

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

$u^*_{rel} = 92$

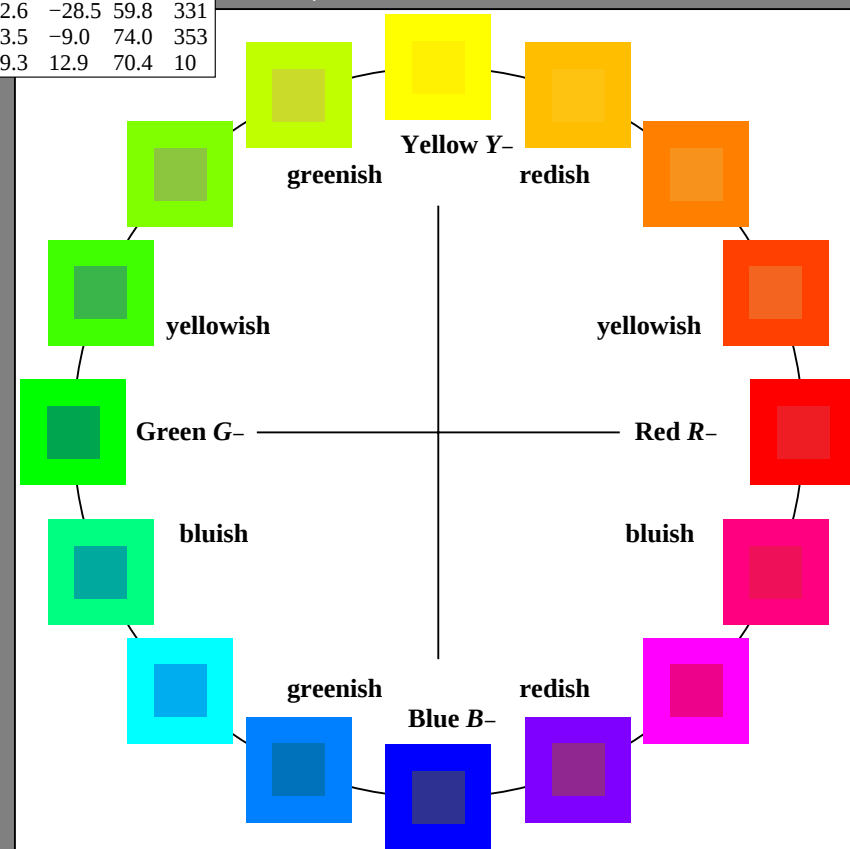
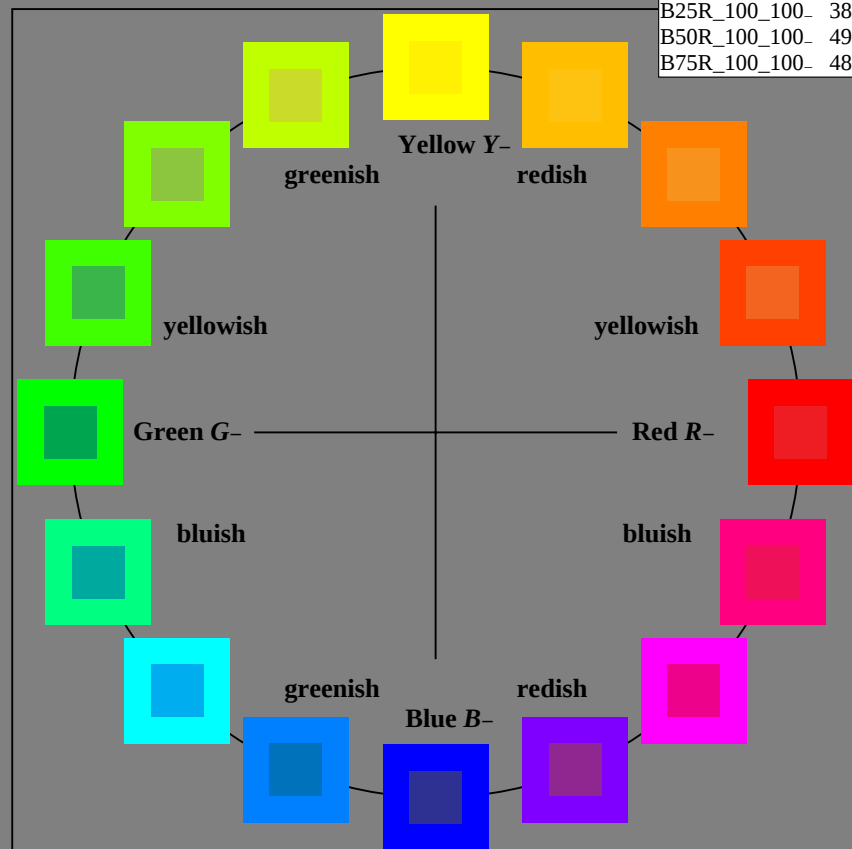
% Regularity

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

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

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



1-003030-L0

SE040-7N

TUB-test chart SE04; 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^*_d

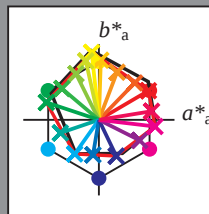
hue text for the colours

of this page:

 $H^*_d = R00Y_d, R25Y_d, \dots, B75R_d$

ORS20a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_d	47.5	65.5	38.4	76.0
R25Y_100_100_d	55.9	47.3	48.7	67.9
R50Y_100_100_d	68.1	24.0	63.0	67.4
R75Y_100_100_d	81.2	2.5	78.8	78.9
Y00G_100_100_d	89.4	-9.5	89.0	89.6
Y25G_100_100_d	84.1	-17.3	77.9	79.8
Y50G_100_100_d	73.1	-30.2	60.8	67.9
Y75G_100_100_d	60.3	-48.7	41.3	63.9
G00B_100_100_d	51.6	-69.3	23.0	73.1
G25B_100_100_d	54.6	-50.8	-17.3	53.7
G50B_100_100_d	57.8	-31.9	-45.1	55.3
G75B_100_100_d	42.3	-7.7	-46.3	46.9
B00R_100_100_d	24.9	22.9	-47.8	53.0
B25R_100_100_d	37.0	53.9	-27.1	60.4
B50R_100_100_d	48.2	74.2	-8.7	74.7
B75R_100_100_d	47.8	69.7	11.3	70.6



% Gamut

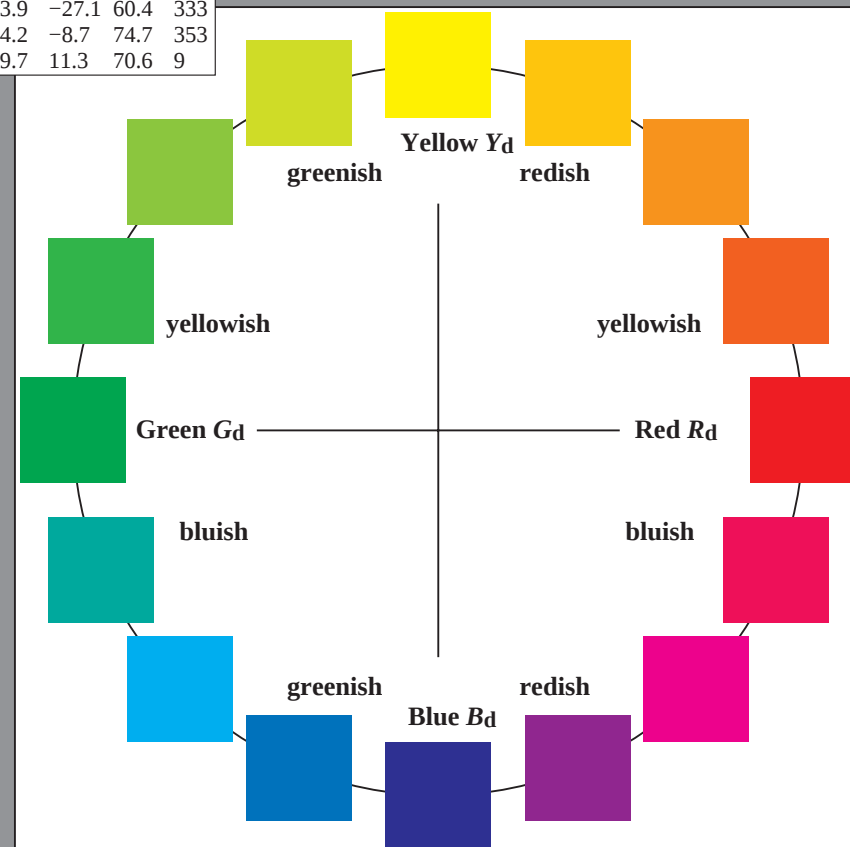
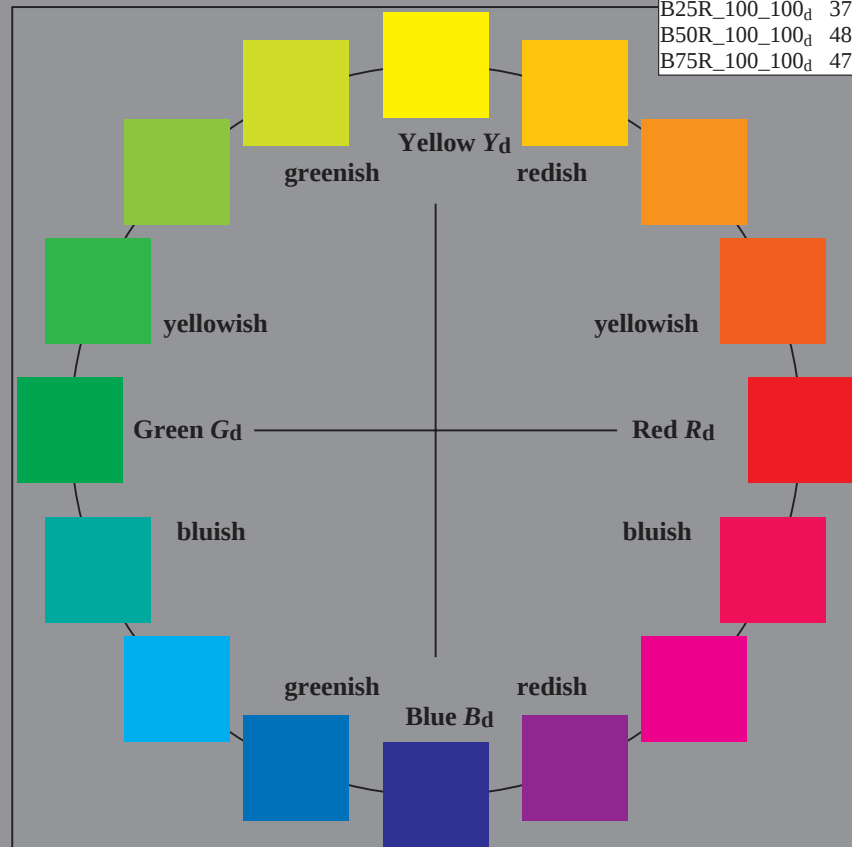
 $u^*_{rel} = 92$

% 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 _{d, Ma}	47.5	65.5	38.4	76.0
Y _{d, Ma}	89.4	-9.5	89.0	89.6
G _{d, Ma}	51.6	-69.3	23.0	73.1
C _{d, Ma}	57.8	-31.9	-45.1	55.3
B _{d, Ma}	24.9	22.9	-47.8	53.0
M _{d, Ma}	48.2	74.2	-8.7	74.7
N _{d, Ma}	18.5	0.0	0.0	0
W _{d, Ma}	96.3	0.0	0.0	0
R _{d, CIE}	39.9	58.7	27.9	65.0
Y _{d, CIE}	81.2	-2.8	71.5	71.6
G _{d, CIE}	52.2	-42.4	13.6	44.5
B _{d, CIE}	30.5	1.4	-46.4	46.4



1-003130-L0

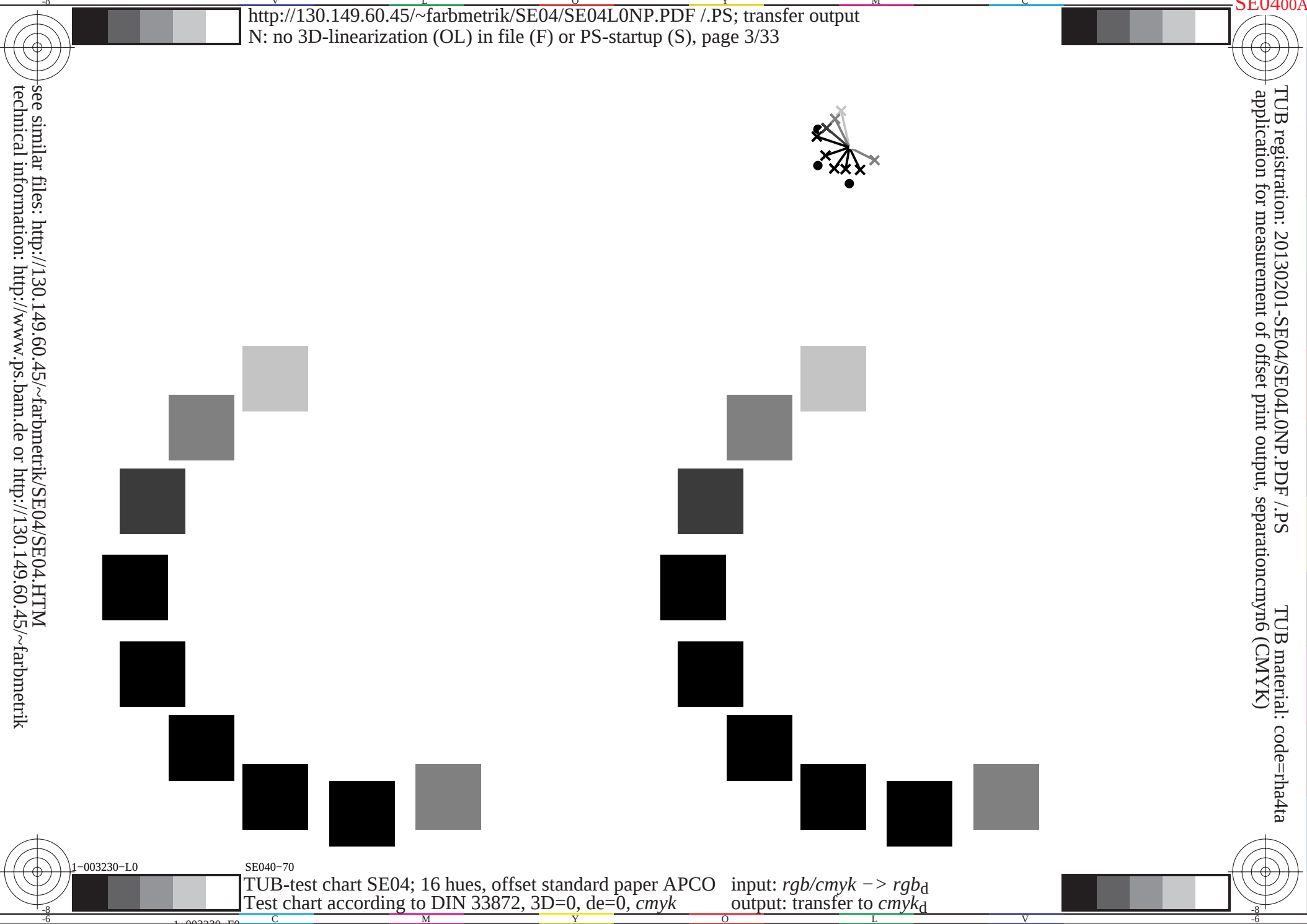
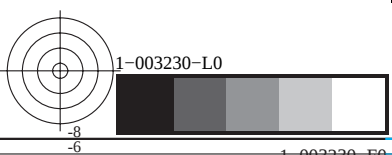
SE040-70

