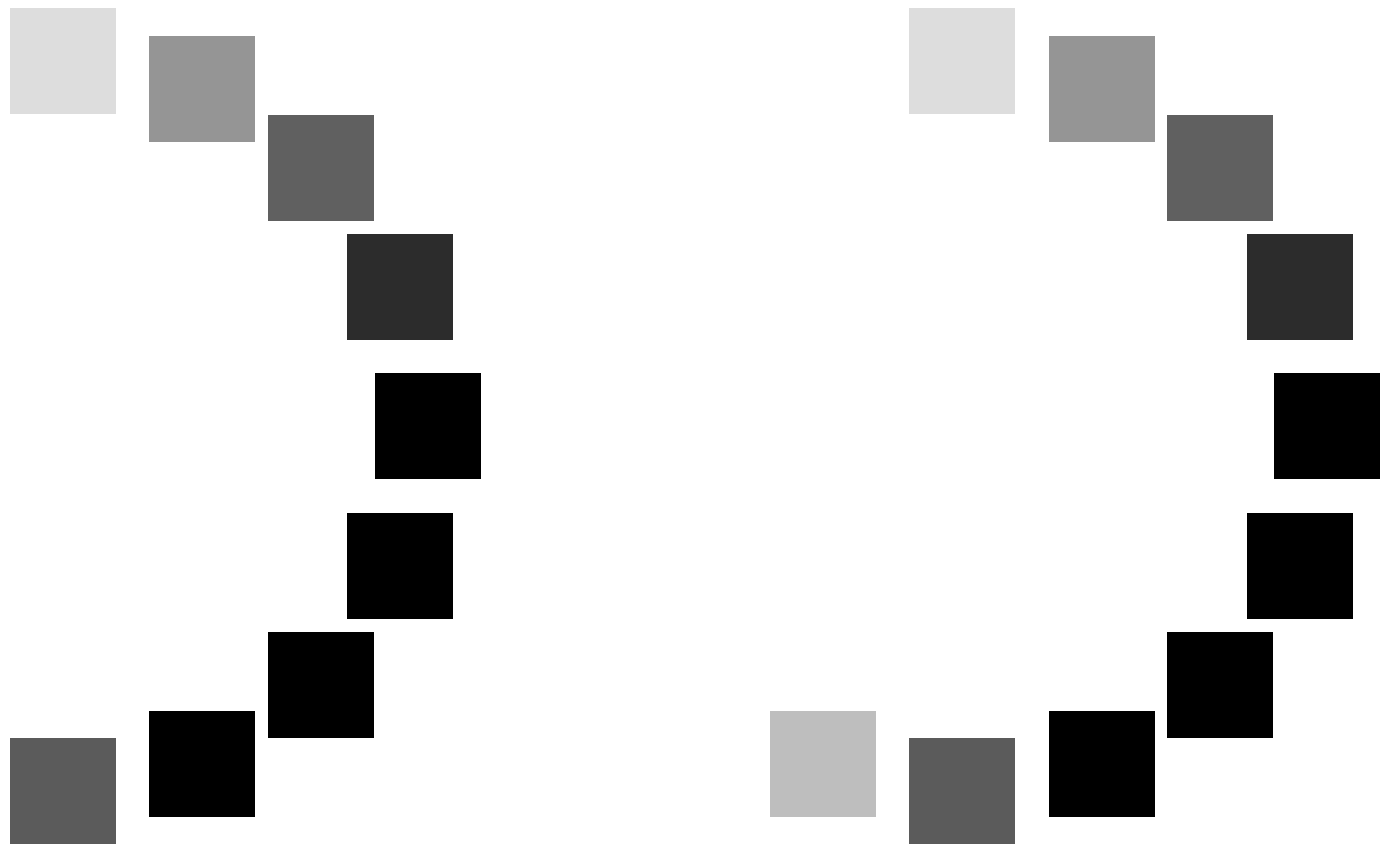


see similar files: <http://130.149.60.45/~farbmetrik/SE05/SE05.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



1-013330-L0 SE050-71
TUB-test chart SE05; 16 hues, offset standard paper APCO
Test chart according to DIN 33872, 3D=0, de=1, cmyk

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



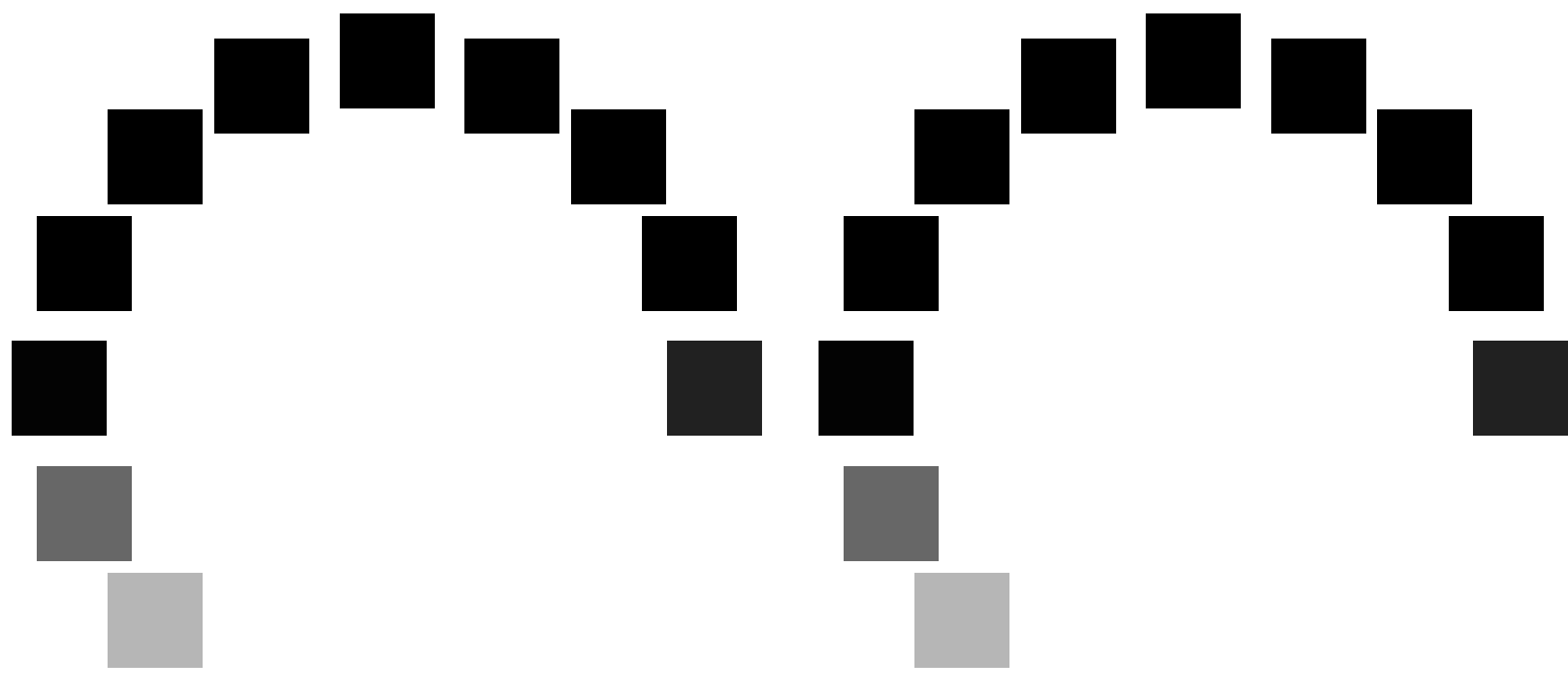
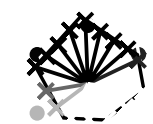
TUB registration: 20130201-SE05/SE05L0NA.TXT /.PS
application for measurement of offset print output, separationcmykn6 (CMYK)

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/SE05/SE05L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 5/33



see similar files: <http://130.149.60.45/~farbmetrik/SE05/SE05.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



1-013430-L0 SE050-71
TUB-test chart SE05; 16 hues, offset standard paper APCO
Test chart according to DIN 33872, 3D=0, de=1, cmyk
input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmyk_e$