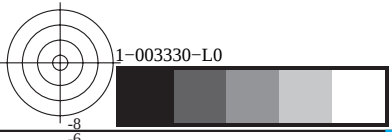
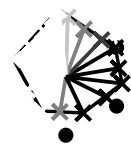
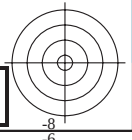
TUB-test chart SE04; 16 hues, offset standard paper APCO
Test chart according to DIN 33872, 3D=0, de=0, cmykinput: $rgb/cmyk \rightarrow rgb_d$
output: transfer to $cmyk_d$

1-003130-F0



see similar files: <http://130.149.60.45/~farbmetrik/SE04/SE04.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

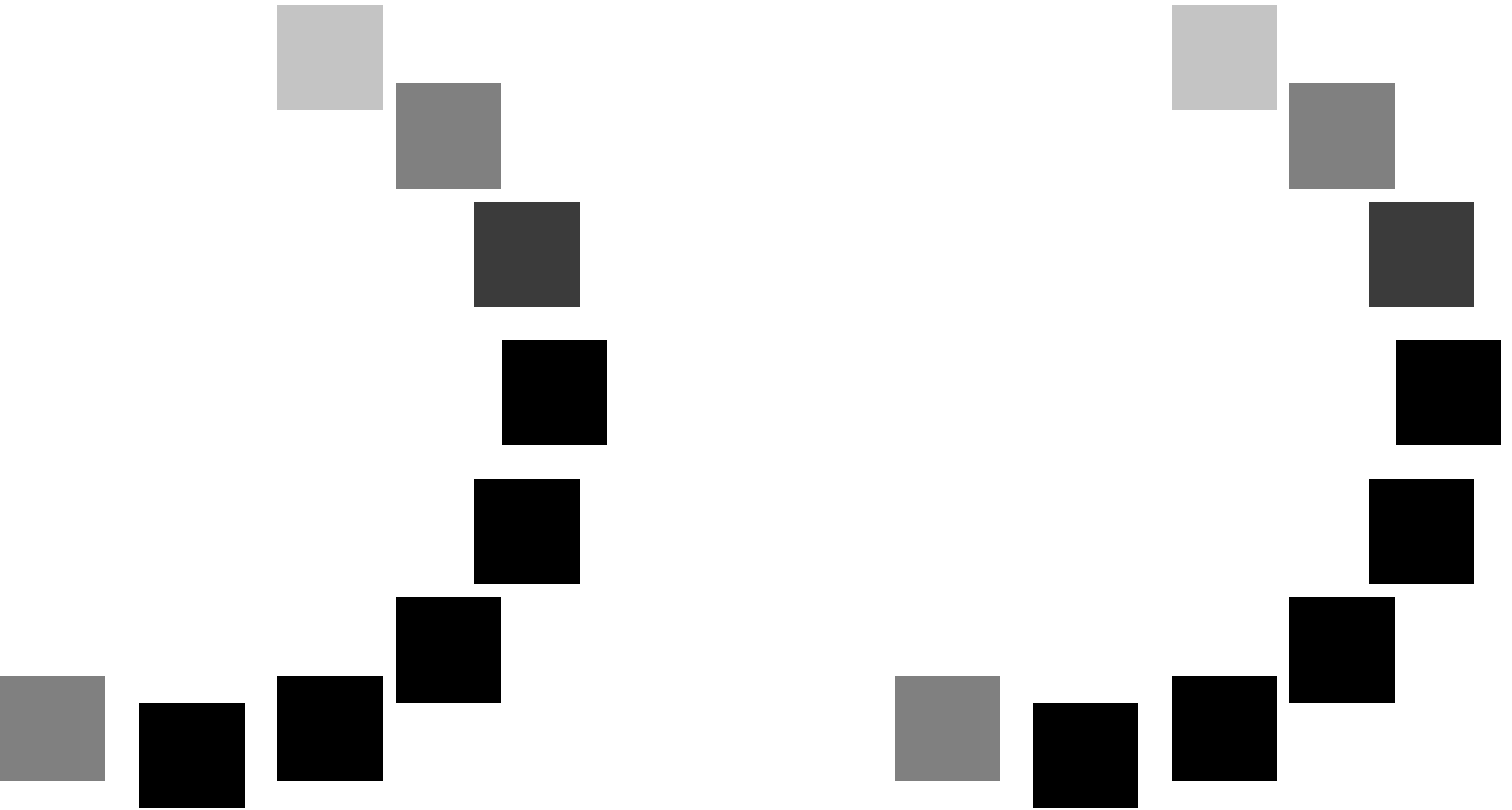




see similar files: <http://130.149.60.45/~farbmetrik/SE04/SE04L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

1-003330-L0 SE040-70
TUB-test chart SE04; 16 hues, offset standard paper APCO
Test chart according to DIN 33872, 3D=0, de=0, cmyk

input: $rgb/cmyk \rightarrow rgb_d$
output: transfer to $cmyk_d$



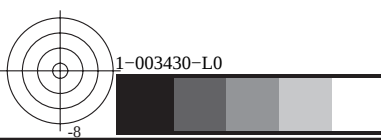
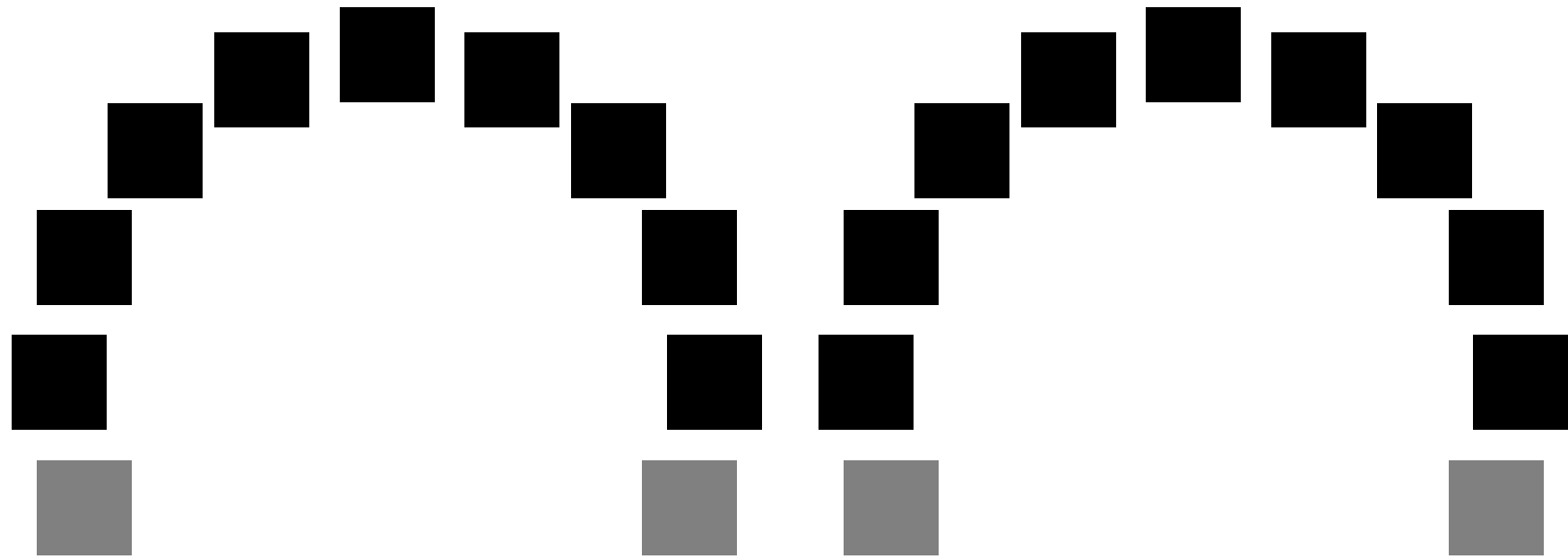
TUB registration: 20130201-SE04/SE04L0NP.PDF /.PS
application for measurement of offset print output, separationcmykn6 (CMYK)

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/SE04/SE04L0NP.PDF /.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/SE04/SE04.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



TUB-test chart SE04; 16 hues, offset standard paper APCO
Test chart according to DIN 33872, 3D=0, de=0, cmyk
input: $rgb/cmyk \rightarrow rgb_d$
output: transfer to $cmyk_d$

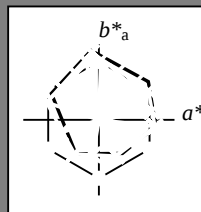
Input and Output: Offset Reflective System ORS18a

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

 HIC^*_d hue text for the colours
of this page: $H^*_d = R00Y_d, R25Y_d, \dots, B75R_d$

ORS20a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_d	47.5	65.5	38.4	76.0
R25Y_100_100_d	55.9	47.3	48.7	67.9
R50Y_100_100_d	68.1	24.0	63.0	67.4
R75Y_100_100_d	81.2	2.5	78.8	78.9
Y00G_100_100_d	89.4	-9.5	89.0	89.6
Y25G_100_100_d	84.1	-17.3	77.9	79.8
Y50G_100_100_d	73.1	-30.2	60.8	67.9
Y75G_100_100_d	60.3	-48.7	41.3	63.9
G00B_100_100_d	51.6	-69.3	23.0	73.1
G25B_100_100_d	54.6	-50.8	-17.3	53.7
G50B_100_100_d	57.8	-31.9	-45.1	55.3
G75B_100_100_d	42.3	-7.7	-46.3	46.9
B00R_100_100_d	24.9	22.9	-47.8	53.0
B25R_100_100_d	37.0	53.9	-27.1	60.4
B50R_100_100_d	48.2	74.2	-8.7	74.7
B75R_100_100_d	47.8	69.7	11.3	70.6



% Gamut

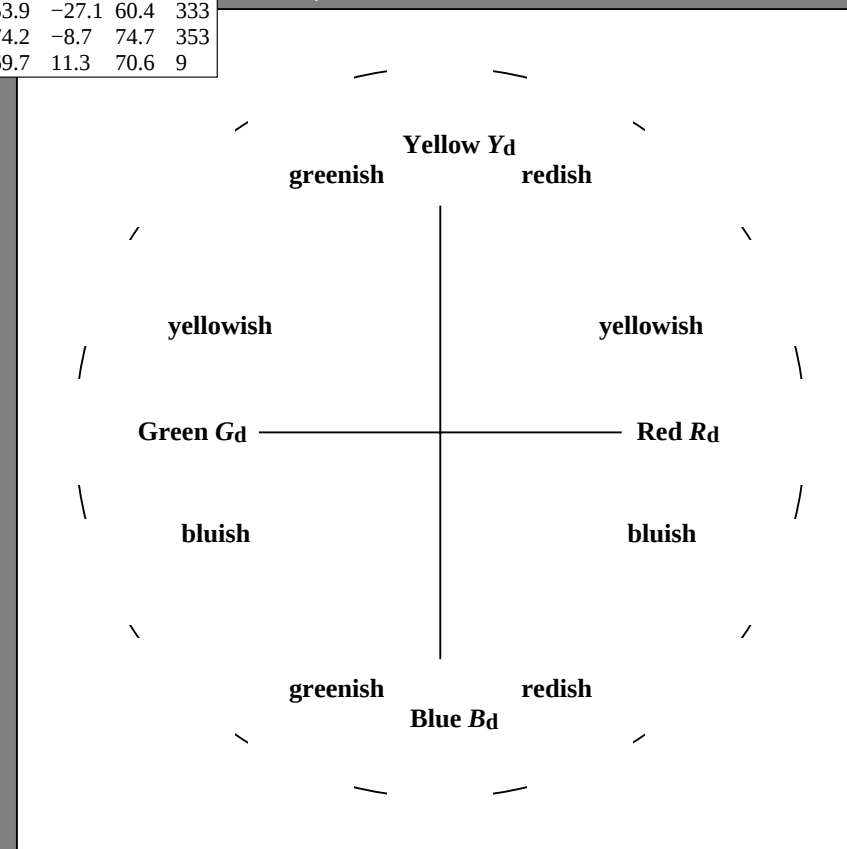
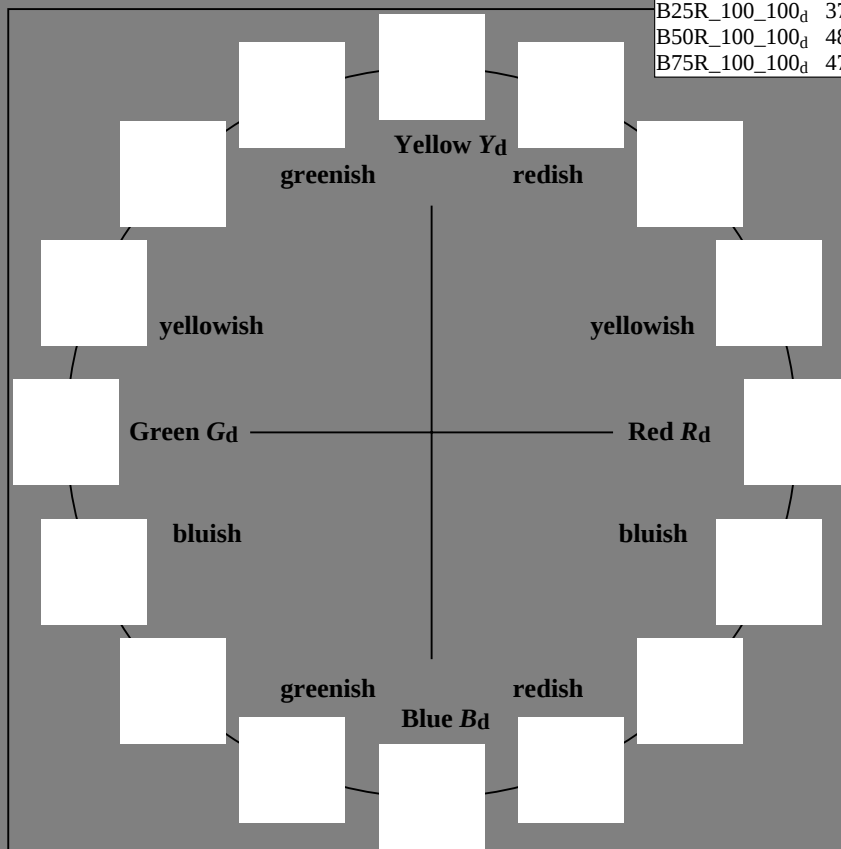
 $u^*_{rel} = 92$