Input and Output: Offset Reflective System ORS18a

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

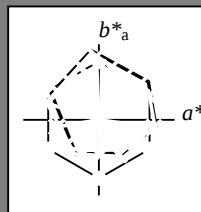
$$HIC_e^*$$

hue text for the colours
 of this page:

$$H_e^* = R00Y_e, R25Y_e, \dots, B75R_e$$

ORS20a; adapted (a) CIELAB data

H_e^*	$L^*=L_a^* a_a^*$	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
R00Y_100_100_e	47.6	66.3	31.6	73.4
R25Y_100_100_e	53.4	52.6	45.8	69.7
R50Y_100_100_e	62.5	34.1	56.6	66.1
R75Y_100_100_e	72.7	16.2	69.0	70.9
Y00G_100_100_e	85.1	-3.3	83.7	83.7
Y25G_100_100_e	77.6	-23.7	70.5	74.4
Y50G_100_100_e	67.2	-38.9	51.1	64.2
Y75G_100_100_e	57.9	-53.6	36.3	64.8
G00B_100_100_e	51.7	-69.1	22.1	72.6
G25B_100_100_e	54.0	-55.4	-9.3	56.2
G50B_100_100_e	56.3	-41.9	-31.5	52.4
G75B_100_100_e	51.1	-21.9	-45.6	50.6
B00R_100_100_e	36.7	1.4	-46.6	46.6
B25R_100_100_e	26.2	26.8	-46.1	53.3
B50R_100_100_e	34.9	50.0	-30.5	58.6
B75R_100_100_e	47.3	72.7	-10.1	73.5



% Gamut

$u^*_{rel} = 92$

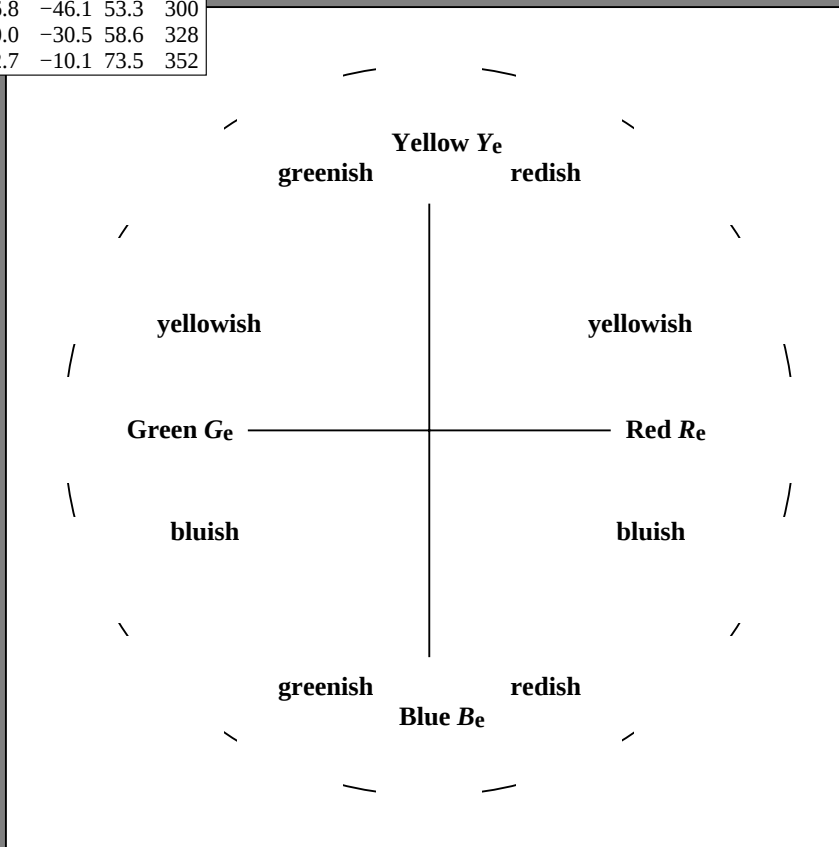
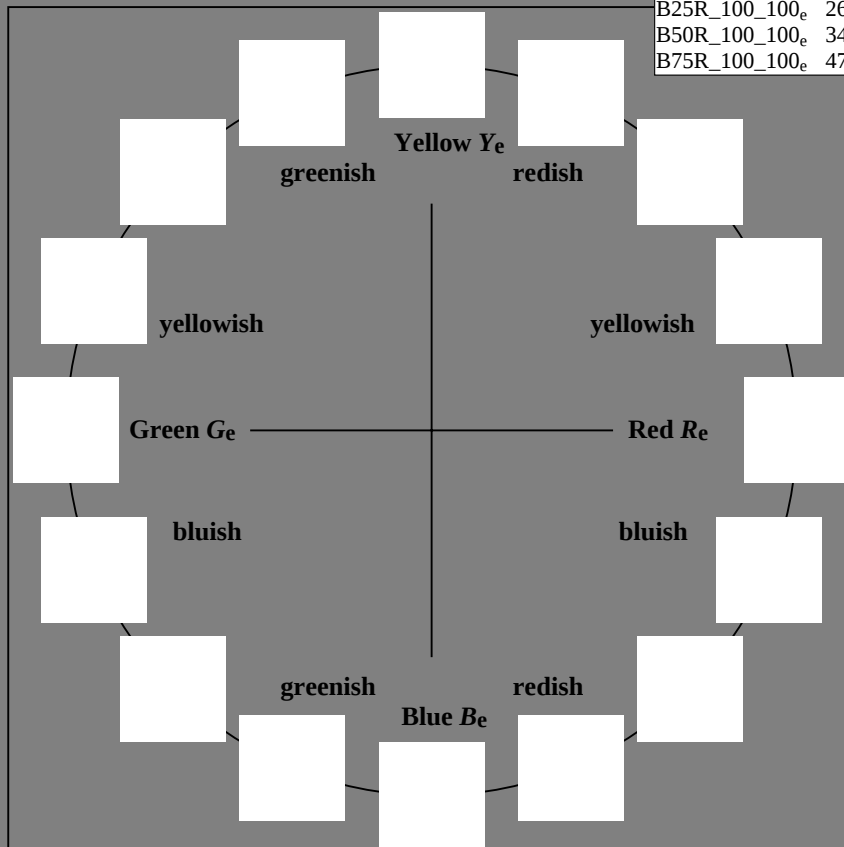
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

Name	$L^*=L_a^* a_a^*$	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
R _e ,Ma	47.6	66.3	31.6	73.4
Y _e ,Ma	85.1	-3.3	83.7	83.7
G _e ,Ma	51.7	-69.1	22.1	72.6
C _e ,Ma	56.3	-41.9	-31.5	52.4
B _e ,Ma	36.7	1.4	-46.6	46.6
M _e ,Ma	34.9	50.0	-30.5	58.6
N _e ,Ma	18.5	0.0	0.0	0
W _e ,Ma	96.3	0.0	0.0	0
R _e ,CIE	39.9	58.7	27.9	65.0
Y _e ,CIE	81.2	-2.8	71.5	71.6
G _e ,CIE	52.2	-42.4	13.6	44.5
B _e ,CIE	30.5	1.4	-46.4	46.4



1-013530-L0

SE050-71

TUB-test chart SE05; 16 hues, offset standard paper APCO
 Test chart according to DIN 33872, 3D=0, de=1, cmyk

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

1-013530-F0

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 30.4, 96.1, 161.6, 234.7, 295.7, 353.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$J=Y_d$ Yellow