% 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 _{d, Ma}	47.5	65.5	38.4	76.0
Y _{d, Ma}	89.4	-9.5	89.0	89.6
G _{d, Ma}	51.6	-69.3	23.0	73.1
C _{d, Ma}	57.8	-31.9	-45.1	55.3
B _{d, Ma}	24.9	22.9	-47.8	53.0
M _{d, Ma}	48.2	74.2	-8.7	74.7
N _{d, Ma}	18.5	0.0	0.0	0
W _{d, Ma}	96.3	0.0	0.0	0
R _{d, CIE}	39.9	58.7	27.9	65.0
Y _{d, CIE}	81.2	-2.8	71.5	71.6
G _{d, CIE}	52.2	-42.4	13.6	44.5
B _{d, CIE}	30.5	1.4	-46.4	46.4



1-003530-L0

SE040-70

TUB-test chart SE04; 16 hues, offset standard paper APCO
 Test chart according to DIN 33872, 3D=0, de=0, cmyk

input: $rgb/cmyk \rightarrow rgb_d$
 output: transfer to $cmyk_d$

1-003530-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

1-003630-L0

SE040-70

$LAB^*_{La0}, YN=0\%, XYZ_{Znw}=2.5, 2.6, 2.7, 86.0, 90.9, 95.9, LAB^*_{nw}=18.5, 0.0, 0.0, 96.4, 0.0, 0.0$

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

TUB-test chart SE04; 16 hues, offset standard paper APCO input: $rgb/cmyk \rightarrow rgb_d$
48 step hue circles; $rgb-LabCh^*$ tables, 3D=0, de=0, $cmyk$ output: transfer to $cmyk_d$

1-003630-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 $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
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}			$LAB^*_{ddx64M} (x=LabCh)$						$rgb^*_{dex361M}$					$LAB^*_{dex361M}$						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	30.4	1.0	0.0	0.131	47.7	66.3	31.6	73.5	25								
37.2	37.5	33.8	1.0	0.125	0.0	51.5	56.6	43.1	71.2	37.2	37.2	1.0	0.052	0.0	49.2	61.9	40.6	74.0	33								
47.2	45.0	42.1	1.0	0.25	0.0	56.6	45.8	49.4	67.4	47.2	47.2	1.0	0.187	0.0	54.1	51.4	46.6	69.4	42								
58.6	52.5	50.5	1.0	0.375	0.0	62.3	34.4	56.4	66.1	58.6	58.6	1.0	0.28	0.0	58.0	43.2	51.4	67.1	49								
69.1	60.0	58.8	1.0	0.5	0.0	68.1	24.0	63.0	67.4	69.1	69.1	1.0	0.378	0.0	62.5	34.2	56.6	66.1	58								
80.3	67.5	67.2	1.0	0.625	0.0	74.9	12.1	71.5	72.5	80.3	80.3	1.0	0.471	0.0	66.8	26.6	61.7	67.1	66								
87.4	75.0	75.6	1.0	0.75	0.0	80.5	3.4	78.0	78.1	87.4	87.4	1.0	0.572	0.0	72.1	17.5	68.2	70.4	75								
92.5	82.5	83.9	1.0	0.875	0.0	85.4	-3.7	84.0	84.0	92.5	92.5	1.0	0.679	0.0	77.4	8.6	74.5	75.0	83								
96.0	90.0	92.3	1.0	1.0	0.0	89.4	-9.5	89.0	89.6	96.0	96.0	1.0	0.868	0.0	85.2	-3.3	83.7	83.8	92								
99.5	97.5	101.0	0.875	1.0	0.0	86.7	-13.9	82.7	83.8	99.5	99.5	0.842	1.0	0.0	85.9	-14.9	81.3	82.6	100								
102.9	105.0	109.7	0.75	1.0	0.0	83.7	-17.7	77.1	79.2	102.9	102.9	0.598	1.0	0.0	77.0	-24.8	69.2	73.5	109								
107.9	112.5	118.5	0.625	1.0	0.0	77.9	-23.1	71.3	75.0	107.9	107.9	0.477	1.0	0.0	72.4	-31.4	59.4	67.3	117								
116.4	120.0	127.2	0.5	1.0	0.0	73.1	-30.2	60.8	67.9	116.4	116.4	0.35	1.0	0.0	67.3	-38.8	51.1	64.3	127								
124.5	127.5	136.0	0.375	1.0	0.0	68.8	-36.5	53.0	64.4	124.5	124.5	0.276	1.0	0.0	62.5	-45.4	44.8	63.9	135								
138.2	135.0	144.7	0.25	1.0	0.0	60.8	-47.5	42.4	63.7	138.2	138.2	0.176	1.0	0.0	58.4	-52.7	37.3	64.6	144								
149.2	142.5	153.4	0.125	1.0	0.0	56.7	-56.1	33.3	65.2	149.2	149.2	0.088	1.0	0.0	55.2	-60.1	30.8	67.6	152								
161.6	150.0	162.2	0.0	1.0	0.0	51.6	-69.3	23.0	73.1	161.6	161.6	0.0	1.0	0.011	51.7	-69.0	22.2	72.6	162								
168.3	157.5	169.0	0.0	1.0	0.125	52.3	-66.1	13.6	67.5	168.3	168.3	0.0	1.0	0.129	52.4	-65.9	13.3	67.3	168								
176.2	165.0	175.9	0.0	1.0	0.25	53.0	-61.8	4.0	61.9	176.2	176.2	0.0	1.0	0.244	53.0	-62.0	4.4	62.2	175								
186.9	172.5	182.7	0.0	1.0	0.375	53.8	-56.5	-6.8	56.9	186.9	186.9	0.0	1.0	0.321	53.5	-59.0	-2.3	59.1	182								
198.8	180.0	189.6	0.0	1.0	0.5	54.6	-50.8	-17.3	53.7	198.8	198.8	0.0	1.0	0.403	54.0	-55.4	-9.3	56.2	189								
209.5	187.5	196.4	0.0	1.0	0.625	55.4	-45.8	-25.9	52.6	209.5	209.5	0.0	1.0	0.47	54.5	-52.3	-14.9	54.5	195								
220.1	195.0	203.2	0.0	1.0	0.75	56.6	-40.0	-33.7	52.4	220.1	220.1	0.0	1.0	0.552	55.0	-48.9	-21.0	53.3	203								
227.6	202.5	210.1	0.0	1.0	0.875	57.2	-36.1	-39.6	53.6	227.6	227.6	0.0	1.0	0.627	55.5	-45.7	-26.0	52.7	209								
234.6	210.0	216.9	0.0	1.0	1.0	57.8	-31.9	-45.1	55.3	234.6	234.6	0.0	1.0	0.713	56.3	-41.8	-31.5	52.5	216								
238.7	217.5	223.8	0.0	0.875	1.0	54.9	-27.5	-45.3	53.0	238.7	238.7	0.0	1.0	0.804	56.9	-38.4	-36.3	52.9	223								
244.0	225.0	230.6	0.0	0.75	1.0	51.3	-22.1	-45.6	50.7	244.0	244.0	0.0	1.0	0.929	57.5	-34.4	-41.9	54.4	230								
250.7	232.5	237.5	0.0	0.625	1.0	47.2	-16.0	-45.9	48.7	250.7	250.7	0.0	0.927	1.0	56.1	-29.3	-45.2	54.0	237								
260.4	240.0	244.3	0.0	0.5	1.0	42.3	-7.7	-46.3	46.9	260.4	260.4	0.0	0.745	1.0	51.2	-21.8	-45.6	50.6	244								
270.4	247.5	251.2	0.0	0.375	1.0	37.3	0.3	-46.4	46.4	270.4	270.4	0.0	0.625	1.0	47.3	-16.0	-45.9	48.7	250								
280.2	255.0	258.0	0.0	0.25	1.0	32.7	8.5	-47.0	47.8	280.2	280.2	0.0	0.531	1.0	43.6	-9.7	-46.3	47.4	258								
289.3	262.5	264.8	0.0	0.125	1.0	28.1	16.7	-47.6	50.4	289.3	289.3	0.0	0.45	1.0	40.3	-4.4	-46.5	46.8	264								
295.6	270.0	271.7	0.0	0.0	1.0	24.9	22.9	-47.8	53.0	295.6	295.6	0.0	0.358	1.0	36.7	1.4	-46.5	46.7	271								
305.9	277.5	278.8	0.125	0.0	1.0	27.8	31.4	-43.4	53.6	305.9	305.9	0.0	0.274	1.0	33.7	6.9	-47.0	47.6	278								
311.7	285.0	285.9	0.25	0.0	1.0	29.9	36.0	-40.4	54.1	311.7	311.7	0.0	0.172	1.0	29.9	13.6	-47.5	49.5	285								
325.9	292.5	293.0	0.375	0.0	1.0	33.7	47.7	-32.2	57.5	325.9	325.9	0.0	0.061	1.0	26.5	19.9	-47.7	51.8	292								
333.2	300.0	300.1	0.5	0.0	1.0	37.0	53.9	-27.1	60.4	333.2	333.2	0.055	0.0	1.0	26.3	26.8	-46.0	53.3	300								
339.6	307.5	307.2	0.625	0.0	1.0	40.2	59.7	-22.1	63.7	339.6	339.6	0.144	0.0	1.0	28.2	32.2	-42.9	53.7	306								
346.7	315.0	314.3	0.75	0.0	1.0	43.3	66.7	-15.7	68.5	346.7	346.7	0.273	0.0	1.0	30.7	38.3	-39.1	54.8	314								
350.3	322.5	321.4	0.875	0.0	1.0	45.9	70.7	-12.0	71.7	350.3	350.3	0.332	0.0	1.0	32.5	43.9	-35.4	56.4	321								
353.2	330.0	328.6	1.0	0.0	1.0	48.2	74.2	-8.7	74.7	353.2	353.2	0.42	0.0	1.0	35.0	50.0	-30.4	58.6	328								
356.1	337.5	335.7	1.0	0.0	0.875	48.2	73.1	-4.9	73.3	356.1	356.1	0.538	0.0	1.0	38.1	55.8	-25.6	61.4	335								
359.3	345.0	342.8	1.0	0.0	0.75	48.1	72.1	-0.7	72.1	359.3	359.3	0.681	0.0	1.0	41.6	63.0	-19.4	65.9	342								
364.0	352.5	349.9	1.0	0.0	0.625	48.0	70.7	4.9	70.9	364.0	364.0	0.844	0.0	1.0	45.3	69.7	-12.9	70.9	349								
369.2	360.0	357.0	1.0	0.0	0.5	47.8	69.7	11.3	70.6	369.2	369.2	0.949	0.0	1.0	47.3	72.8	-10.1	73.5	352								
375.0	367.5	364.1	1.0	0.0	0.375	47.8	68.2	18.3	70.6	375.0	375.0	1.0	0.0	0.737	48.1	72.0	-0.1	72.0	359								
380.8	375.0	371.2	1.0	0.0	0.25	47.8	67.0	25.4	71.7	380.8	380.8	1.0	0.0	0.512	47.9	69.8	10.8	70.7	368								
385.7	382.5	378.3	1.0	0.0	0.125	47.6	66.2	31.9	73.5	385.7	385.7	1.0	0.0	0.342	47.9	68.0	20.2	70.9	376								
390.4	390.0	385.4	1.0	0.0	0.0	47.5	65.5	38.4	76.0	390.4	390.4	1.0	0.0	0.131	47.7	66.3	31.6	73.5	385								

1-003830-L0 SE040-70 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 SE04; 16 hues, offset standard paper APCO input: $rgb/cmyk \rightarrow rgb_d$
48 step hue circles; $rgb-LabCh^*$ tables, 3D=0, de=0, $cmyk$ output: transfer to $cmyk_d$

Output: Offset standard print; separation cmyn6*, D65, page 9/33

TUB registration: 20130201-SE04/SE04L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (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^*_{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		