$LCH^*_d = 89.4 \ 89.6 \ 96.0$

$LAB^*_d = 89.4 \ -9.5 \ 89.0$

$rgb^*_d = 1.0 \ 1.0 \ 0.0$

$L=G_d$ leaf-green

$LCH^*_d = 51.6 \ 73.1 \ 161.6$

$LAB^*_d = 51.6 \ -69.3 \ 23.0$

$rgb^*_d = 0.0 \ 1.0 \ 0.0$

$C=C_d$ cyan-blue

$LCH^*_d = 57.8 \ 55.3 \ 234.6$

$LAB^*_d = 57.8 \ -31.9 \ -45.1$

$rgb^*_d = 0.0 \ 1.0 \ 1.0$

$O=R_d$ orange-red

$LCH^*_d = 47.5 \ 76.0 \ 30.4$

$LAB^*_d = 47.5 \ 65.5 \ 38.4$

$rgb^*_d = 1.0 \ 0.0 \ 0.0$

$M=M_d$ magenta-red

$LCH^*_d = 48.2 \ 74.7 \ 353.2$

$LAB^*_d = 48.2 \ 74.2 \ -8.7$

$rgb^*_d = 1.0 \ 0.0 \ 1.0$

$V=B_d$ violet-blue

$LCH^*_d = 24.9 \ 53.0 \ 295.6$

$LAB^*_d = 24.9 \ 22.9 \ -47.8$

$rgb^*_d = 0.0 \ 0.0 \ 1.0$

Y_e yellow

$LCH^*_e = 85.1 \ 83.7 \ 92.3$

$LAB^*_e = 85.1 \ -3.3 \ 83.7$

$rgb^*_{de} = 1.0 \ 0.868 \ 0.0$

G_e green

$LCH^*_e = 51.7 \ 72.6 \ 162.2$

$LAB^*_e = 51.7 \ -69.1 \ 22.1$

$rgb^*_{de} = 0.0 \ 1.0 \ 0.011$

C_e blue-green

$LCH^*_e = 56.3 \ 52.4 \ 216.9$

$LAB^*_e = 56.3 \ -41.9 \ -31.5$

$rgb^*_{de} = 0.0 \ 1.0 \ 0.712$

B_e blue

$LCH^*_e = 36.7 \ 46.6 \ 271.7$

$LAB^*_e = 36.7 \ 1.4 \ -46.6$

$rgb^*_{de} = 0.0 \ 0.358 \ 1.0$

R_e red

$LCH^*_e = 47.6 \ 73.4 \ 25.4$

$LAB^*_e = 47.6 \ 66.3 \ 31.6$

$rgb^*_{de} = 1.0 \ 0.0 \ 0.131$

M_e blue-red

$LCH^*_e = 34.9 \ 58.6 \ 328.6$

$LAB^*_e = 34.9 \ 50.0 \ -30.5$

$rgb^*_{de} = 0.42 \ 0.0 \ 1.0$

Y_s yellow

$LCH^*_s = 82.9 \ 81.0 \ 90.0$

$LAB^*_s = 82.9 \ 0.0 \ 81.0$

$rgb^*_{ds} = 1.0 \ 0.812 \ 0.0$

G_s green

$LCH^*_s = 56.4 \ 65.7 \ 150.0$

$LAB^*_s = 56.4 \ -56.9 \ 32.8$

$rgb^*_{ds} = 0.117 \ 1.0 \ 0.0$

R_s red

$LCH^*_s = 47.5 \ 75.8 \ 30.0$

$LAB^*_s = 47.5 \ 65.6 \ 37.9$

$rgb^*_{ds} = 1.0 \ 0.0 \ 0.01$

M_s blue-red

$LCH^*_s = 35.6 \ 59.1 \ 330.0$

$LAB^*_s = 35.6 \ 51.2 \ -29.5$

$rgb^*_{ds} = 0.443 \ 0.0 \ 1.0$

C_s blue-green

$LCH^*_s = 55.5 \ 52.6 \ 210.0$

$LAB^*_s = 55.5 \ -45.6 \ -26.3$

$rgb^*_{ds} = 0.0 \ 1.0 \ 0.63$

B_s blue

$LCH^*_s = 37.5 \ 46.4 \ 270.0$

$LAB^*_s = 37.5 \ 0.0 \ -46.4$

$rgb^*_{ds} = 0.0 \ 0.38 \ 1.0$

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 $h_{ab,s}$ use for any device values rgb^*_e the equation:

$$h_{ab,s} = \text{atan} [r^*_d \cos(30) + g^*_d \cos(150)] / [r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270)] \quad (1)$$

3. For the 48 or 360 equally spaced standard hue angles $h_{ab,s}$ of the colours of maximum chroma use the seven hue angles of the 60 degree colours s : $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:

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

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

4. For the 48 or 360 elementary hue angles $h_{ab,e}$ of the colours of maximum chroma use the seven hue angles of the elementary colours e : $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:

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

$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$

5. For any elementary hue angle $h_{ab,e}$ 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^*_{de} produce the output of the device-independent elementary hues

1-013630-L0

SE050-71

$LAB^*la0, YN=0\%$, $XYZZnw=2.5, 2.6, 2.7, 86.0, 90.9, 95.9$, $LAB^*nw=18.5, 0.0, 0.0, 96.4, 0.0, 0.0$

Output: Offset standard print; separation cmyn6*, D65, page 7/33

TUB-test chart SE05; 16 hues, offset standard paper APCO
48 step hue circles; $rgb-LabCh^*$ tables, 3D=0, de=1, $cm\dot{y}k$

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

1-013630-F0

Data of Maximum color M in colorimetric system Offset standard print; separation cmykn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM₆: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours RYGBM_d: $h_{ab,d} = 30.4, 96.1, 161.6, 234.7, 295.7, 353.2$; Six hue angles of the elementary colours RYGBM_e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	$LAB^*_{ddx64M}(x=LabCh)$	$rgb^*_{ddx361M}$	$LAB^*_{ddx361M}(x=LabCh)$	$rgb^*_{dsx361M}$	$LAB^*_{dsx361M}(x=LabCh)$	$rgb^*_{dex361M}$	$LAB^*_{dex361M}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
30.4	30.0	25.4	1.0	0.0	0.0	47.5	65.5	38.4	76.0	30.4	1.0	0.0	0.0
37.2	37.5	33.8	1.0	0.125	0.0	51.5	56.6	43.1	71.2	37.2	1.0	0.125	0.0
47.2	45.0	42.1	1.0	0.25	0.0	56.6	45.8	49.4	67.4	47.2	1.0	0.25	0.0
58.6	52.5	50.5	1.0	0.375	0.0	62.3	34.4	56.4	66.1	58.6	1.0	0.375	0.0
69.1	60.0	58.8	1.0	0.5	0.0	68.1	24.0	63.0	67.4	69.1	1.0	0.5	0.0
80.3	67.5	67.2	1.0	0.625	0.0	74.9	12.1	71.5	72.5	80.3	1.0	0.625	0.0
87.4	75.0	75.6	1.0	0.75	0.0	80.5	3.4	78.0	78.1	87.4	1.0	0.75	0.0
92.5	82.5	83.9	1.0	0.875	0.0	85.4	-3.7	84.0	84.0	92.5	1.0	0.875	0.0
96.0	90.0	92.3	1.0	1.0	0.0	89.4	-9.5	89.0	89.6	96.0	1.0	1.0	0.0
99.5	97.5	101.0	0.875	1.0	0.0	86.7	-13.9	82.7	83.8	99.5	0.883	1.0	0.0
102.9	105.0	109.7	0.75	1.0	0.0	83.7	-17.7	77.1	79.2	102.9	0.75	1.0	0.0
107.9	112.5	118.5	0.625	1.0	0.0	77.9	-23.1	71.3	75.0	107.9	0.633	1.0	0.0
116.4	120.0	127.2	0.5	1.0	0.0	73.1	-30.2	60.8	67.9	116.4	0.5	1.0	0.0
124.5	127.5	136.0	0.375	1.0	0.0	68.8	-36.5	53.0	64.4	124.5	0.383	1.0	0.0
138.2	135.0	144.7	0.25	1.0	0.0	60.8	-47.5	42.4	63.7	138.2	0.25	1.0	0.0
149.2	142.5	153.4	0.125	1.0	0.0	56.7	-56.1	33.3	65.2	149.2	0.133	1.0	0.0
161.6	150.0	162.2	0.0	1.0	0.0	51.6	-69.3	23.0	73.1	161.6	0.0	1.0	0.0
168.3	157.5	169.0	0.0	1.0	0.125	52.3	-66.1	13.6	67.5	168.3	0.0	1.0	0.125
176.2	165.0	175.9	0.0	1.0	0.25	53.0	-61.8	4.0	61.9	176.2	0.0	1.0	0.25
186.9	172.5	182.7	0.0	1.0	0.375	53.8	-56.5	-6.8	56.9	186.9	0.0	1.0	0.375
198.8	180.0	189.6	0.0	1.0	0.5	54.6	-50.8	-17.3	53.7	198.8	0.0	1.0	0.5
209.5	187.5	196.4	0.0	1.0	0.625	55.4	-45.8	-25.9	52.6	209.5	0.0	1.0	0.625
220.1	195.0	203.2	0.0	1.0	0.75	56.6	-40.0	-33.7	52.4	220.1	0.0	1.0	0.75
227.6	202.5	210.1	0.0	1.0	0.875	57.2	-36.1	-39.6	53.6	227.6	0.0	1.0	0.875
234.6	210.0	216.9	0.0	1.0	1.0	57.8	-31.9	-45.1	55.3	234.6	0.0	1.0	1.0
238.7	217.5	223.8	0.0	0.875	1.0	54.9	-27.5	-45.3	53.0	238.7	0.0	0.883	1.0
244.0	225.0	230.6	0.0	0.75	1.0	51.3	-22.1	-45.6	50.7	244.0	0.0	0.75	1.0
250.7	232.5	237.5	0.0	0.625	1.0	47.2	-16.0	-45.9	48.7	250.7	0.0	0.633	1.0
260.4	240.0	244.3	0.0	0.5	1.0	42.3	-7.7	-46.3	46.9	260.4	0.0	0.5	1.0
270.4	247.5	251.2	0.0	0.375	1.0	37.3	0.3	-46.4	46.4	270.4	0.0	0.383	1.0
280.2	255.0	258.0	0.0	0.25	1.0	32.7	8.5	-47.0	47.8	280.2	0.0	0.25	1.0
289.3	262.5	264.8	0.0	0.125	1.0	28.1	16.7	-47.6	50.4	289.3	0.0	0.133	1.0
295.6	270.0	271.7	0.0	0.0	1.0	24.9	22.9	-47.8	53.0	295.6	0.0	0.0	1.0
305.9	277.5	278.8	0.125	0.0	1.0	27.8	31.4	-43.4	53.6	305.9	0.117	0.0	1.0
311.7	285.0	285.9	0.25	0.0	1.0	29.9	36.0	-40.4	54.1	311.7	0.25	0.0	1.0
325.9	292.5	293.0	0.375	0.0	1.0	33.7	47.7	-32.2	57.5	325.9	0.367	0.0	1.0
333.2	300.0	300.1	0.5	0.0	1.0	37.0	53.9	-27.1	60.4	333.2	0.5	0.0	1.0
339.6	307.5	307.2	0.625	0.0	1.0	40.2	59.7	-22.1	63.7	339.6	0.617	0.0	1.0
346.7	315.0	314.3	0.75	0.0	1.0	43.3	66.7	-15.7	68.5	346.7	0.75	0.0	1.0
350.3	322.5	321.4	0.875	0.0	1.0	45.9	70.7	-12.0	71.7	350.3	0.867	0.0	1.0
353.2	330.0	328.6	1.0	0.0	1.0	48.2	74.2	-8.7	74.7	353.2	1.0	0.0	1.0
356.1	337.5	335.7	1.0	0.0	0.875	48.2	73.1	-4.9	73.3	356.1	1.0	0.0	0.883
359.3	345.0	342.8	1.0	0.0	0.75	48.1	72.1	-0.7	72.1	359.3	1.0	0.0	0.75
364.0	352.5	349.9	1.0	0.0	0.625	48.0	70.7	4.9	70.9	364.0	1.0	0.0	0.633
369.2	360.0	357.0	1.0	0.0	0.5	47.8	69.7	11.3	70.6	369.2	1.0	0.0	0.5
375.0	367.5	364.1	1.0	0.0	0.375	47.8	68.2	18.3	70.6	375.0	1.0	0.0	0.383
380.8	375.0	371.2	1.0	0.0	0.25	47.8	67.0	25.4	71.7	380.8	1.0	0.0	0.25
385.7	382.5	378.3	1.0	0.0	0.125	47.6	66.2	31.9	73.5	385.7	1.0	0.0	0.133
390.4	390.0	385.4	1.0	0.0	0.0	47.5	65.5	38.4	76.0	390.4	1.0	0.0	0.0