1-003930-L0 SE040-70 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 SE04; 16 hues, offset standard paper APCO input: $rgb/cmyk \rightarrow rgb_d$
48 step hue circles; $rgb-LabCh$ *tables, 3D=0, de=0, $cmyk$ output: transfer to $cmyk_d$

see similar files: <http://130.149.60.45/~farbmetrik/SE04/SE04.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE04/SE04L0NP.PDF /.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 cmykn6*, 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^*_{dd361M}	$LAB^*_{dsx361Mi}$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$LAB^*_{dex361Mi}$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}												
87	75	75	1.0	0.75	0.0	80.5	3.4	78.0	78.1	87	1.0	0.75	0.0	80.5	3.4	78.0	78.1	87	1.0	0.75	0.0	80.5	3.4	78.0	78.1	87
88	76	76	1.0	0.766	0.0	81.2	2.5	78.8	78.9	88	1.0	0.767	0.0	81.2	2.5	78.8	78.9	88	1.0	0.767	0.0	81.2	2.5	78.8	78.9	88
88	77	77	1.0	0.783	0.0	81.8	1.6	79.7	79.7	88	1.0	0.783	0.0	81.8	1.6	79.7	79.7	88	1.0	0.783	0.0	81.8	1.6	79.7	79.7	88
89	78	78	1.0	0.8	0.0	82.4	0.6	80.5	80.5	89	1.0	0.8	0.0	82.4	0.6	80.5	80.5	89	1.0	0.8	0.0	82.4	0.6	80.5	80.5	89
90	79	80	1.0	0.816	0.0	83.1	-0.2	81.3	81.3	90	1.0	0.817	0.0	83.1	-0.2	81.3	81.3	90	1.0	0.817	0.0	83.1	-0.2	81.3	81.3	90
90	80	81	1.0	0.833	0.0	83.7	-1.2	82.0	82.1	90	1.0	0.833	0.0	83.7	-1.2	82.0	82.1	90	1.0	0.833	0.0	83.7	-1.2	82.0	82.1	90
91	81	82	1.0	0.85	0.0	84.4	-2.2	82.8	82.8	91	1.0	0.85	0.0	84.4	-2.2	82.8	82.8	91	1.0	0.85	0.0	84.4	-2.2	82.8	82.8	91
92	82	83	1.0	0.866	0.0	85.0	-3.2	83.6	83.6	92	1.0	0.867	0.0	85.0	-3.2	83.6	83.6	92	1.0	0.867	0.0	85.0	-3.2	83.6	83.6	92
92	83	84	1.0	0.883	0.0	85.6	-4.1	84.3	84.4	92	1.0	0.883	0.0	85.6	-4.1	84.3	84.4	92	1.0	0.883	0.0	85.6	-4.1	84.3	84.4	92
93	84	85	1.0	0.9	0.0	86.2	-4.8	85.0	85.1	93	1.0	0.9	0.0	86.2	-4.8	85.0	85.1	93	1.0	0.9	0.0	86.2	-4.8	85.0	85.1	93
93	85	86	1.0	0.916	0.0	86.7	-5.6	85.7	85.9	93	1.0	0.917	0.0	86.7	-5.6	85.7	85.9	93	1.0	0.917	0.0	86.7	-5.6	85.7	85.9	93
94	86	87	1.0	0.933	0.0	87.2	-6.3	86.4	86.6	94	1.0	0.933	0.0	87.2	-6.3	86.4	86.6	94	1.0	0.933	0.0	87.2	-6.3	86.4	86.6	94
94	87	88	1.0	0.95	0.0	87.8	-7.1	87.1	87.3	94	1.0	0.95	0.0	87.8	-7.1	87.1	87.3	94	1.0	0.95	0.0	87.8	-7.1	87.1	87.3	94
95	88	90	1.0	0.966	0.0	88.3	-7.9	87.7	88.1	95	1.0	0.967	0.0	88.3	-7.9	87.7	88.1	95	1.0	0.967	0.0	88.3	-7.9	87.7	88.1	95
95	89	91	1.0	0.983	0.0	88.8	-8.7	88.4	88.8	95	1.0	0.983	0.0	88.8	-8.7	88.4	88.8	95	1.0	0.983	0.0	88.8	-8.7	88.4	88.8	95
96	90	92	1.0	1.0	0.0	89.4	-9.5	89.0	89.6	96	1.0	1.0	0.0	89.4	-9.5	89.0	89.6	96	1.0	1.0	0.0	89.4	-9.5	89.0	89.6	96
96	91	93	0.983	1.0	0.0	89.0	-10.1	88.2	88.8	96	0.983	1.0	0.0	89.0	-10.1	88.2	88.8	96	0.983	1.0	0.0	89.0	-10.1	88.2	88.8	96
97	92	94	0.966	1.0	0.0	88.6	-10.7	87.4	88.0	97	0.967	1.0	0.0	88.6	-10.7	87.4	88.0	97	0.967	1.0	0.0	88.6	-10.7	87.4	88.0	97
97	93	95	0.95	1.0	0.0	88.3	-11.3	86.5	87.3	97	0.95	1.0	0.0	88.3	-11.3	86.5	87.3	97	0.95	1.0	0.0	88.3	-11.3	86.5	87.3	97
97	94	96	0.933	1.0	0.0	87.9	-11.9	85.7	86.5	97	0.933	1.0	0.0	87.9	-11.9	85.7	86.5	97	0.933	1.0	0.0	87.9	-11.9	85.7	86.5	97
98	95	98	0.916	1.0	0.0	87.6	-12.5	84.8	85.7	98	0.917	1.0	0.0	87.6	-12.5	84.8	85.7	98	0.917	1.0	0.0	87.6	-12.5	84.8	85.7	98
98	96	99	0.9	1.0	0.0	87.2	-13.0	84.0	85.0	98	0.9	1.0	0.0	87.2	-13.0	84.0	85.0	98	0.9	1.0	0.0	87.2	-13.0	84.0	85.0	98
99	97	100	0.883	1.0	0.0	86.9	-13.6	83.1	84.2	99	0.883	1.0	0.0	86.9	-13.6	83.1	84.2	99	0.883	1.0	0.0	86.9	-13.6	83.1	84.2	99
99	98	101	0.866	1.0	0.0	86.5	-14.2	82.3	83.5	99	0.867	1.0	0.0	86.5	-14.2	82.3	83.5	99	0.867	1.0	0.0	86.5	-14.2	82.3	83.5	99
100	99	102	0.85	1.0	0.0	86.1	-14.7	81.6	82.9	100	0.85	1.0	0.0	86.1	-14.7	81.6	82.9	100	0.85	1.0	0.0	86.1	-14.7	81.6	82.9	100
100	100	103	0.833	1.0	0.0	85.7	-15.2	80.8	82.3	100	0.833	1.0	0.0	85.7	-15.2	80.8	82.3	100	0.833	1.0	0.0	85.7	-15.2	80.8	82.3	100
101	101	105	0.816	1.0	0.0	85.3	-15.8	80.1	81.6	101	0.817	1.0	0.0	85.3	-15.8	80.1	81.6	101	0.817	1.0	0.0	85.3	-15.8	80.1	81.6	101
101	102	106	0.8	1.0	0.0	84.9	-16.3	79.4	81.0	101	0.8	1.0	0.0	84.9	-16.3	79.4	81.0	101	0.8	1.0	0.0	84.9	-16.3	79.4	81.0	101
102	103	107	0.783	1.0	0.0	84.5	-16.8	78.6	80.4	102	0.783	1.0	0.0	84.5	-16.8	78.6	80.4	102	0.783	1.0	0.0	84.5	-16.8	78.6	80.4	102
102	104	108	0.766	1.0	0.0	84.1	-17.3	77.9	79.8	102	0.767	1.0	0.0	84.1	-17.3	77.9	79.8	102	0.767	1.0	0.0	84.1	-17.3	77.9	79.8	102
102	105	109	0.75	1.0	0.0	83.7	-17.7	77.1	79.2	102	0.75	1.0	0.0	83.7	-17.7	77.1	79.2	102	0.75	1.0	0.0	83.7	-17.7	77.1	79.2	102
103	106	110	0.733	1.0	0.0	82.9	-18.5	76.4	78.6	103	0.733	1.0	0.0	82.9	-18.5	76.4	78.6	103	0.733	1.0	0.0	82.9	-18.5	76.4	78.6	103
104	107	112	0.716	1.0	0.0	82.1	-19.3	75.6	78.0	104	0.717	1.0	0.0	82.1	-19.3	75.6	78.0	104	0.717	1.0	0.0	82.1	-19.3	75.6	78.0	104
104	108	113	0.7	1.0	0.0	81.4	-20.0	74.8	77.5	104	0.7	1.0	0.0	81.4	-20.0	74.8	77.5	104	0.7	1.0	0.0	81.4	-20.0	74.8	77.5	104
105	109	114	0.683	1.0	0.0	80.6	-20.7	74.1	76.9	105	0.683	1.0	0.0	80.6	-20.7	74.1	76.9	105	0.683	1.0	0.0	80.6	-20.7	74.1	76.9	105
106	110	115	0.666	1.0	0.0	79.8	-21.4	73.3	76.4	106	0.667	1.0	0.0	79.8	-21.4	73.3	76.4	106	0.667	1.0	0.0	79.8	-21.4	73.3	76.4	106
106	111	116	0.65	1.0	0.0	79.1	-22.1	72.5	75.8	106	0.65	1.0	0.0	79.1	-22.1	72.5	75.8	106	0.65	1.0	0.0	79.1	-22.1	72.5	75.8	106
107	112	117	0.633	1.0	0.0	78.3	-22.8	71.7	75.2	107	0.633	1.0	0.0	78.3	-22.8	71.7	75.2	107	0.633	1.0	0.0	78.3	-22.8	71.7	75.2	107
108	113	119	0.616	1.0	0.0	77.6	-23.7	70.6	74.5	108	0.617	1.0	0.0	77.6	-23.7	70.6	74.5	108	0.617	1.0	0.0	77.6	-23.7	70.6	74.5	108
109	114	120	0.6	1.0	0.0	77.0	-24.7	69.2	73.5	109	0.6	1.0	0.0	77.0	-24.7	69.2	73.5	109	0.6	1.0	0.0	77.0	-24.7	69.2	73.5	109
110	115	121	0.583	1.0	0.0	76.3	-25.8	67.9	72.6	110	0.583	1.0	0.0	76.3	-25.8	67.9	72.6	110	0.583	1.0	0.0	76.3	-25.8	67.9	72.6	110
111	116	122	0.566	1.0	0.0	75.7	-26.7	66.5	71.7	111	0.567	1.0	0.0	75.7	-26.7	66.5	71.7	111	0.567	1.0	0.0	75.7	-26.7	66.5	71.7	111
113	117	123	0.55	1.0	0.0	75.1	-27.6	65.1	70.7	113	0.55	1.0	0.0	75.1	-27.6	65.1	70.7	113	0.55	1.0	0.0	75.1	-27.6	65.1	70.7	113
114	118	124	0.533	1.0	0.0	74.4	-28.5	63.6	69.8	114	0.533	1.0	0.0	74.4	-28.5	63.6	69.8	114	0.533	1.0	0.0	74.4	-28.5	63.6	69.8	114
115	119	126	0.516	1.0	0.0	73.8	-29.4	62.2	68.8	115	0.517	1.0	0.0	73.8	-29.4	62.2	68.8	115	0.517	1.0	0.0	73.8	-29.4	62.2	68.8	115
116	120	127	0.5	1.0	0.0	73.1	-30.2	60.8	67.9	116	0.5	1.0	0.0	73.1	-30.2	60.8	67.9	116	0.5	1.0	0.0	73.1	-30.2	60.8	67.9	116

1-0031030-L0 SE040-70 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 11/33

TUB-test chart SE04; 16 hues, offset standard paper APCO input: $rgb/cmyk \rightarrow rgb_d$
48 step hue circles; $rgb-LabCh$ *tables, 3D=0, de=0, $cmyk$ output: transfer to $cmyk_d$