1-013730-L0

SE050-71

LAB*la0, YN=0%, XYZnw=2.5, 2.6, 2.7, 86.0, 90.9, 95.9, LAB*nw=18.5, 0.0, 0.0, 96.4, 0.0, 0.0

Output: Offset standard print; separation cmykn6*, D65, page 8/33

TUB-test chart SE05; 16 hues, offset standard paper APCO
48 step hue circles; $rgb-LabCh$ *tables, 3D=0, de=1, $cmyk$

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

TUB registration: 20130201-SE05/SE05L0NA.TXT /PS
application for measurement of offset print output, separation cmykn6 (CMYK)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 30.4, 96.1, 161.6, 234.7, 295.7, 353.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	LAB^*_{ddx64M} (x=LabCh)	$rgb^*_{dex361M}$	$LAB^*_{dex361M}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	
30.4	30.0	25.4	1.0	0.0	0.0	47.5	65.5	38.4	76.0	30.4
37.2	37.5	33.8	1.0	0.125	0.0	51.5	56.6	43.1	71.2	37.2
47.2	45.0	42.1	1.0	0.25	0.0	56.6	45.8	49.4	67.4	47.2
58.6	52.5	50.5	1.0	0.375	0.0	62.3	34.4	56.4	66.1	58.6
69.1	60.0	58.8	1.0	0.5	0.0	68.1	24.0	63.0	67.4	69.1
80.3	67.5	67.2	1.0	0.625	0.0	74.9	12.1	71.5	72.5	80.3
87.4	75.0	75.6	1.0	0.75	0.0	80.5	3.4	78.0	78.1	87.4
92.5	82.5	83.9	1.0	0.875	0.0	85.4	-3.7	84.0	84.0	92.5
96.0	90.0	92.3	1.0	1.0	0.0	89.4	-9.5	89.0	89.6	96.0
99.5	97.5	101.0	0.875	1.0	0.0	86.7	-13.9	82.7	83.8	99.5
102.9	105.0	109.7	0.75	1.0	0.0	83.7	-17.7	77.1	79.2	102.9
107.9	112.5	118.5	0.625	1.0	0.0	77.9	-23.1	71.3	75.0	107.9
116.4	120.0	127.2	0.5	1.0	0.0	73.1	-30.2	60.8	67.9	116.4
124.5	127.5	136.0	0.375	1.0	0.0	68.8	-36.5	53.0	64.4	124.5
138.2	135.0	144.7	0.25	1.0	0.0	60.8	-47.5	42.4	63.7	138.2
149.2	142.5	153.4	0.125	1.0	0.0	56.7	-56.1	33.3	65.2	149.2
161.6	150.0	162.2	0.0	1.0	0.0	51.6	-69.3	23.0	73.1	161.6
168.3	157.5	169.0	0.0	1.0	0.125	52.3	-66.1	13.6	67.5	168.3
176.2	165.0	175.9	0.0	1.0	0.25	53.0	-61.8	4.0	61.9	176.2
186.9	172.5	182.7	0.0	1.0	0.375	53.8	-56.5	-6.8	56.9	186.9
198.8	180.0	189.6	0.0	1.0	0.5	54.6	-50.8	-17.3	53.7	198.8
209.5	187.5	196.4	0.0	1.0	0.625	55.4	-45.8	-25.9	52.6	209.5
220.1	195.0	203.2	0.0	1.0	0.75	56.6	-40.0	-33.7	52.4	220.1
227.6	202.5	210.1	0.0	1.0	0.875	57.2	-36.1	-39.6	53.6	227.6
234.6	210.0	216.9	0.0	1.0	1.0	57.8	-31.9	-45.1	55.3	234.6
238.7	217.5	223.8	0.0	0.875	1.0	54.9	-27.5	-45.3	53.0	238.7
244.0	225.0	230.6	0.0	0.75	1.0	51.3	-22.1	-45.6	50.7	244.0
250.7	232.5	237.5	0.0	0.625	1.0	47.2	-16.0	-45.9	48.7	250.7
260.4	240.0	244.3	0.0	0.5	1.0	42.3	-7.7	-46.3	46.9	260.4
270.4	247.5	251.2	0.0	0.375	1.0	37.3	0.3	-46.4	46.4	270.4
280.2	255.0	258.0	0.0	0.25	1.0	32.7	8.5	-47.0	47.8	280.2
289.3	262.5	264.8	0.0	0.125	1.0	28.1	16.7	-47.6	50.4	289.3
295.6	270.0	271.7	0.0	0.0	1.0	24.9	22.9	-47.8	53.0	295.6
305.9	277.5	278.8	0.125	0.0	1.0	27.8	31.4	-43.4	53.6	305.9
311.7	285.0	285.9	0.25	0.0	1.0	29.9	36.0	-40.4	54.1	311.7
325.9	292.5	293.0	0.375	0.0	1.0	33.7	47.7	-32.2	57.5	325.9
333.2	300.0	300.1	0.5	0.0	1.0	37.0	53.9	-27.1	60.4	333.2
339.6	307.5	307.2	0.625	0.0	1.0	40.2	59.7	-22.1	63.7	339.6
346.7	315.0	314.3	0.75	0.0	1.0	43.3	66.7	-15.7	68.5	346.7
350.3	322.5	321.4	0.875	0.0	1.0	45.9	70.7	-12.0	71.7	350.3
353.2	330.0	328.6	1.0	0.0	1.0	48.2	74.2	-8.7	74.7	353.2
356.1	337.5	335.7	1.0	0.0	0.875	48.2	73.1	-4.9	73.3	356.1
359.3	345.0	342.8	1.0	0.0	0.75	48.1	72.1	-0.7	72.1	359.3
364.0	352.5	349.9	1.0	0.0	0.625	48.0	70.7	4.9	70.9	364.0
369.2	360.0	357.0	1.0	0.0	0.5	47.8	69.7	11.3	70.6	369.2
375.0	367.5	364.1	1.0	0.0	0.375	47.8	68.2	18.3	70.6	375.0
380.8	375.0	371.2	1.0	0.0	0.25	47.8	67.0	25.4	71.7	380.8
385.7	382.5	378.3	1.0	0.0	0.125	47.6	66.2	31.9	73.5	385.7
390.4	390.0	385.4	1.0	0.0	0.0	47.5	65.5	38.4	76.0	390.4

TUB registration: 20130201-SE05/SE05L0NA.TXT /PS
application for measurement of offset print output, separationcmy6 (CMYK)