see similar files: <http://130.149.60.45/~farbmetrik/SE04/SE04.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE04/SE04L0NP.PDF /.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 cmykn6*, 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}	$LAB^*_{dd361Mi}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dex361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}																			
116	120	127	0.5	1.0	0.0	73.1	-30.2	60.8	67.9	116	0.445	1.0	0.0	71.3	-33.1	57.5	66.4	120	0.5	1.0	0.0	0.35	1.0	0.0	67.3	-38.8	51.1	64.3	127	0.5	1.0	0.0
117	121	128	0.483	1.0	0.0	72.6	-31.1	59.8	67.4	117	0.43	1.0	0.0	70.8	-33.9	56.5	65.9	121	0.483	1.0	0.0	0.34	1.0	0.0	66.6	-39.8	50.3	64.2	128	0.483	1.0	0.0
118	122	129	0.466	1.0	0.0	72.0	-32.0	58.8	66.9	118	0.415	1.0	0.0	70.2	-34.6	55.6	65.5	122	0.467	1.0	0.0	0.329	1.0	0.0	65.9	-40.8	49.4	64.2	129	0.467	1.0	0.0
119	123	130	0.45	1.0	0.0	71.4	-32.9	57.7	66.5	119	0.399	1.0	0.0	69.7	-35.3	54.6	65.1	123	0.45	1.0	0.0	0.319	1.0	0.0	65.2	-41.7	48.5	64.1	130	0.45	1.0	0.0
120	124	131	0.433	1.0	0.0	70.8	-33.7	56.7	66.0	120	0.384	1.0	0.0	69.2	-36.1	53.6	64.7	124	0.433	1.0	0.0	0.308	1.0	0.0	64.6	-42.7	47.6	64.0	131	0.433	1.0	0.0
121	125	133	0.416	1.0	0.0	70.2	-34.6	55.6	65.5	121	0.371	1.0	0.0	68.6	-36.8	52.7	64.4	125	0.417	1.0	0.0	0.297	1.0	0.0	63.9	-43.6	46.7	64.0	133	0.417	1.0	0.0
122	126	134	0.4	1.0	0.0	69.7	-35.4	54.6	65.1	122	0.362	1.0	0.0	68.0	-37.7	52.0	64.3	126	0.4	1.0	0.0	0.287	1.0	0.0	63.2	-44.5	45.8	63.9	134	0.4	1.0	0.0
124	127	135	0.383	1.0	0.0	69.1	-36.1	53.5	64.6	124	0.353	1.0	0.0	67.4	-38.6	51.3	64.3	127	0.383	1.0	0.0	0.276	1.0	0.0	62.5	-45.4	44.8	63.9	135	0.383	1.0	0.0
125	128	136	0.366	1.0	0.0	68.3	-37.3	52.3	64.3	125	0.344	1.0	0.0	66.9	-39.4	50.6	64.2	128	0.367	1.0	0.0	0.265	1.0	0.0	61.8	-46.2	43.8	63.8	136	0.367	1.0	0.0
127	129	137	0.35	1.0	0.0	67.2	-38.9	51.1	64.2	127	0.335	1.0	0.0	66.3	-40.3	49.9	64.2	129	0.35	1.0	0.0	0.255	1.0	0.0	61.2	-47.1	42.9	63.7	137	0.35	1.0	0.0
129	130	138	0.333	1.0	0.0	66.1	-40.5	49.7	64.1	129	0.326	1.0	0.0	65.7	-41.1	49.1	64.1	130	0.333	1.0	0.0	0.243	1.0	0.0	60.6	-48.0	41.9	63.8	138	0.333	1.0	0.0
130	131	140	0.316	1.0	0.0	65.1	-42.0	48.3	64.0	130	0.316	1.0	0.0	65.1	-41.9	48.4	64.1	131	0.317	1.0	0.0	0.229	1.0	0.0	60.2	-49.0	41.0	64.0	140	0.317	1.0	0.0
132	132	141	0.3	1.0	0.0	64.0	-43.4	46.9	63.9	132	0.307	1.0	0.0	64.5	-42.7	47.6	64.0	132	0.3	1.0	0.0	0.216	1.0	0.0	59.7	-49.9	40.1	64.1	141	0.3	1.0	0.0
134	133	142	0.283	1.0	0.0	63.0	-44.8	45.4	63.8	134	0.298	1.0	0.0	63.9	-43.5	46.8	64.0	133	0.283	1.0	0.0	0.203	1.0	0.0	59.3	-50.9	39.2	64.3	142	0.283	1.0	0.0
136	134	143	0.266	1.0	0.0	61.9	-46.2	43.9	63.8	136	0.289	1.0	0.0	63.4	-44.3	46.0	63.9	134	0.267	1.0	0.0	0.19	1.0	0.0	58.9	-51.8	38.3	64.5	143	0.267	1.0	0.0
138	135	144	0.25	1.0	0.0	60.8	-47.5	42.4	63.7	138	0.28	1.0	0.0	62.8	-45.1	45.2	63.9	135	0.25	1.0	0.0	0.176	1.0	0.0	58.4	-52.7	37.3	64.6	144	0.25	1.0	0.0
139	136	145	0.233	1.0	0.0	60.3	-48.7	41.3	63.9	139	0.271	1.0	0.0	62.2	-45.8	44.3	63.8	136	0.233	1.0	0.0	0.163	1.0	0.0	58.0	-53.6	36.3	64.8	145	0.233	1.0	0.0
141	137	147	0.216	1.0	0.0	59.7	-49.9	40.1	64.1	141	0.262	1.0	0.0	61.6	-46.5	43.5	63.8	137	0.217	1.0	0.0	0.15	1.0	0.0	57.6	-54.4	35.3	65.0	147	0.217	1.0	0.0
142	138	148	0.2	1.0	0.0	59.2	-51.1	39.0	64.3	142	0.252	1.0	0.0	61.0	-47.3	42.6	63.7	138	0.2	1.0	0.0	0.137	1.0	0.0	57.1	-55.3	34.3	65.1	148	0.2	1.0	0.0
144	139	149	0.183	1.0	0.0	58.6	-52.3	37.8	64.5	144	0.242	1.0	0.0	60.6	-48.1	41.9	63.8	139	0.183	1.0	0.0	0.123	1.0	0.0	56.7	-56.2	33.3	65.4	149	0.183	1.0	0.0
145	140	150	0.166	1.0	0.0	58.1	-53.4	36.5	64.7	145	0.23	1.0	0.0	60.2	-48.9	41.1	64.0	140	0.167	1.0	0.0	0.112	1.0	0.0	56.2	-57.5	32.5	66.1	150	0.167	1.0	0.0
147	141	151	0.15	1.0	0.0	57.5	-54.5	35.3	64.9	147	0.219	1.0	0.0	59.8	-49.7	40.3	64.1	141	0.15	1.0	0.0	0.1	1.0	0.0	55.7	-58.8	31.7	66.9	151	0.15	1.0	0.0
148	142	152	0.133	1.0	0.0	57.0	-55.5	34.0	65.1	148	0.207	1.0	0.0	59.5	-50.5	39.6	64.2	142	0.133	1.0	0.0	0.088	1.0	0.0	55.2	-60.1	30.8	67.6	152	0.133	1.0	0.0
150	143	154	0.116	1.0	0.0	56.3	-57.0	32.8	65.8	150	0.196	1.0	0.0	59.1	-51.3	38.8	64.4	143	0.117	1.0	0.0	0.076	1.0	0.0	54.8	-61.3	29.9	68.3	154	0.117	1.0	0.0
151	144	155	0.1	1.0	0.0	55.7	-58.8	31.6	66.8	151	0.185	1.0	0.0	58.7	-52.1	37.9	64.5	144	0.1	1.0	0.0	0.065	1.0	0.0	54.3	-62.6	28.9	69.1	155	0.1	1.0	0.0
153	145	156	0.083	1.0	0.0	55.0	-60.6	30.4	67.8	153	0.173	1.0	0.0	58.3	-52.9	37.1	64.7	145	0.083	1.0	0.0	0.053	1.0	0.0	53.8	-63.9	27.9	69.8	156	0.083	1.0	0.0
155	146	157	0.066	1.0	0.0	54.3	-62.4	29.1	68.9	155	0.162	1.0	0.0	58.0	-53.6	36.2	64.8	146	0.067	1.0	0.0	0.041	1.0	0.0	53.3	-65.1	26.9	70.5	157	0.067	1.0	0.0
156	147	158	0.049	1.0	0.0	53.6	-64.2	27.7	69.9	156	0.151	1.0	0.0	57.6	-54.4	35.4	65.0	147	0.05	1.0	0.0	0.029	1.0	0.0	52.8	-66.3	25.9	71.3	158	0.05	1.0	0.0
158	148	159	0.033	1.0	0.0	53.0	-65.9	26.2	71.0	158	0.139	1.0	0.0	57.2	-55.1	34.5	65.1	148	0.033	1.0	0.0	0.017	1.0	0.0	52.4	-67.5	24.8	72.0	159	0.033	1.0	0.0
159	149	161	0.016	1.0	0.0	52.3	-67.7	24.6	72.0	159	0.128	1.0	0.0	56.8	-55.8	33.6	65.2	149	0.017	1.0	0.0	0.006	1.0	0.0	51.9	-68.7	23.6	72.8	161	0.017	1.0	0.0
161	150	162	0.0	1.0	0.0	51.6	-69.3	23.0	73.1	161	G_d 0.117	1.0	0.0	56.4	-56.8	32.9	65.8	150	G_s 0.0	1.0	0.0	0.0	1.0	0.011	51.7	-69.0	22.2	72.6	162	G_c 0.0	1.0	0.0
162	151	163	0.0	1.0	0.016	51.7	-69.0	21.7	72.3	162	0.107	1.0	0.0	56.0	-58.0	32.2	66.4	151	0.0	1.0	0.017	0.0	1.0	0.028	51.8	-68.7	20.8	71.8	163	0.0	1.0	0.017
163	152	164	0.0	1.0	0.033	51.8	-68.6	20.4	71.6	163	0.097	1.0	0.0	55.6	-59.1	31.5	67.0	152	0.0	1.0	0.033	0.0	1.0	0.045	51.9	-68.3	19.5	71.1	164	0.0	1.0	0.033
164	153	164	0.0	1.0	0.05	51.9	-68.2	19.1	70.8	164	0.087	1.0	0.0	55.2	-60.2	30.7	67.7	153	0.0	1.0	0.05	0.0	1.0	0.062	52.0	-67.8	18.2	70.3	164	0.0	1.0	0.05
165	154	165	0.0	1.0	0.066	52.0	-67.8	17.9	70.1	165	0.077	1.0	0.0	54.8	-61.3	29.9	68.3	154	0.0	1.0	0.067	0.0	1.0	0.079	52.1	-67.4	17.0	69.6	165	0.0	1.0	0.067
166	155	166	0.0	1.0	0.083	52.1	-67.3	16.6	69.3	166	0.067	1.0	0.0	54.4	-62.4	29.1	68.9	155	0.0	1.0	0.083	0.0	1.0	0.096	52.2	-66.9	15.7	68.8	166	0.0	1.0	0.083
166	156	167	0.0	1.0	0.1	52.2	-66.8	15.4	68.6	166	0.057	1.0	0.0	54.0	-63.4	28.3	69.6	156	0.0	1.0	0.1	0.0	1.0	0.113	52.3	-66.4	14.5	68.1	167	0.0	1.0	0.1
167	157	168	0.0	1.0	0.116	52.3	-66.3	14.2	67.9	167	0.047	1.0	0.0	53.5	-64.5	27.4	70.2	157	0.0	1.0	0.117	0.0	1.0	0.129	52.4	-65.9	13.3	67.3	168	0.0	1.0	0.117
168	158	169	0.0	1.0	0.133	52.4	-65.9	12.9	67.1	168	0.037	1.0	0.0	53.1	-65.6	26.5	70.8	158	0.0	1.0	0.133	0.0	1.0	0.144	52.5	-65.5	12.1	66.7	169	0.0	1.0	0.133
169	159	170	0.0	1.0	0.15	52.5	-65.4	11.6	66.4	169	0.026	1.0	0.0	52.7	-66.6	25.6	71.5	159	0.0	1.0	0.15	0.0	1.0	0.158	52.6	-65.0	11.0	66.1	170	0.0	1.0	0.15
170	160	171	0.0	1.0	0.166	52.5	-64.8	10.3	65.6	170	0.016	1.0	0.0	52.3	-67.6	24.7																

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^*_{dd361M}					$LAB^*_{dsx361Mi}(x=LabCh)$					$rgb^*_{ds361Mi}$					$LAB^*_{dex361Mi}(x=LabCh)$					$rgb^*_{dd361Mi}$					$rgb^*_{de361Mi}$					$LAB^*_{dex361Mi}(x=LabCh)$					$rgb^*_{dd361Mi}$					rgb^*_{dd}					rgb^*_{ds}					rgb^*_{de}																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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 SE04; 16 hues, offset standard paper APCO
48 step hue circles; $rgb-LabCh$ *tables, 3D=0, de=0, $cmyk$

input: $rgb/cmyk \rightarrow rgb_d$
output: transfer to $cmyk_d$

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* _{dd361M}			LAB* _{dd361Mi} (x=LabCh)			rgb* _{ds361Mi}			LAB* _{dsx361Mi} (x=LabCh)			rgb* _{dd361Mi}			rgb* _{de361Mi}			LAB* _{dex361Mi} (x=LabCh)			rgb* _{dd361Mi}			rgb* _{ad}	rgb* _{as}	rgb* _{de}						
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	268	0.0	0.033	1.0	0.0	0.381	1.0	37.6	0.0	-46.4	46.5	269	0.0	0.033	1.0			
294	269	270	0.0	0.016	1.0	25.4	22.1	-47.8	52.7	294	0.0	0.393	1.0	38.0	-0.7	-46.4	46.5	269	0.0	0.017	1.0	0.0	0.37	1.0	37.1	0.7	-46.4	46.5	270	0.0	0.017	1.0			
295	270	271	0.0	0.0	1.0	24.9	22.9	-47.8	53.0	295	B _d 0.0	0.38	1.0	37.5	0.0	-46.4	46.5	270	B _s 0.0	0.0	1.0	0.0	0.358	1.0	36.7	1.4	-46.5	46.7	271	B _e 0.0	0.0	1.0			
297	271	272	0.016	0.0	1.0	25.3	24.1	-47.3	53.1	297	0.0	0.368	1.0	37.0	0.8	-46.4	46.6	271	0.017	0.0	1.0	0.0	0.346	1.0	36.3	2.2	-46.6	46.8	272	0.017	0.0	1.0			
298	272	273	0.033	0.0	1.0	25.7	25.3	-46.8	53.2	298	0.0	0.355	1.0	36.6	1.6	-46.6	46.7	272	0.033	0.0	1.0	0.0	0.334	1.0	35.8	3.0	-46.7	46.9	273	0.033	0.0	1.0			
299	273	274	0.05	0.0	1.0	26.1	26.4	-46.2	53.3	299	0.0	0.342	1.0	36.1	2.5	-46.7	46.8	273	0.05	0.0	1.0	0.0	0.322	1.0	35.4	3.8	-46.8	47.0	274	0.05	0.0	1.0			
301	274	275	0.066	0.0	1.0	26.5	27.6	-45.7	53.3	301	0.0	0.33	1.0	35.7	3.3	-46.7	47.0	274	0.067	0.0	1.0	0.0	0.31	1.0	35.0	4.5	-46.9	47.2	275	0.067	0.0	1.0			
302	275	276	0.083	0.0	1.0	26.9	28.7	-45.1	53.4	302	0.0	0.317	1.0	35.2	4.1	-46.8	47.1	275	0.083	0.0	1.0	0.0	0.298	1.0	34.5	5.3	-46.9	47.3	276	0.083	0.0	1.0			
303	276	277	0.1	0.0	1.0	27.2	29.8	-44.4	53.5	303	0.0	0.304	1.0	34.7	4.9	-46.9	47.2	276	0.1	0.0	1.0	0.0	0.286	1.0	34.1	6.1	-46.9	47.4	277	0.1	0.0	1.0			
305	277	278	0.116	0.0	1.0	27.6	30.9	-43.8	53.6	305	0.0	0.291	1.0	34.3	5.8	-46.9	47.4	277	0.117	0.0	1.0	0.0	0.274	1.0	33.7	6.9	-47.0	47.6	278	0.117	0.0	1.0			
306	278	279	0.133	0.0	1.0	28.0	31.7	-43.2	53.7	306	0.0	0.279	1.0	33.8	6.6	-46.9	47.5	278	0.133	0.0	1.0	0.0	0.262	1.0	33.2	7.7	-47.0	47.7	279	0.133	0.0	1.0			
307	279	280	0.15	0.0	1.0	28.2	32.4	-42.8	53.7	307	0.0	0.266	1.0	33.4	7.5	-47.0	47.6	279	0.15	0.0	1.0	0.0	0.25	1.0	32.8	8.5	-47.0	47.8	280	0.15	0.0	1.0			
307	280	281	0.166	0.0	1.0	28.5	33.0	-42.5	53.8	307	0.0	0.253	1.0	32.9	8.3	-47.0	47.8	280	0.167	0.0	1.0	0.0	0.237	1.0	32.3	9.4	-47.1	48.1	281	0.167	0.0	1.0			
308	281	282	0.183	0.0	1.0	28.8	33.6	-42.1	53.9	308	0.0	0.24	1.0	32.4	9.2	-47.0	48.0	281	0.183	0.0	1.0	0.0	0.224	1.0	31.8	10.2	-47.2	48.4	282	0.183	0.0	1.0			
309	282	283	0.2	0.0	1.0	29.1	34.2	-41.6	53.9	309	0.0	0.226	1.0	31.9	10.0	-47.2	48.3	282	0.2	0.0	1.0	0.0	0.211	1.0	31.3	11.0	-47.3	48.6	283	0.2	0.0	1.0			
310	283	284	0.216	0.0	1.0	29.4	34.8	-41.2	54.0	310	0.0	0.213	1.0	31.4	10.9	-47.3	48.6	283	0.217	0.0	1.0	0.0	0.198	1.0	30.8	11.9	-47.4	48.9	284	0.217	0.0	1.0			
310	284	285	0.233	0.0	1.0	29.6	35.4	-40.8	54.1	310	0.0	0.199	1.0	30.9	11.8	-47.4	48.9	284	0.233	0.0	1.0	0.0	0.185	1.0	30.4	12.7	-47.4	49.2	285	0.233	0.0	1.0			
311	285	285	0.25	0.0	1.0	29.9	36.0	-40.4	54.1	311	0.0	0.185	1.0	30.4	12.7	-47.4	49.2	285	0.25	0.0	1.0	0.0	0.172	1.0	29.9	13.6	-47.5	49.5	285	0.25	0.0	1.0			
313	286	286	0.266	0.0	1.0	30.4	37.7	-39.5	54.6	313	0.0	0.172	1.0	29.8	13.6	-47.5	49.5	286	0.267	0.0	1.0	0.0	0.159	1.0	29.4	14.5	-47.5	49.8	286	0.267	0.0	1.0			
315	287	287	0.283	0.0	1.0	30.9	39.3	-38.5	55.0	315	0.0	0.158	1.0	29.3	14.6	-47.5	49.8	287	0.283	0.0	1.0	0.0	0.146	1.0	28.9	15.3	-47.5	50.0	287	0.283	0.0	1.0			
317	288	288	0.3	0.0	1.0	31.5	40.9	-37.5	55.5	317	0.0	0.144	1.0	28.8	15.5	-47.5	50.1	288	0.3	0.0	1.0	0.0	0.133	1.0	28.4	16.2	-47.5	50.3	288	0.3	0.0	1.0			
319	289	289	0.316	0.0	1.0	32.0	42.4	-36.4	55.9	319	0.0	0.13	1.0	28.3	16.4	-47.5	50.4	289	0.317	0.0	1.0	0.0	0.118	1.0	27.9	17.1	-47.5	50.6	289	0.317	0.0	1.0			
321	290	290	0.333	0.0	1.0	32.5	44.0	-35.3	56.4	321	0.0	0.113	1.0	27.8	17.4	-47.6	50.7	290	0.333	0.0	1.0	0.0	0.099	1.0	27.5	18.0	-47.6	51.0	290	0.333	0.0	1.0			
323	291	291	0.35	0.0	1.0	33.0	45.5	-34.1	56.9	323	0.0	0.093	1.0	27.3	18.3	-47.6	51.1	291	0.35	0.0	1.0	0.0	0.08	1.0	27.0	19.0	-47.7	51.4	291	0.35	0.0	1.0			
325	292	292	0.366	0.0	1.0	33.5	47.0	-32.8	57.3	325	0.0	0.073	1.0	26.8	19.3	-47.7	51.6	292	0.367	0.0	1.0	0.0	0.061	1.0	26.5	19.9	-47.7	51.8	292	0.367	0.0	1.0			
326	293	293	0.383	0.0	1.0	34.0	48.1	-31.9	57.7	326	0.0	0.053	1.0	26.3	20.3	-47.7	52.0	293	0.383	0.0	1.0	0.0	0.042	1.0	26.0	20.8	-47.8	52.2	293	0.383	0.0	1.0			
327	294	294	0.4	0.0	1.0	34.4	49.0	-31.3	58.1	327	0.0	0.033	1.0	25.8	21.3	-47.8	52.4	294	0.4	0.0	1.0	0.0	0.023	1.0	25.6	21.8	-47.8	52.6	294	0.4	0.0	1.0			
328	295	295	0.416	0.0	1.0	34.8	49.8	-30.6	58.5	328	0.0	0.013	1.0	25.3	22.3	-47.																			

1-0031430-L0 SE040-70 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 SE04; 16 hues, offset standard paper APCO input: $rgb/cmyk \rightarrow rgb_d$
48 step hue circles; $rgb-LabCh$ *tables, 3D=0, de=0, $cmyk$ output: transfer to $cmyk_d$

Output: Offset standard print; separation cmy6*, D65, page 15/33

TUB registration: 20130201-SE04/SE04L0NP.PDF /.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 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^*_{dd361M}			$LAB^*_{dxd361Mi}(x=LabCh)$					$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}(x=LabCh)$					$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}(x=LabCh)$					$rgb^*_{dd361Mi}$		
333	300	300	0.5	0.0	1.0	37.0	53.9	-27.1	60.4	333	0.053	0.0	1.0	26.2	26.7	-46.1	53.3	300	0.5	0.0	1.0	0.055	0.0	1.0	26.3	26.8	-46.0	53.3	300	0.5	0.0	1.0
334	301	301	0.516	0.0	1.0	37.5	54.7	-26.5	60.8	334	0.065	0.0	1.0	26.5	27.5	-45.7	53.4	301	0.517	0.0	1.0	0.067	0.0	1.0	26.5	27.6	-45.6	53.4	301	0.517	0.0	1.0
334	302	302	0.533	0.0	1.0	37.9	55.5	-25.9	61.3	334	0.077	0.0	1.0	26.8	28.3	-45.2	53.4	302	0.533	0.0	1.0	0.078	0.0	1.0	26.8	28.4	-45.2	53.4	302	0.533	0.0	1.0
335	303	303	0.55	0.0	1.0	38.3	56.3	-25.2	61.7	335	0.09	0.0	1.0	27.1	29.1	-44.8	53.5	303	0.55	0.0	1.0	0.09	0.0	1.0	27.1	29.2	-44.8	53.5	303	0.55	0.0	1.0
336	304	303	0.566	0.0	1.0	38.7	57.1	-24.6	62.2	336	0.102	0.0	1.0	27.3	29.9	-44.3	53.6	304	0.567	0.0	1.0	0.101	0.0	1.0	27.3	29.9	-44.3	53.6	303	0.567	0.0	1.0
337	305	304	0.583	0.0	1.0	39.1	57.8	-23.9	62.6	337	0.114	0.0	1.0	27.6	30.8	-43.8	53.6	305	0.583	0.0	1.0	0.113	0.0	1.0	27.6	30.7	-43.9	53.6	304	0.583	0.0	1.0
338	306	305	0.6	0.0	1.0	39.6	58.6	-23.2	63.0	338	0.127	0.0	1.0	27.9	31.5	-43.3	53.7	306	0.6	0.0	1.0	0.124	0.0	1.0	27.9	31.4	-43.4	53.7	305	0.6	0.0	1.0
339	307	306	0.616	0.0	1.0	40.0	59.4	-22.5	63.5	339	0.148	0.0	1.0	28.3	32.4	-42.8	53.8	307	0.617	0.0	1.0	0.144	0.0	1.0	28.2	32.2	-42.9	53.7	306	0.617	0.0	1.0
340	308	307	0.633	0.0	1.0	40.4	60.2	-21.7	64.0	340	0.17	0.0	1.0	28.6	33.2	-42.3	53.8	308	0.633	0.0	1.0	0.165	0.0	1.0	28.5	33.0	-42.5	53.8	307	0.633	0.0	1.0
341	309	308	0.65	0.0	1.0	40.8	61.2	-20.9	64.7	341	0.191	0.0	1.0	29.0	33.9	-41.8	53.9	309	0.65	0.0	1.0	0.185	0.0	1.0	28.9	33.7	-42.0	53.9	308	0.65	0.0	1.0
342	310	309	0.666	0.0	1.0	41.2	62.1	-20.1	65.3	342	0.213	0.0	1.0	29.3	34.7	-41.3	54.0	310	0.667	0.0	1.0	0.205	0.0	1.0	29.2	34.5	-41.5	54.0	309	0.667	0.0	1.0
342	311	310	0.683	0.0	1.0	41.6	63.1	-19.3	66.0	342	0.234	0.0	1.0	29.7	35.5	-40.7	54.1	311	0.683	0.0	1.0	0.225	0.0	1.0	29.6	35.2	-41.0	54.1	310	0.683	0.0	1.0
343	312	311	0.7	0.0	1.0	42.1	64.0	-18.4	66.6	343	0.252	0.0	1.0	30.0	36.3	-40.2	54.2	312	0.7	0.0	1.0	0.246	0.0	1.0	29.9	35.9	-40.4	54.2	311	0.7	0.0	1.0
344	313	312	0.716	0.0	1.0	42.5	64.9	-17.5	67.3	344	0.261	0.0	1.0	30.3	37.2	-39.7	54.5	313	0.717	0.0	1.0	0.257	0.0	1.0	30.2	36.7	-40.0	54.4	312	0.717	0.0	1.0
345	314	313	0.733	0.0	1.0	42.9	65.8	-16.6	67.9	345	0.27	0.0	1.0	30.6	38.0	-39.3	54.7	314	0.733	0.0	1.0	0.265	0.0	1.0	30.4	37.5	-39.5	54.6	313	0.733	0.0	1.0
346	315	314	0.75	0.0	1.0	43.3	66.7	-15.7	68.5	346	0.279	0.0	1.0	30.8	38.9	-38.8	55.0	315	0.75	0.0	1.0	0.273	0.0	1.0	30.7	38.3	-39.1	54.8	314	0.75	0.0	1.0
347	316	315	0.766	0.0	1.0	43.6	67.3	-15.2	69.0	347	0.287	0.0	1.0	31.1	39.7	-38.2	55.2	316	0.767	0.0	1.0	0.282	0.0	1.0	30.9	39.1	-38.6	55.0	315	0.767	0.0	1.0
347	317	316	0.783	0.0	1.0	44.0	67.8	-14.7	69.4	347	0.296	0.0	1.0	31.4	40.5	-37.7	55.4	317	0.783	0.0	1.0	0.29	0.0	1.0	31.2	39.9	-38.1	55.3	316	0.783	0.0	1.0
348	318	317	0.8	0.0	1.0	44.3	68.3	-14.2	69.8	348	0.305	0.0	1.0	31.7	41.4	-37.2	55.7	318	0.8	0.0	1.0	0.298	0.0	1.0	31.4	40.7	-37.6	55.5	317	0.8	0.0	1.0
348	319	318	0.816	0.0	1.0	44.7	68.8	-13.7	70.2	348	0.314	0.0	1.0	31.9	42.2	-36.6	55.9	319	0.817	0.0	1.0	0.307	0.0	1.0	31.7	41.5	-37.1	55.7	318	0.817	0.0	1.0
349	320	319	0.833	0.0	1.0	45.0	69.4	-13.2	70.6	349	0.323	0.0	1.0	32.2	43.0	-36.0	56.2	320	0.833	0.0	1.0	0.315	0.0	1.0	32.0	42.3	-36.5	55.9	319	0.833	0.0	1.0
349	321	320	0.85	0.0	1.0	45.4	69.9	-12.7	71.0	349	0.331	0.0	1.0	32.5	43.8	-35.4	56.4	321	0.85	0.0	1.0	0.323	0.0	1.0	32.2	43.1	-36.0	56.2	320	0.85	0.0	1.0
350	322	321	0.866	0.0	1.0	45.7	70.4	-12.2	71.5	350	0.34	0.0	1.0	32.7	44.6	-34.8	56.6	322	0.867	0.0	1.0	0.332	0.0	1.0	32.5	43.9	-35.4	56.4	321	0.867	0.0	1.0
350	323	321	0.883	0.0	1.0	46.0	70.9	-11.8	71.9	350	0.349	0.0	1.0	33.0	45.4	-34.1	56.9	323	0.883	0.0	1.0	0.34	0.0	1.0	32.7	44.6	-34.8	56.6	321	0.883	0.0	1.0
350	324	322	0.9	0.0	1.0	46.3	71.4	-11.3	72.3	350	0.358	0.0	1.0	33.3	46.2	-33.5	57.1	324	0.9	0.0	1.0	0.348	0.0	1.0	33.0	45.4	-34.2	56.9	322	0.9	0.0	1.0
351	325	323	0.916	0.0	1.0	46.7	71.8	-10.9	72.7	351	0.366	0.0	1.0	33.5	47.0	-32.8	57.4	325	0.917	0.0	1.0	0.357	0.0	1.0	33.2	46.1	-33.6	57.1	323	0.917	0.0	1.0
351	326	324	0.933	0.0	1.0	47.0	72.3	-10.5	73.1	351	0.375	0.0	1.0	33.8	47.8	-32.1	57.6	326	0.933	0.0	1.0	0.365	0.0	1.0	33.5	46.8	-32.9	57.3	324	0.933	0.0	1.0
352	327	325	0.95	0.0	1.0	47.3	72.8	-10.1	73.5	352	0.393	0.0	1.0	34.3	48.6	-31.5	58.0	327	0.95	0.0	1.0	0.373	0.0	1.0	33.7	47.6	-32.3	57.5	325	0.95	0.0	1.0
352	328	326	0.966	0.0	1.0	47.6	73.2	-9.6	73.9	352	0.41	0.0	1.0	34.7	49.5	-30.8	58.4	328	0.967	0.0	1.0	0.388	0.0	1.0	34.1	48.4	-31.7	57.9	326	0.967	0.0	1.0
352	329	327	0.983	0.0	1.0	47.9	73.7	-9.2	74.3	352	0.427	0.0	1.0	35.2	50.4	-30.2	58.8	329	0.983	0.0	1.0	0.404	0.0	1.0	34.6	49.2	-31.1	58.2	327	0.983	0.0	1.0
353	330	328	1.0	0.0	1.0	48.2	74.2	-8.7	74.7	353	0.444	0.0	1.0	35.6	51.2	-29.5	59.1	330	1.0	0.0	1.0	0.42	0.0	1.0	35.0	50.0	-30.4	58.6	328	1.0	0.0	1.0
353	331	329	1.0	0.0	0.983	48.2	74.0	-8.2	74.5	353	0.461	0.0	1.0	36.1	52.1	-28.8	59.5	331	1.0	0.0	0.983	0.436	0.0	1.0	35.4	50.8	-29.8	59.0	329	1.0	0.0	0.983
354	332	330	1.0	0.0	0.966	48.2	73.9	-7.7	74.3	354	0.478	0.0	1.0	36.5	52.9	-28.0	59.9	332	1.0	0.0	0.967	0.452	0.0	1.0	35.8	51.7	-29.1	59.3	330	1.0	0.0	0.967
354	333	331	1.0	0.0	0.95	48.2	73.8	-7.2	74.1	354	0.495	0.0	1.0	37.0	53.7	-27.3	60.3	333	1.0	0.0	0.95	0.469	0.0	1.0	36.3	52.4	-28.4	59.7	331	1.0	0.0	0.95
354	334	332	1.0	0.0	0.933	48.2	73.6	-6.7	73.9	354	0.514	0.0	1.0	37.4	54.6	-26.5	60.8	334	1.0	0.0	0.933	0.485	0.0	1.0	36.7	53.2	-27.7	60.1	332	1.0	0.0	0.933
355	335	333	1.0	0.0	0.916	48.2	73.5	-6.2	73.8	355	0.534	0.0	1.0	37.9	55.6	-25.8	61.3	335														

see similar files: <http://130.149.60.45/~farbmeterik/SE04/SE04.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmeterik>

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

[illegible]

TUB registration: 20130201-SE04/SE04L0NP.PDF /.PS
application for measurement of offset print output, sepa