TUB material: code=rh4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_c$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 30.4, 96.1, 161.6, 234.7, 295.7, 353.2$; Six hue angles of the elementary colours $RYGCBM_c$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi}(x=LabCh)$	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	R_s	$rgb^*_{dd361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	R_e	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
30	30	25	1.0	0.0	0.0	47.5	65.5	38.4	76.0	30	1.0	0.0	0.0	0.0	0.0
31	31	26	1.0	0.016	0.0	48.0	64.4	39.2	75.4	31	1.0	0.017	0.0		
32	32	27	1.0	0.033	0.0	48.5	63.2	39.8	74.7	32	1.0	0.033	0.0		
33	33	28	1.0	0.05	0.0	49.1	62.0	40.5	74.1	33	1.0	0.05	0.0		
34	34	29	1.0	0.066	0.0	49.6	60.8	41.1	73.4	34	1.0	0.067	0.0		
34	35	31	1.0	0.083	0.0	50.2	59.6	41.7	72.8	34	1.0	0.083	0.0		
35	36	32	1.0	0.1	0.0	50.7	58.4	42.3	72.1	35	1.0	0.1	0.0		
36	37	33	1.0	0.116	0.0	51.2	57.2	42.8	71.5	36	1.0	0.117	0.0		
37	38	34	1.0	0.133	0.0	51.8	55.9	43.6	70.9	37	1.0	0.133	0.0		
39	39	35	1.0	0.15	0.0	52.5	54.5	44.5	70.4	39	1.0	0.15	0.0		
40	40	36	1.0	0.166	0.0	53.2	53.1	45.5	69.9	40	1.0	0.167	0.0		
41	41	37	1.0	0.183	0.0	53.9	51.7	46.3	69.4	41	1.0	0.183	0.0		
43	42	38	1.0	0.2	0.0	54.5	50.2	47.2	68.9	43	1.0	0.2	0.0		
44	43	39	1.0	0.216	0.0	55.2	48.7	48.0	68.4	44	1.0	0.217	0.0		
45	44	41	1.0	0.233	0.0	55.9	47.3	48.7	67.9	45	1.0	0.233	0.0		
47	45	42	1.0	0.25	0.0	56.6	45.8	49.4	67.4	47	1.0	0.25	0.0		
48	46	43	1.0	0.266	0.0	57.3	44.3	50.5	67.2	48	1.0	0.267	0.0		
50	47	44	1.0	0.283	0.0	58.1	42.8	51.5	67.0	50	1.0	0.283	0.0		
51	48	45	1.0	0.3	0.0	58.9	41.4	52.5	66.9	51	1.0	0.3	0.0		
53	49	46	1.0	0.316	0.0	59.6	39.8	53.5	66.7	53	1.0	0.317	0.0		
54	50	47	1.0	0.333	0.0	60.4	38.3	54.3	66.5	54	1.0	0.333	0.0		
56	51	48	1.0	0.35	0.0	61.2	36.7	55.2	66.3	56	1.0	0.35	0.0		
57	52	49	1.0	0.366	0.0	62.0	35.2	56.0	66.2	57	1.0	0.367	0.0		
59	53	51	1.0	0.383	0.0	62.7	33.7	56.9	66.2	59	1.0	0.383	0.0		
60	54	52	1.0	0.4	0.0	63.5	32.4	57.9	66.3	60	1.0	0.4	0.0		
62	55	53	1.0	0.416	0.0	64.2	31.1	58.8	66.5	62	1.0	0.417	0.0		
63	56	54	1.0	0.433	0.0	65.0	29.7	59.7	66.7	63	1.0	0.433	0.0		
64	57	55	1.0	0.45	0.0	65.8	28.3	60.6	66.9	64	1.0	0.45	0.0		
66	58	56	1.0	0.466	0.0	66.5	26.9	61.4	67.0	66	1.0	0.467	0.0		
67	59	57	1.0	0.483	0.0	67.3	25.4	62.2	67.2	67	1.0	0.483	0.0		
69	60	58	1.0	0.5	0.0	68.1	24.0	63.0	67.4	69	1.0	0.5	0.0		
70	61	60	1.0	0.516	0.0	69.0	22.5	64.2	68.1	70	1.0	0.517	0.0		
72	62	61	1.0	0.533	0.0	69.9	21.1	65.5	68.8	72	1.0	0.533	0.0		
73	63	62	1.0	0.55	0.0	70.8	19.6	66.6	69.5	73	1.0	0.55	0.0		
75	64	63	1.0	0.566	0.0	71.7	18.0	67.8	70.1	75	1.0	0.567	0.0		
76	65	64	1.0	0.583	0.0	72.6	16.4	68.9	70.8	76	1.0	0.583	0.0		
78	66	65	1.0	0.6	0.0	73.6	14.7	70.0	71.5	78	1.0	0.6	0.0		
79	67	66	1.0	0.616	0.0	74.5	13.0	71.0	72.2	79	1.0	0.617	0.0		
80	68	67	1.0	0.633	0.0	75.3	11.6	72.0	72.9	80	1.0	0.633	0.0		
81	69	68	1.0	0.65	0.0	76.0	10.5	72.9	73.6	81	1.0	0.65	0.0		
82	70	70	1.0	0.666	0.0	76.8	9.4	73.8	74.4	82	1.0	0.667	0.0		
83	71	71	1.0	0.683	0.0	77.5	8.3	74.7	75.1	83	1.0	0.683	0.0		
84	72	72	1.0	0.7	0.0	78.3	7.1	75.5	75.9	84	1.0	0.7	0.0		
85	73	73	1.0	0.716	0.0	79.0	5.9	76.4	76.6	85	1.0	0.717	0.0		
86	74	74	1.0	0.733	0.0	79.8	4.7	77.2	77.3	86	1.0	0.733	0.0		
87	75	75	1.0	0.75	0.0	80.5	3.4	78.0	78.1	87	1.0	0.75	0.0		

1-013930-L0 SE050-71 LAB*la0, YN=0%, XYZnw=2.5, 2.6, 2.7, 86.0, 90.9, 95.9, LAB*nmw=18.5, 0.0, 0.0, 96.4, 0.0, 0.0

Output: Offset standard print; separation cmy6*, D65, page 10/33

TUB-test chart SE05; 16 hues, offset standard paper APCO input: $rgb/cmyk \rightarrow rgb_e$
48 step hue circles; $rgb-LabCh^*$ tables, 3D=0, de=1, $cmyk$ output: transfer to $cmyk_e$

see similar files: <http://130.149.60.45/~farbmetrik/SE05/SE05L0NA.TXT> /PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE05/SE05L0NA.TXT /PS
application for measurement of offset print output, separation cmy6 (CMYK)
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmycn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 30.4, 96.1, 161.6, 234.7, 295.7, 353.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$			$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}					$LAB^*_{dsx361Mi}(x=LabCh)$					$rgb^*_{ds361Mi}$					$LAB^*_{dsx361Mi}(x=LabCh)$					$rgb^*_{dd361Mi}$					$rgb^*_{de361Mi}$					$LAB^*_{dex361Mi}(x=LabCh)$					$rgb^*_{dd361Mi}$					$rgb^*_{dd361Mi}$					$rgb^*_{ds361Mi}$					$rgb^*_{de361Mi}$																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
176	165	175	0.0	1.0	0.25	53.0	-61.8	4.0	61.9	176	0.0	1.0	0.063	52.0	-67.8	18.2	70.3	165	0.0	1.0	0.25	0.0	1.0	0.244	53.0	-62.0	4.4	62.2	175	0.0	1.0	0.25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												</

TUB-test chart SE05; 16 hues, offset standard paper APCO input: $rgb/cmyk \rightarrow rgb_e$
48 step hue circles; $rgb-LabCh^*$ tables, 3D=0, de=1, $cmyk$ output: transfer to $cmyk_e$

Output: Offset standard print; separation cmycn6*, D65, page 13/33

TUB registration: 20130201-SE05/SE05L0NA.TXT /PS
application for measurement of offset print output, separation cmycn6 (CMYK)
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmietrik/SE05/SE05.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmietrik>

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn*₆, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*_S; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 30.4, 96.1, 161.6, 234.7, 295.7, 353.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$			$h_{ab,s}$			$rgb^*dd361M$			$LAB^*ddx361Mi(x=LabCh)$			$rgb^*ds361Mi$			$LAB^*dsx361Mi(x=LabCh)$			$rgb^*dd361Mi$			$rgb^*de361Mi$			$LAB^*dex361Mi(x=LabCh)$			$rgb^*dd361Mi$					
280	255	258	0.0	0.25	1.0	32.7	8.5	-47.0	47.8	280	0.0	0.57	1.0	45.1	-12.3	-46.2	47.9	255	0.0	0.25	1.0	0.0	0.531	1.0	43.6	-9.7	-46.3	47.4	258	0.0	0.25	1.0
281	256	258	0.0	0.233	1.0	32.1	9.5	-47.2	48.1	281	0.0	0.557	1.0	44.6	-11.5	-46.2	47.8	256	0.0	0.233	1.0	0.0	0.519	1.0	43.1	-8.9	-46.3	47.2	258	0.0	0.233	1.0
282	257	259	0.0	0.216	1.0	31.5	10.6	-47.3	48.5	282	0.0	0.545	1.0	44.1	-10.6	-46.3	47.6	257	0.0	0.217	1.0	0.0	0.507	1.0	42.7	-8.2	-46.2	47.1	259	0.0	0.217	1.0
283	258	260	0.0	0.2	1.0	30.9	11.7	-47.4	48.8	283	0.0	0.532	1.0	43.6	-9.8	-46.3	47.4	258	0.0	0.2	1.0	0.0	0.496	1.0	42.2	-7.4	-46.2	47.0	260	0.0	0.2	1.0
285	259	261	0.0	0.183	1.0	30.2	12.8	-47.5	49.2	285	0.0	0.519	1.0	43.1	-8.9	-46.3	47.2	259	0.0	0.183	1.0	0.0	0.484	1.0	41.7	-6.7	-46.3	46.9	261	0.0	0.183	1.0
286	260	262	0.0	0.166	1.0	29.6	13.9	-47.5	49.5	286	0.0	0.506	1.0	42.6	-8.1	-46.2	47.1	260	0.0	0.167	1.0	0.0	0.473	1.0	41.3	-5.9	-46.4	46.9	262	0.0	0.167	1.0
287	261	263	0.0	0.15	1.0	29.0	15.0	-47.6	49.9	287	0.0	0.493	1.0	42.1	-7.2	-46.3	46.9	261	0.0	0.15	1.0	0.0	0.461	1.0	40.8	-5.2	-46.4	46.8	263	0.0	0.15	1.0
288	262	264	0.0	0.133	1.0	28.4	16.1	-47.6	50.3	288	0.0	0.481	1.0	41.6	-6.4	-46.3	46.9	262	0.0	0.133	1.0	0.0	0.45	1.0	40.3	-4.4	-46.5	46.8	264	0.0	0.133	1.0
289	263	265	0.0	0.116	1.0	27.8	17.1	-47.6	50.6	289	0.0	0.468	1.0	41.1	-5.6	-46.4	46.8	263	0.0	0.117	1.0	0.0	0.439	1.0	39.9	-3.7	-46.5	46.7	265	0.0	0.117	1.0
290	264	266	0.0	0.1	1.0	27.4	17.9	-47.7	50.9	290	0.0	0.455	1.0	40.6	-4.8	-46.4	46.8	264	0.0	0.1	1.0	0.0	0.427	1.0	39.4	-2.9	-46.5	46.7	266	0.0	0.1	1.0
291	265	267	0.0	0.083	1.0	27.0	18.8	-47.7	51.3	291	0.0	0.443	1.0	40.1	-4.0	-46.5	46.7	265	0.0	0.083	1.0	0.0	0.416	1.0	39.0	-2.2	-46.5	46.6	267	0.0	0.083	1.0
292	266	268	0.0	0.066	1.0	26.6	19.6	-47.8	51.6	292	0.0	0.43	1.0	39.6	-3.2	-46.5	46.7	266	0.0	0.067	1.0	0.0	0.404	1.0	38.5	-1.5	-46.5	46.6	268	0.0	0.067	1.0
293	267	269	0.0	0.049	1.0	26.2	20.4	-47.8	52.0	293	0.0	0.418	1.0	39.0	-2.3	-46.5	46.6	267	0.0	0.05	1.0	0.0	0.393	1.0	38.0	-0.7	-46.4	46.5	269	0.0	0.05	1.0
293	268	269	0.0	0.033	1.0	25.8	21.2	-47.8	52.3	293	0.0	0.405	1.0	38.5	-1.5	-46.5	46.6															

1-0131430-L0	SE050-71	LAB*la0, YN=0%, XYZnw=2.5, 2.6, 2.7, 86.0, 90.9, 95.9, LAB*nw=18.5, 0.0, 0.0, 96.4, 0.0, 0.0
--------------	----------	--

TUB-test chart SE05; 16 hues, offset standard paper APCO 48 step hue circles; *rgb-LabCh**tables, 3D=0, de=1, *cm*yk input: *rgb/cmyk* -> *rgb_e* output: transfer to *cmyk_e*

Output: Offset standard print; separation cmyn6*, D65, page 15/33

TUB registration: 20130201-SE05/SE05L0NA.TXT /.PS TUB material: code=rha4ta
 application for measurement of offset print output, separationcmyb6 (CMYK)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 30.4, 96.1, 161.6, 234.7, 295.7, 353.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

h_{ab}	d_{ab}	$h_{ab,s}$	$h_{ab,e}$	rgb^*	$dd361Mi$	LAB^*	$ds361Mi$ ($x=LabCh$)	rgb^*	$ds361Mi$	LAB^*	$ds361Mi$ ($x=LabCh$)	rgb^*	$dd361Mi$	rgb^*	$de361Mi$	LAB^*	$dex361Mi$ ($x=LabCh$)	rgb^*	$dd361Mi$	rgb^*	$dd361Mi$	rgb^*	ds	rgb^*	de
359	345	342	1.0	0.0	0.75	48.1	72.1	-0.7	72.1	359	0.719	0.0	1.0	42.6	65.1	-17.3	67.4	345	1.0	0.0	0.75				
359	346	343	1.0	0.0	0.733	48.1	71.9	0.0	71.9	359	0.737	0.0	1.0	43.0	66.1	-16.4	68.1	346	1.0	0.0	0.733				
360	347	344	1.0	0.0	0.716	48.1	71.7	0.7	71.7	360	0.759	0.0	1.0	43.5	67.0	-15.4	68.8	347	1.0	0.0	0.717				
361	348	345	1.0	0.0	0.7	48.1	71.6	1.5	71.6	361	0.793	0.0	1.0	44.2	68.2	-14.4	69.7	348	1.0	0.0	0.7				
361	349	346	1.0	0.0	0.683	48.1	71.4	2.3	71.4	361	0.828	0.0	1.0	45.0	69.2	-13.4	70.5	349	1.0	0.0	0.683				
362	350	347	1.0	0.0	0.666	48.1	71.2	3.0	71.3	362	0.863	0.0	1.0	45.7	70.3	-12.3	71.4	350	1.0	0.0	0.667				
363	351	348	1.0	0.0	0.65	48.0	71.0	3.8	71.1	363	0.903	0.0	1.0	46.4	71.5	-11.2	72.4	351	1.0	0.0	0.65				
363	352	349	1.0	0.0	0.633	48.0	70.8	4.5	71.0	363	0.946	0.0	1.0	47.3	72.7	-10.1	73.4	352	1.0	0.0	0.633				
364	353	350	1.0	0.0	0.616	48.0	70.7	5.3	70.9	364	0.99	0.0	1.0	48.1	73.9	-9.0	74.5	353	1.0	0.0	0.617				
365	354	351	1.0	0.0	0.6	48.0	70.5	6.2	70.8	365	1.0	0.0	0.967	48.2	74.0	-7.7	74.4	354	1.0	0.0	0.6				
365	355	352	1.0	0.0	0.583	48.0	70.4	7.1	70.8	365	1.0	0.0	0.924	48.2	73.6	-6.3	73.9	355	1.0	0.0	0.583				
366	356	353	1.0	0.0	0.566	47.9	70.3	7.9	70.7	366	1.0	0.0	0.881	48.2	73.2	-5.0	73.4	356	1.0	0.0	0.567				
367	357	354	1.0	0.0	0.55	47.9	70.1	8.8	70.7	367	1.0	0.0	0.842	48.2	72.9	-3.7	73.0	357	1.0	0.0	0.55				
367	358	355	1.0	0.0	0.533	47.9	70.0	9.6	70.7	367	1.0	0.0	0.803	48.2	72.6	-2.4	72.6	358	1.0	0.0	0.533				
368	359	356	1.0	0.0	0.516	47.8	69.8	10.5	70.6	368	1.0	0.0	0.765	48.1	72.2	-1.2	72.2	359	1.0	0.0	0.517				
369	360	352	1.0	0.0	0.5	47.8	69.7	11.3	70.6	369	1.0	0.0	0.733	48.1	71.9	0.0	71.9	360	1.0	0.0	0.5				
370	361	353	1.0	0.0	0.483	47.8	69.5	12.3	70.6	370	1.0	0.0	0.706	48.1	71.7	1.3	71.7	361	1.0	0.0	0.483				
370	362	354	1.0	0.0	0.466	47.8	69.3	13.2	70.6	370	1.0	0.0	0.679	48.1	71.4	2.5	71.4	362	1.0	0.0	0.467				
371																									

TUB registration: 20130201-SE05/SE05L0NA.TXT /.PS
application for measurement of offset print output, separate