TUB material: code=rha4ta

Output: Offset standard print; separation cmyn6*, D65, page 17/33

TUB-test chart SE04; 16 hues, offset standard paper APCO 48 step hue circles; $rgb-LabCh^*$ tables, 3D=0, de=0, $cm\dot{y}k$ input: $rgb/cmyk \rightarrow rgb_d$
output: transfer to $cmyk_d$

output: transfer to $cmyk_d$

see similar files: <http://130.149.60.45/~farbmetrik/SE04/SE04L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

n/j	HIC*Fd	rgb_Fd	ict_Fd	hsi_Fd	rgb*Fd	LabCh*Fd	rgb**Fd	LabCh**Fd	DE**Fd	hsiMd	rgb*Md	LabCh*Md				
0/648	R00Y_100_100d	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.5	65.5	38.4	76.0	30.4
1/657	R13Y_100_100d	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.116	0.0	47.5	65.6	43.1	71.2	37.2
2/666	R25Y_100_100d	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	55.9	47.3	48.7	67.9	45.8
3/675	R38Y_100_100d	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.366	0.0	62.0	35.2	56.0	66.2	57.8
4/684	R50Y_100_100d	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	68.1	24.0	63.0	67.4	69.1
5/693	R63Y_100_100d	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.633	0.0	75.3	11.6	72.0	72.9	80.8
6/702	R75Y_100_100d	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	81.2	2.5	78.8	78.9	88.1
7/711	R88Y_100_100d	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.883	0.0	85.6	-4.1	84.3	84.4	92.8
8/720	Y00G_100_100d	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	89.4	-9.5	89.0	89.6	96.0
9/639	Y13G_100_100d	0.875	1.0	0.0	1.0	1.0	0.5	97	0.883	1.0	0.0	86.9	-13.6	83.1	84.2	99.3
10/558	Y25G_100_100d	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	84.1	-17.3	77.9	79.8	102.5
11/477	Y38G_100_100d	0.625	1.0	0.0	1.0	1.0	0.5	112	0.633	1.0	0.0	78.3	-22.8	71.7	75.2	107.6
12/396	Y50G_100_100d	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	73.1	-30.2	60.8	67.9	116.4
13/315	Y63G_100_100d	0.375	1.0	0.0	1.0	1.0	0.5	128	0.366	1.0	0.0	68.3	-37.3	52.3	64.3	125.4
14/234	Y75G_100_100d	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.3	-48.7	41.3	63.9	139.7
15/153	Y88G_100_100d	0.125	1.0	0.0	1.0	1.0	0.5	143	0.116	1.0	0.0	56.3	-57.0	32.8	65.8	150.0
16/72	G00C_100_100d	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.6	-69.3	23.0	73.1	161.6
17/73	G13C_100_100d	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.116	52.3	-66.3	13.6	67.9	167.8
18/74	G25C_100_100d	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.233	52.9	-62.5	5.2	62.7	175.2
19/75	G38C_100_100d	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.366	53.8	-56.9	-6.1	57.3	186.2
20/76	G50C_100_100d	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	54.6	-50.8	-17.3	53.7	198.8
21/77	G63C_100_100d	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.633	55.5	-45.8	-25.9	52.6	210.2
22/78	G75C_100_100d	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.766	56.7	-39.6	-34.5	52.5	221.1
23/79	G88C_100_100d	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.883	57.3	-35.8	-40.0	53.7	228.1
24/80	C00B_100_100d	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	57.8	-31.9	-45.1	55.3	234.6
25/71	C13B_100_100d	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.883	1.0	55.1	-27.8	-45.3	53.2	238.4
26/62	C25B_100_100d	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.766	1.0	51.8	-22.8	-45.6	51.0	243.3
27/53	C38B_100_100d	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.633	1.0	47.5	-16.4	-45.9	48.8	250.3
28/44	C50B_100_100d	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	42.3	-7.7	-46.3	46.9	260.4
29/35	C63B_100_100d	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.366	1.0	37.0	0.8	-46.4	46.4	271.0
30/26	C75B_100_100d	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.233	1.0	32.1	9.5	-47.2	48.1	281.4
31/17	C88B_100_100d	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.116	1.0	27.8	17.1	-47.6	50.6	289.8
32/8	B00M_100_100d	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	24.9	22.9	-47.8	53.0	295.6
33/89	B13M_100_100d	0.125	0.0	1.0	1.0	1.0	0.5	277	0.116	0.0	1.0	27.6	30.9	-43.8	53.6	305.2
34/170	B25M_100_100d	0.25	0.0	1.0	1.0	1.0	0.5	284	0.233	0.0	1.0	29.6	35.4	-40.8	54.1	310.9
35/251	B38M_100_100d	0.375	0.0	1.0	1.0	1.0	0.5	292	0.366	0.0	1.0	33.5	47.0	-32.8	57.3	325.0
36/332	B50M_100_100d	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	37.0	53.9	-27.1	60.4	333.2
37/413	B63M_100_100d	0.625	0.0	1.0	1.0	1.0	0.5	308	0.633	0.0	1.0	40.4	60.2	-21.7	64.0	340.1
38/494	B75M_100_100d	0.75	0.0	1.0	1.0	1.0	0.5	316	0.766	0.0	1.0	43.6	67.3	-15.2	69.0	347.2
39/575	B88M_100_100d	0.875	0.0	1.0	1.0	1.0	0.5	323	0.883	0.0	1.0	46.0	70.9	-11.8	71.9	350.5
40/656	M00R_100_100d	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	74.2	-8.7	74.7	353.2
41/655	M13R_100_100d	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.883	48.2	73.2	-5.1	73.4	355.9
42/654	M25R_100_100d	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.766	48.1	72.2	-1.3	72.2	358.9
43/653	M38R_100_100d	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.633	48.0	70.8	4.5	71.0	3.7
44/652	M50R_100_100d	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	47.8	69.7	11.3	70.6	9.2
45/651	M63R_100_100d	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.366	47.8	68.2	18.3	70.6	15.4
46/650	M75R_100_100d	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.233	47.8	66.9	26.3	71.9	21.4
47/649	M88R_100_100d	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.116	47.6	66.2	32.3	73.7	26.0
48/648	R00Y_100_100d	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.5	65.5	38.4	76.0	30.4
49/0	NW_000d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	51.5	56.6	43.1	71.2	397.2
50/91	NW_013d	0.125	0.125	0.125	0.125	0.0	0.0	360	0.125	0.125	0.125	18.5	0.0	0.0	0.0	9.7
51/182	NW_025d	0.25	0.25	0.25	0.25	0.0	0.0	360	0.25	0.25	0.25	30.8	-0.2	-1.2	1.3	25.7
52/273	NW_038d	0.375	0.375	0.375	0.375	0.0	0.0	360	0.375	0.375	0.375	45.2	-0.4	-2.1	2.2	25.9
53/364	NW_050d	0.5	0.5	0.5	0.5	0.0	0.0	360	0.5	0.5	0.5	57.6	-0.3	-2.0	2.0	26.1
54/455	NW_063d	0.625	0.625	0.625	0.625	0.0	0.0	360	0.625	0.625	0.625	65.9	-0.2	-2.0	2.0	26.1
55/546	NW_075d	0.75	0.75	0.75	0.75	0.0	0.0	360	0.75	0.75	0.75	75.0	-0.2	-1.6	1.6	26.1
56/637	NW_088d	0.875	0.875	0.875	0.875	0.0	0.0	360	0.875	0.875	0.875	82.6	-0.1	-1.1	1.1	26.3
57/728	NW_100d	1.0	1.0	1.0	1.0	0.0	0.0	360	1.0	1.0	1.0	90.9	0.0	-0.4	0.4	25.9

Mean color difference of this page:

delta E* = 2.4

http://130.149.60.45/~farbmetrik/SE04/SE04L0NP.PDF /.PS; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 19/33

see similar files: <http://130.149.60.45/~farbmetrik/SE04/SE04.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

n/f	HIC*Fd	rgb_Fd	ict_Fd	hsi_Fd	rgb*Fd	LabCh*Fd	rgb**Fd	LabCh**Fd	DE**Fd	hsiMd	rgb*Md	LabCh*Md				
0/648	R00Y_100_100a	1.0	0.0	0.0	1.0	1.0	0.0	0.0	47.5	65.5	38.4	76.0	30.4			
1/666	R25Y_100_100a	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	55.9	47.3	48.7	67.9	45.8
2/684	R50Y_100_100a	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	68.1	24.0	63.0	67.4	69.1
3/702	R75Y_100_100a	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	80.5	3.4	78.0	78.1	87.4
4/720	Y00G_100_100a	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	89.4	-9.5	89.0	89.6	96.0
5/558	Y25G_100_100a	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	83.7	-17.7	77.1	79.2	102.9
6/396	Y50G_100_100a	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	73.1	-30.2	60.8	67.9	116.4
7/234	Y75G_100_100a	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.8	-47.5	42.4	63.7	138.2
8/72	G00B_100_100a	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.6	-69.3	23.0	73.1	161.6
9/72	G00B_100_100a	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.6	-69.3	23.0	73.1	161.6
10/76	G25B_100_100a	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	54.6	-50.8	-17.3	53.7	198.8
11/80	G50B_100_100a	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	57.8	-31.9	-45.1	55.3	234.6
12/44	G75B_100_100a	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	42.3	-7.7	-46.3	46.9	260.4
13/8	B00M_100_100a	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	24.9	22.9	-47.8	53.0	295.6
14/332	B25R_100_100a	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	37.0	53.9	-27.1	60.4	333.2
15/656	B50R_100_100a	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	74.2	-8.7	74.7	353.2
16/652	B75R_100_100a	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	47.8	69.7	11.3	70.6	9.2
17/648	R00Y_100_100a	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.5	65.5	38.4	76.0	30.4
18/688	R00Y_100_050a	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	70.7	26.4	21.0	33.8	38.5
19/706	R50Y_100_050a	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.75	0.5	82.7	7.9	28.6	29.6	74.5
20/724	Y00G_100_050a	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	92.8	-6.1	35.6	36.2	99.7
21/562	Y50G_100_050a	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	86.5	-13.2	24.9	28.2	117.8
22/490	G00B_100_050a	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	76.1	-23.7	13.0	27.0	151.2
23/404	G50B_100_050a	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	80.1	-13.2	-19.2	23.3	235.4
24/368	B00R_100_050a	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	59.3	14.9	-24.3	28.5	301.5
25/692	B50R_100_050a	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	73.1	31.3	-7.2	32.1	346.9
26/688	R00Y_100_050a	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	70.7	26.4	21.0	33.8	38.5
27/506	R00Y_075_050a	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	54.5	30.7	22.3	37.9	36.0
28/524	R50Y_075_050a	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.5	0.25	68.4	8.1	31.3	32.3	75.4
29/542	Y00G_075_050a	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	78.8	-7.3	39.0	39.7	100.6
30/380	Y50G_075_050a	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	70.5	-15.6	29.0	33.0	118.2
31/218	G00B_075_050a	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	59.1	-28.7	14.4	32.2	153.3
32/222	G50B_075_050a	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	63.3	-15.8	-23.1	28.0	235.6
33/186	B00R_075_050a	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	42.6	13.7	-27.5	30.7	296.4
34/510	B50R_075_050a	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	56.6	36.1	-8.5	37.1	346.7
35/506	R00Y_075_050a	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	54.5	30.7	22.3	37.9	36.0
36/324	R00Y_050_050a	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	35.3	37.1	22.2	43.3	30.9
37/342	R50Y_050_050a	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.25	0.0	50.3	8.4	35.9	36.9	76.7
38/360	Y00G_050_050a	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	61.1	-8.1	47.0	47.7	99.8
39/198	Y50G_050_050a	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	51.9	-19.0	34.0	39.0	119.2
40/36	G00B_050_050a	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	41.1	-36.9	16.6	40.5	155.7
41/40	G50B_050_050a	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	44.9	-18.7	-26.5	32.4	234.7
42/4	B00R_050_050a	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	22.5	17.7	-29.3	34.3	301.0
43/328	B50R_050_050a	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	36.1	44.2	-8.4	45.0	349.2
44/324	R00Y_050_050a	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	35.3	37.1	22.2	43.3	30.9
45/0	NW_000a	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
46/91	NW_013a	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	30.8	-0.2	-1.2	1.3	257.7
47/182	NW_025a	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	45.2	-0.4	-2.1	2.2	259.4
48/273	NW_038a	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	57.6	-0.3	-2.0	2.0	261.2
49/364	NW_050a	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	65.9	-0.2	-2.0	2.0	261.9
50/455	NW_063a	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	75.0	-0.2	-1.6	1.6	261.9
51/546	NW_075a	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	82.6	-0.1	-1.1	1.1	263.4
52/637	NW_088a	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	90.9	0.0	-0.4	0.4	259.7
53/728	NW_100a	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

Mean color difference of this page:

delta E* = 4.3

TUB-test chart SE04; 16 hues, offset standard paper APCO
colors and differences, ΔE^* , 3D=0, de=0, *cmYk*
input: *rgb/cmyk* -> *rgb*_d
output: transfer to *cmYk*_dTUB registration: 20130201-SE04/SE04L0NP.PDF /.PS
application for measurement of offset print output, separationcmykn6 (CMYK)
TUB material: code=rha4ta

http://130.149.60.45/~farbmeterik/SE04/SE04L0NP.PDF /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/33

see similar files: <http://130.149.60.45/~farbmeterik/SE04/SE04L0NP.PDF> /PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmeterik>