TIIB material: code=rha4ta

Output: Offset standard print; separation cmyn6*, D65, page 17/38

TUB-test chart SE05; 16 hues, offset standard paper APCO input: *rgb/cmyk* $\rightarrow$ *rgb_e*
48 step hue circles; *rgb-LabCh**tables, 3D=0, de=1, *cmyk* output: transfer to *cmyk_e*

input: $rgb/cmyk \rightarrow rgb_e$

output: transfer to $cmyk_e$

http://130.149.60.45/~farbmetrik/SE05/SE05L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/33

n=j	HIC*Fe	rgb_Fe	ict_Fe	hsi_Fe	rgb*Fe	LabCh*Fe	rgb*Fe	LabCh*Fe	DE*Fe	hsi_Me	rgb*Me	LabCh*Me
0	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
1	B00R_012_012e	0.0	0.125	0.125	0.062	0.0	0.044	0.125	20.8	0.1	0.0	0.358
2	B00R_025_025e	0.0	0.25	0.25	0.125	0.0	0.089	0.25	23.0	0.3	0.0	0.358
3	B00R_037_037e	0.0	0.375	0.375	0.187	0.0	0.134	0.375	25.3	0.5	0.0	0.358
4	B00R_050_050e	0.0	0.5	0.5	0.25	0.0	0.179	0.5	27.6	0.7	0.0	0.358
5	B00R_062_062e	0.0	0.625	0.625	0.312	0.0	0.223	0.625	29.8	0.8	0.0	0.358
6	B00R_075_075e	0.0	0.75	0.75	0.375	0.0	0.268	0.75	32.1	1.0	0.0	0.358
7	B00R_087_087e	0.0	0.875	0.875	0.437	0.0	0.313	0.875	34.4	1.2	0.0	0.358
8	B00R_100_100e	0.0	1.0	1.0	0.5	0.0	0.358	1.0	36.7	1.4	0.0	0.358
9	G00B_012_012e	0.0	0.125	0.125	0.062	0.0	0.125	0.001	22.6	-8.6	2.7	0.0
10	G50B_012_012e	0.0	0.125	0.125	0.062	0.0	0.125	0.089	23.2	-5.2	-3.9	0.0
11	G75B_025_025e	0.0	0.125	0.25	0.125	0.0	0.186	0.25	26.6	-5.4	-11.4	0.0
12	G84B_037_037e	0.0	0.125	0.375	0.187	0.0	0.216	0.375	28.6	-4.8	-17.3	0.0
13	G88B_050_050e	0.0	0.125	0.5	0.25	0.0	0.259	0.5	30.8	-4.5	-23.1	0.0
14	G90B_062_062e	0.0	0.125	0.625	0.312	0.0	0.302	0.625	33.0	-4.2	-29.0	0.0
15	G92B_075_075e	0.0	0.125	0.75	0.375	0.0	0.346	0.75	35.2	-3.9	-34.8	0.0
16	G93B_087_087e	0.0	0.125	0.875	0.437	0.0	0.393	0.875	37.6	-3.9	-40.7	0.0
17	G94B_100_100e	0.0	0.125	1.0	0.5	0.0	0.438	1.0	39.8	-3.7	-46.5	0.0
18	G00B_025_025e	0.0	0.25	0.25	0.125	0.0	0.25	0.002	26.8	-17.2	5.5	0.0
19	G25B_025_025e	0.0	0.25	0.125	0.125	0.0	0.25	0.1	27.4	-13.8	-2.3	0.0
20	G50B_025_025e	0.0	0.25	0.25	0.125	0.0	0.25	0.178	27.9	-10.4	-7.8	0.0
21	G65B_037_037e	0.0	0.25	0.375	0.187	0.0	0.375	0.372	33.2	-12.0	-16.8	0.0
22	G75B_050_050e	0.0	0.25	0.5	0.25	0.0	0.372	0.5	34.8	-10.9	-22.8	0.0
23	G80B_062_062e	0.0	0.25	0.625	0.312	0.0	0.39	0.625	36.5	-10.0	-28.7	0.0
24	G84B_075_075e	0.0	0.25	0.75	0.375	0.0	0.433	0.75	38.7	-9.6	-34.7	0.0
25	G86B_087_087e	0.0	0.25	0.875	0.437	0.0	0.474	0.875	40.8	-9.2	-40.5	0.0
26	G88B_100_100e	0.0	0.25	1.0	0.5	0.0	0.519	1.0	43.1	-9.0	-46.3	0.0
27	G00B_037_037e	0.0	0.375	0.375	0.187	0.0	0.375	0.004	30.9	-25.9	8.3	0.0
28	G15B_037_037e	0.0	0.375	0.125	0.375	0.0	0.375	0.108	31.5	-22.6	0.1	0.0
29	G34B_037_037e	0.0	0.375	0.25	0.375	0.0	0.375	0.191	32.1	-18.9	-6.7	0.0
30	G50B_037_037e	0.0	0.375	0.375	0.187	0.0	0.375	0.267	32.7	-15.7	-11.8	0.0
31	G61B_050_050e	0.0	0.375	0.5	0.25	0.0	0.5	0.456	38.0	-17.4	-20.6	0.0
32	G69B_062_062e	0.0	0.375	0.625	0.312	0.0	0.561	0.625	41.6	-17.7	-28.3	0.0
33	G75B_075_075e	0.0	0.375	0.75	0.375	0.0	0.558	0.75	43.0	-16.4	-34.2	0.0
34	G79B_087_087e	0.0	0.375	0.875	0.437	0.0	0.577	0.875	44.6	-15.5	-40.2	0.0
35	G81B_100_100e	0.0	0.375	1.0	0.5	0.0	0.613	1.0	46.8	-15.2	-46.0	0.0
36	G00B_050_050e	0.0	0.5	0.5	0.25	0.0	0.5	0.005	35.1	-34.5	11.0	0.0
37	G11B_050_050e	0.0	0.5	0.125	0.5	0.0	0.5	0.115	35.7	-31.3	2.7	0.0
38	G25B_050_050e	0.0	0.5	0.25	0.5	0.0	0.5	0.201	36.2	-27.7	4.6	0.0
39	G38B_050_050e	0.0	0.5	0.375	0.5	0.0	0.5	0.281	36.7	-24.2	-10.9	0.0
40	G50B_050_050e	0.0	0.5	0.5	0.25	0.0	0.5	0.356	37.4	-20.9	-15.7	0.0
41	G59B_062_062e	0.0	0.625	0.625	0.312	0.0	0.625	0.54	42.7	-22.8	-24.4	0.0
42	G65B_075_075e	0.0	0.5	0.75	0.375	0.0	0.75	0.745	48.0	-24.1	-33.6	0.0
43	G70B_087_087e	0.0	0.5	0.875	0.437	0.0	0.743	0.875	49.7	-23.1	-39.7	0.0
44	G75B_100_100e	0.0	0.5	1.0	0.5	0.0	0.744	1.0	51.1	-21.9	-45.6	0.0
45	G00B_062_062e	0.0	0.625	0.625	0.312	0.0	0.625	0.007	39.2	-43.2	13.8	0.0
46	G09B_062_062e	0.0	0.625	0.125	0.625	0.0	0.625	0.116	39.8	-40.1	5.4	0.0
47	G19B_062_062e	0.0	0.625	0.25	0.625	0.0	0.625	0.207	40.4	-36.6	-2.0	0.0
48	G30B_062_062e	0.0	0.625	0.375	0.625	0.0	0.625	0.294	41.0	-32.7	-9.3	0.0
49	G40B_062_062e	0.0	0.625	0.5	0.625	0.0	0.625	0.371	41.4	-29.4	-14.9	0.0
50	G50B_062_062e	0.0	0.625	0.625	0.312	0.0	0.625	0.445	42.1	-26.2	-19.7	0.0
51	G57B_075_075e	0.0	0.625	0.75	0.375	0.0	0.75	0.625	47.4	-28.1	-28.3	0.0
52	G63B_087_087e	0.0	0.625	0.875	0.437	0.0	0.875	0.826	52.7	-29.6	-37.4	0.0
53	G68B_100_100e	0.0	0.625	1.0	0.5	0.0	0.926	1.0	56.1	-29.3	-45.3	0.0
54	G00B_075_075e	0.0	0.75	0.0	0.75	0.0	0.75	0.008	43.4	-51.8	16.6	0.0
55	G07B_075_075e	0.0	0.75	0.125	0.75	0.0	0.75	0.118	44.0	-48.8	8.2	0.0
56	G15B_075_075e	0.0	0.75	0.25	0.75	0.0	0.75	0.216	44.6	-45.3	0.3	0.0
57	G25B_075_075e	0.0	0.75	0.375	0.75	0.0	0.75	0.302	45.1	-41.5	-7.0	0.0
58	G34B_075_075e	0.0	0.75	0.5	0.75	0.0	0.75	0.382	45.6	-37.9	-13.5	0.0
59	G42B_075_075e	0.0	0.75	0.625	0.75	0.0	0.75	0.462	46.1	-34.6	-19.0	0.0
60	G50B_075_075e	0.0	0.75	0.75	0.375	0.0	0.75	0.534	46.8	-31.4	-23.6	0.0
61	G56B_087_087e	0.0	0.75	0.875	0.437	0.0	0.875	0.716	52.2	-33.2	-32.4	0.0
62	G61B_100_100e	0.0	0.75	1.0	0.5	0.0	1.0	0.912	57.4	-34.9	-41.3	0.0
63	G00B_087_087e	0.0	0.875	0.875	0.437	0.0	0.875	0.009	47.5	-60.4	19.3	0.0
64	G06B_087_087e	0.0	0.875	0.125	0.875	0.0	0.875	0.125	48.2	-57.3	10.6	0.0
65	G13B_087_087e	0.0	0.875	0.25	0.875	0.0	0.875	0.224	48.7	-53.9	2.9	0.0
66	G20B_087_087e	0.0	0.875	0.375	0.875	0.0	0.875	0.308	49.3	-50.4	-4.4	0.0
67	G29B_087_087e	0.0	0.875	0.5	0.875	0.0	0.875	0.394	49.8	-46.6	-11.7	0.0
68	G36B_087_087e	0.0	0.875	0.625	0.875	0.0	0.875	0.474	50.3	-43.1	-17.7	0.0
69	G43B_087_087e	0.0	0.875	0.75	0.875	0.0	0.875	0.548	50.8	-40.0	-22.8	0.0
70	G50B_087_087e	0.0	0.875	0.875	0.437	0.0	0.875	0.623	51.5	-36.6	-27.6	0.0
71	G55B_100_100e	0.0	0.875	1.0	0.5	0.0	1.0	0.803	56.9	-38.4	-36.3	0.0
72	G00B_100_100e	0.0	1.0	0.0	1.0	0.0	1.0	0.011	51.7	-69.1	22.1	0.0
73	G05B_100_100e	0.0	1.0	0.125	1.0	0.0	1.0	0.129	52.4	-66.0	13.2	0.0
74	G11B_100_100e	0.0	1.0	0.25	1.0	0.0	1.0	0.23	52.9	-62.6	5.4	0.0
75	G18B_100_100e	0.0	1.0	0.375	1.0	0.0	1.0	0.32	53.5	-59.1	-2.3	0.0
76	G25B_100_100e	0.0	1.0	0.5	1.0	0.0	1.0	0.403	54.0	-55.4	-9.3	0.0
77	G31B_100_100e	0.0	1.0	0.625	1.0	0.0	1.0	0.48	54.5	-51.9	-15.7	0.0
78	G38B_100_100e	0.0	1.0	0.75	1.0	0.0	1.0	0.563	55.0	-48.5	-21.8	0.0
79	G44B_100_100e	0.0	1.0	0.875	1.0	0.0	1.0	0.637	55.5	-45.3	-26.7	0.0
80	G50B_100_100e	0.0	1.0	1.0	1.0	0.0	1.0	0.712	56.3	-41.9	-31.5	0.0

Mean color difference of this page: $\Delta E^* = 11.2$

delta E* = 11.2

TUB-test chart SE05; 16 hues, offset standard paper APCO
colors and differences, ΔE^* , 3D=0, de=1, cmYk
input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmyk_e$

TUB registration: 20130201-SE05/SE05L0NA.TXT /.PS
application for measurement of offset print output, separationcmyk6 (CMYK)
TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/SE05/SE05L0NA.TXT /.PS; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33

see similar files: <http://130.149.60.45/~farbmetrik/SE05/SE05.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>TUB registration: 20130201-SE05/SE05L0NA.TXT /.PS
application for measurement of offset print output, separationcnmy6 (CMYK)
TUB material: code=rha4ta

n	HIC*Fe	rgb_Fe		ict_Fe		hsi_Fe		rgb*Fe	LabCh*Fe		rgb**Fe		LabCh**Fe		DE**Fe		hsiM,e	rgb*Me	LabCh*Me															
1053	NW_086e	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.9	0.0	0.0	0.0	0.0	0.866	0.866	0.866	91.0	0.0	-0.5	0.5	264.4	5.1	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1054	NW_093e	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.1	0.0	0.0	0.0	0.0	0.933	0.933	0.933	93.5	0.0	-0.3	0.3	271.8	2.4	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1055	NW_100e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.3	0.0	-0.1	0.1	284.8	0.1	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1056	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	0.0	0.0	0.0	6.0	0.7	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1057	NW_006e	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	23.6	0.0	0.0	0.0	0.0	0.066	0.066	0.066	24.0	0.0	-0.5	0.5	260.1	0.6	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1058	NW_013e	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	28.8	0.0	0.0	0.0	0.0	0.133	0.133	0.133	33.3	-0.3	-1.5	1.5	258.6	4.7	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1059	NW_020e	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	34.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	42.5	-0.3	-2.0	2.0	259.3	8.6	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1060	NW_026e	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	39.2	0.0	0.0	0.0	0.0	0.266	0.266	0.266	48.9	-0.3	-2.2	2.2	260.4	9.9	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1061	NW_033e	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	44.4	0.0	0.0	0.0	0.0	0.333	0.333	0.333	55.2	-0.3	-2.2	2.3	260.3	11.0	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1062	NW_040e	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	49.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	60.4	-0.3	-2.1	2.2	261.8	11.0	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1063	NW_046e	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	54.8	0.0	0.0	0.0	0.0	0.466	0.466	0.466	65.1	-0.2	-2.0	2.0	261.9	10.5	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1064	NW_053e	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	60.0	0.0	0.0	0.0	0.0	0.533	0.533	0.533	70.0	-0.2	-1.9	1.9	262.3	10.2	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1065	NW_060e	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	65.2	0.0	0.0	0.0	0.0	0.6	0.6	0.6	74.7	-0.2	-1.6	1.6	262.4	9.6	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1066	NW_066e	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	70.3	0.0	0.0	0.0	0.0	0.666	0.666	0.666	78.8	-0.1	-1.4	1.4	262.5	8.6	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1067	NW_073e	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	75.6	0.0	0.0	0.0	0.0	0.734	0.734	0.734	82.8	-0.1	-1.2	1.2	262.2	7.2	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1068	NW_080e	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	80.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	86.6	0.0	-0.9	0.9	264.2	5.8	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1069	NW_086e	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.9	0.0	0.0	0.0	0.0	0.866	0.866	0.866	90.9	0.0	-0.6	0.6	268.4	5.0	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1070	NW_093e	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.1	0.0	0.0	0.0	0.0	0.933	0.933	0.933	93.4	0.0	-0.3	0.3	272.6	2.3	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1071	NW_100e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.3	0.0	0.0	0.0	289.1	0.0	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1072	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.7	0.1	0.3	0.3	65.1	2.1	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1073	NW_100e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.6	0.0	0.0	0.0	196.8	0.2	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1074	R00Y_100_100e	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.131	47.6	66.3	31.6	73.4	25.4	1.0	0.0	0.0	45.6	67.7	39.1	78.2	30.0	7.8	383	1.0	0.0	0.131	47.6	66.3	31.6	73.4	25.4
1075	G50B_100_100e	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.712	56.3	-41.9	-31.5	52.4	216.9	0.0	1.0	0.0	56.4	-31.6	-46.1	55.9	235.5	17.8	193	0.0	1.0	0.712	56.3	-41.9	-31.5	52.4	216.9
1076	Y00G_100_100e	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.868	0.0	85.1	-3.3	83.7	83.7	92.3	1.0	1.0	0.0	87.9	-7.9	89.2	89.6	95.0	7.7	83	1.0	0.868	0.0	85.1	-3.3	83.7	83.7	92.3
1077	B00R_100_100e	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.358	1.0	36.7	1.4	-46.6	46.6	271.7	0.0	0.0	1.0	23.1	24.3	-46.5	52.5	297.6	26.6	249	0.0	0.358	1.0	36.7	1.4	-46.6	46.6	271.7
1078	G00B_100_100e	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.011	51.7	-69.1	22.1	72.6	162.2	0.0	1.0	0.0	48.7	-69.8	21.6	73.1	162.7	3.1	150	0.0	1.0	0.011	51.7	-69.1	22.1	72.6	162.2
1079	B50R_100_100e	1.0	0.0	1.0	1.0	1.0	0.5	330	0.42	0.0	1.0	34.9	50.0	-30.5	58.6	328.6	1.0	0.0	1.0	45.8	75.8	-5.0	76.0	356.2	37.8	294	0.42	0.0	1.0	34.9	50.0	-30.5	58.6	328.6

Mean color difference of this page:

delta E* = 8.0

1-0133230-F0

SE050-7N, Page 33/33-F

TUB-test chart SE05; 16 hues, offset standard paper APCO
colors and differences, ΔE^* , 3D=0, de=1, *cmYk*input: *rgb/cmyk* -> *rgb_e*
output: transfer to *cmYk_e*

1-0133230-F0