n=j	HIC*Fd	rgb_Fd	ict_Fd	hsi_Fd	rgb*Fd	LabCh*Fd	rgb*Fd	LabCh*Fd	DE*Fd	hsiMd	rgb*Md	LabCh*Md	0.0	0.0	0.0
0	NW_000a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	B00R_012_012a	0.0	0.0	0.125	0.125	0.125	0.062	0.062	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	B00R_025_025a	0.0	0.0	0.25	0.25	0.25	0.125	0.125	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	B00R_037_037a	0.0	0.0	0.375	0.375	0.375	0.187	0.187	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	B00R_050_050a	0.0	0.0	0.5	0.5	0.5	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	B00R_062_062a	0.0	0.0	0.625	0.625	0.625	0.312	0.312	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	B00R_075_075a	0.0	0.0	0.75	0.75	0.75	0.375	0.375	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	B00R_087_087a	0.0	0.0	0.875	0.875	0.875	0.437	0.437	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	B00R_100_100a	0.0	0.0	1.0	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	G00B_012_012a	0.0	0.125	0.0	0.125	0.125	0.062	0.062	0.0	0.125	0.0	0.0	0.0	0.0	0.0
10	G50B_012_012a	0.0	0.125	0.125	0.125	0.125	0.062	0.062	0.0	0.125	0.125	0.0	0.0	0.0	0.0
11	G75B_025_025a	0.0	0.125	0.25	0.25	0.25	0.125	0.125	0.0	0.125	0.25	0.0	0.0	0.0	0.0
12	G84B_037_037a	0.0	0.125	0.375	0.375	0.375	0.187	0.187	0.0	0.125	0.375	0.0	0.0	0.0	0.0
13	G88B_050_050a	0.0	0.125	0.5	0.5	0.5	0.25	0.25	0.0	0.125	0.5	0.0	0.0	0.0	0.0
14	G90B_062_062a	0.0	0.125	0.625	0.625	0.625	0.312	0.312	0.0	0.125	0.625	0.0	0.0	0.0	0.0
15	G92B_075_075a	0.0	0.125	0.75	0.75	0.75	0.375	0.375	0.0	0.125	0.75	0.0	0.0	0.0	0.0
16	G93B_087_087a	0.0	0.125	0.875	0.875	0.875	0.437	0.437	0.0	0.125	0.875	0.0	0.0	0.0	0.0
17	G94B_100_100a	0.0	0.125	1.0	1.0	1.0	0.5	0.5	0.0	0.125	1.0	0.0	0.0	0.0	0.0
18	G00B_025_025a	0.0	0.25	0.0	0.25	0.25	0.125	0.125	0.0	0.25	0.0	0.0	0.0	0.0	0.0
19	G25B_025_025a	0.0	0.25	0.125	0.25	0.25	0.125	0.125	0.0	0.25	0.125	0.0	0.0	0.0	0.0
20	G50B_025_025a	0.0	0.25	0.25	0.25	0.25	0.125	0.125	0.0	0.25	0.25	0.0	0.0	0.0	0.0
21	G65B_037_037a	0.0	0.25	0.375	0.375	0.375	0.187	0.187	0.0	0.25	0.375	0.0	0.0	0.0	0.0
22	G75B_050_050a	0.0	0.25	0.5	0.5	0.5	0.25	0.25	0.0	0.25	0.5	0.0	0.0	0.0	0.0
23	G80B_062_062a	0.0	0.25	0.625	0.625	0.625	0.312	0.312	0.0	0.25	0.625	0.0	0.0	0.0	0.0
24	G84B_075_075a	0.0	0.25	0.75	0.75	0.75	0.375	0.375	0.0	0.25	0.75	0.0	0.0	0.0	0.0
25	G86B_087_087a	0.0	0.25	0.875	0.875	0.875	0.437	0.437	0.0	0.25	0.875	0.0	0.0	0.0	0.0
26	G88B_100_100a	0.0	0.25	1.0	1.0	1.0	0.5	0.5	0.0	0.25	1.0	0.0	0.0	0.0	0.0
27	G00B_037_037a	0.0	0.375	0.0	0.375	0.375	0.187	0.187	0.0	0.375	0.0	0.0	0.0	0.0	0.0
28	G15B_037_037a	0.0	0.375	0.125	0.375	0.375	0.187	0.187	0.0	0.375	0.125	0.0	0.0	0.0	0.0
29	G34B_037_037a	0.0	0.375	0.25	0.375	0.375	0.187	0.187	0.0	0.375	0.25	0.0	0.0	0.0	0.0
30	G50B_037_037a	0.0	0.375	0.375	0.375	0.375	0.187	0.187	0.0	0.375	0.375	0.0	0.0	0.0	0.0
31	G61B_050_050a	0.0	0.375	0.5	0.5	0.5	0.25	0.25	0.0	0.375	0.5	0.0	0.0	0.0	0.0
32	G69B_062_062a	0.0	0.375	0.625	0.625	0.625	0.312	0.312	0.0	0.375	0.625	0.0	0.0	0.0	0.0
33	G75B_075_075a	0.0	0.375	0.75	0.75	0.75	0.375	0.375	0.0	0.375	0.75	0.0	0.0	0.0	0.0
34	G79B_087_087a	0.0	0.375	0.875	0.875	0.875	0.437	0.437	0.0	0.375	0.875	0.0	0.0	0.0	0.0
35	G81B_100_100a	0.0	0.375	1.0	1.0	1.0	0.5	0.5	0.0	0.375	1.0	0.0	0.0	0.0	0.0
36	G00B_050_050a	0.0	0.5	0.0	0.5	0.5	0.25	0.25	0.0	0.5	0.0	0.0	0.0	0.0	0.0
37	G11B_050_050a	0.0	0.5	0.125	0.5	0.5	0.25	0.25	0.0	0.5	0.125	0.0	0.0	0.0	0.0
38	G25B_050_050a	0.0	0.5	0.25	0.5	0.5	0.25	0.25	0.0	0.5	0.25	0.0	0.0	0.0	0.0
39	G38B_050_050a	0.0	0.5	0.375	0.5	0.5	0.25	0.25	0.0	0.5	0.375	0.0	0.0	0.0	0.0
40	G50B_050_050a	0.0	0.5	0.5	0.5	0.5	0.25	0.25	0.0	0.5	0.5	0.0	0.0	0.0	0.0
41	G59B_062_062a	0.0	0.5	0.625	0.625	0.625	0.312	0.312	0.0	0.5	0.625	0.0	0.0	0.0	0.0
42	G65B_075_075a	0.0	0.5	0.75	0.75	0.75	0.375	0.375	0.0	0.5	0.75	0.0	0.0	0.0	0.0
43	G70B_087_087a	0.0	0.5	0.875	0.875	0.875	0.437	0.437	0.0	0.5	0.875	0.0	0.0	0.0	0.0
44	G75B_100_100a	0.0	0.5	1.0	1.0	1.0	0.5	0.5	0.0	0.5	1.0	0.0	0.0	0.0	0.0
45	G00B_062_062a	0.0	0.625	0.0	0.625	0.625	0.312	0.312	0.0	0.625	0.0	0.0	0.0	0.0	0.0
46	G09B_062_062a	0.0	0.625	0.125	0.625	0.625	0.312	0.312	0.0	0.625	0.125	0.0	0.0	0.0	0.0
47	G19B_062_062a	0.0	0.625	0.25	0.625	0.625	0.312	0.312	0.0	0.625	0.25	0.0	0.0	0.0	0.0
48	G30B_062_062a	0.0	0.625	0.375	0.625	0.625	0.312	0.312	0.0	0.625	0.375	0.0	0.0	0.0	0.0
49	G40B_062_062a	0.0	0.625	0.5	0.625	0.625	0.312	0.312	0.0	0.625	0.5	0.0	0.0	0.0	0.0
50	G50B_062_062a	0.0	0.625	0.625	0.625	0.625	0.312	0.312	0.0	0.625	0.625	0.0	0.0	0.0	0.0
51	G57B_075_075a	0.0	0.625	0.75	0.75	0.75	0.375	0.375	0.0	0.625	0.75	0.0	0.0	0.0	0.0
52	G63B_087_087a	0.0	0.625	0.875	0.875	0.875	0.437	0.437	0.0	0.625	0.875	0.0	0.0	0.0	0.0
53	G68B_100_100a	0.0	0.625	1.0	1.0	1.0	0.5	0.5	0.0	0.625	1.0	0.0	0.0	0.0	0.0
54	G00B_075_075a	0.0	0.75	0.0	0.75	0.75	0.375	0.375	0.0	0.75	0.0	0.0	0.0	0.0	0.0
55	G07B_075_075a	0.0	0.75	0.125	0.75	0.75	0.375	0.375	0.0	0.75	0.125	0.0	0.0	0.0	0.0
56	G15B_075_075a	0.0	0.75	0.25	0.75	0.75	0.375	0.375	0.0	0.75	0.25	0.0	0.0	0.0	0.0
57	G25B_075_075a	0.0	0.75	0.375	0.75	0.75	0.375	0.375	0.0	0.75	0.375	0.0	0.0	0.0	0.0
58	G34B_075_075a	0.0	0.75	0.5	0.75	0.75	0.375	0.375	0.0	0.75	0.5	0.0	0.0	0.0	0.0
59	G42B_075_075a	0.0	0.75	0.625	0.75	0.75	0.375	0.375	0.0	0.75	0.625	0.0	0.0	0.0	0.0
60	G50B_075_075a	0.0	0.75	0.75	0.75	0.75	0.375	0.375	0.0	0.75	0.75	0.0	0.0	0.0	0.0
61	G56B_087_087a	0.0	0.75	0.875	0.875	0.875	0.437	0.437	0.0	0.75	0.875	0.0	0.0	0.0	0.0
62	G61B_100_100a	0.0	0.75	1.0	1.0	1.0	0.5	0.5	0.0	0.75	1.0	0.0	0.0	0.0	0.0
63	G00B_087_087a	0.0	0.875	0.0	0.875	0.875	0.437	0.437	0.0	0.875	0.0	0.0	0.0	0.0	0.0
64	G06B_087_087a	0.0	0.875	0.125	0.875	0.875	0.437	0.437	0.0	0.875	0.125	0.0	0.0	0.0	0.0
65	G13B_087_087a	0.0	0.875	0.25	0.875	0.875	0.437	0.437	0.0	0.875	0.25	0.0	0.0	0.0	0.0
66	G20B_087_087a	0.0	0.875	0.375	0.875	0.875	0.437	0.437	0.0	0.875	0.375	0.0	0.0	0.0	0.0
67	G29B_087_087a	0.0	0.875	0.5	0.875	0.875	0.437	0.437	0.0	0.875	0.5	0.0	0.0	0.0	0.0
68	G36B_087_087a	0.0	0.875	0.625	0.875	0.875	0.437	0.437	0.0	0.875	0.625	0.0	0.0	0.0	0.0
69	G43B_087_087a	0.0	0.875	0.75	0.875	0.875	0.437	0.437	0.0	0.875	0.75	0.0	0.0	0.0	0.0
70	G50B_087_087a	0.0	0.875	0.875	0.875	0.875	0.437	0.437	0.0	0.875	0.875	0.0	0.0	0.0	0.0
71	G55B_100_100a	0.0	0.875	1.0	1.0	1.0	0.5	0.5	0.0	0.875	1.0	0.0	0.0	0.0	0.0
72	G00B_100_100a	0.0	1.0	0.0	1.0	1.0	0.5	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0
73	G05B_100_100a	0.0	1.0	0.125	1.0	1.0	0.5	0.5	0.0	1.0	0.125	0.0	0.0	0.0	0.0
74	G11B_100_100a	0.0	1.0	0.25	1.0	1.0	0.5	0.5	0.0	1.0	0.25	0.0	0.0	0.0	0.0
75	G18B_100_100a	0.0	1.0	0.375	1.0	1.0	0.5	0.5	0.0	1.0	0.375	0.0	0.0	0.0	0.0
76	G25B_100_100a	0.0	1.0	0.5	1.0	1.0	0.5	0.5	0.0	1.0	0.5	0.0	0.0	0.0	0.0
77	G31B_100_100a	0.0	1.0	0.625	1.0	1.0	0.5	0.5	0.0	1.0	0.625	0.0	0.0	0.0	0.0
78	G38B_100_100a	0.0	1.0	0.75	1.0	1.0	0.5	0.5	0.0	1.0	0.75	0.0	0.0	0.0	0.0
79	G44B_100_100a	0.0	1.0	0.875	1.0	1.0	0.5	0.5	0.0	1.0					

<http://130.149.60.45/~farbmetrik/SE04/SE04L0NP.PDF> /PS; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/33

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n	HIC*Fd	rgb_Fd	ict_Fd	hsi_Fd	rgb*Fd	LabCh*Fd	rgb**Fd	LabCh**Fd	DE**Fd	hsiMd	rgb**Md	LabCh**Md				
648	R00Y_100_100a	1.0	0.0	0.0	1.0	0.5	390	1.0	0.0	0.0	47.5	65.5	38.4	76.0	30.4	
649	R38Y_100_100a	1.0	0.0	0.125	1.0	0.5	383	1.0	0.0	0.116	47.6	66.2	32.3	73.7	26.0	
650	R26Y_100_100a	1.0	0.0	0.25	1.0	0.5	376	1.0	0.0	0.233	47.8	66.9	26.3	71.9	21.4	
651	R13Y_100_100a	1.0	0.0	0.375	1.0	0.5	368	1.0	0.0	0.366	47.8	68.1	18.7	70.7	15.4	
652	R00Y_100_100a	1.0	0.0	0.5	1.0	0.5	360	1.0	0.0	0.5	47.8	69.7	11.3	70.6	9.2	
653	B68R_100_100a	1.0	0.0	0.625	1.0	0.5	352	1.0	0.0	0.633	48.0	70.8	4.5	71.0	3.7	
654	B61R_100_100a	1.0	0.0	0.75	1.0	0.5	344	1.0	0.0	0.766	48.1	72.2	-1.3	72.2	358.9	
655	B55R_100_100a	1.0	0.0	0.875	1.0	0.5	337	1.0	0.0	0.883	48.2	73.2	-5.1	73.4	355.9	
656	B50R_100_100a	1.0	0.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	74.2	-8.7	74.7	353.2	
657	R11Y_100_100a	1.0	0.125	0.0	1.0	0.5	37	1.0	0.116	0.0	51.2	57.2	42.8	71.5	36.8	
658	R00Y_100_087a	1.0	0.125	0.125	1.0	0.875	562	390	1.0	0.125	0.125	53.6	57.3	33.6	66.5	30.4
659	R36Y_100_087a	1.0	0.125	0.25	1.0	0.875	562	382	1.0	0.125	0.241	53.7	58.0	27.5	64.2	25.4
660	R23Y_100_087a	1.0	0.125	0.375	1.0	0.875	562	374	1.0	0.125	0.358	53.9	58.8	21.4	62.6	20.0
661	R08Y_100_087a	1.0	0.125	0.5	1.0	0.875	562	365	1.0	0.125	0.489	53.9	60.2	14.0	61.8	13.1
662	B70R_100_087a	1.0	0.125	0.625	1.0	0.875	562	355	1.0	0.125	0.635	54.0	61.6	6.2	61.9	5.7
663	B63R_100_087a	1.0	0.125	0.75	1.0	0.875	562	346	1.0	0.125	0.766	54.1	62.9	0.0	62.9	359.9
664	B56R_100_087a	1.0	0.125	0.875	1.0	0.875	562	338	1.0	0.125	0.883	54.2	63.9	-4.0	64.0	356.3
665	B50R_100_087a	1.0	0.125	1.0	1.0	0.875	562	330	1.0	0.125	1.0	54.2	64.9	-7.6	65.3	353.2
666	R23Y_100_100a	1.0	0.25	0.0	1.0	0.5	44	1.0	0.233	0.0	55.9	47.3	48.7	67.9	45.8	
667	R13Y_100_087a	1.0	0.25	0.125	1.0	0.875	562	38	1.0	0.241	0.125	57.4	48.9	38.1	62.1	37.9
668	R00Y_100_075a	1.0	0.25	0.25	1.0	0.75	625	390	1.0	0.25	0.25	59.7	49.1	28.8	57.0	30.4
669	R35Y_100_075a	1.0	0.25	0.375	1.0	0.75	625	381	1.0	0.25	0.362	59.8	49.8	22.9	54.9	24.7
670	R18Y_100_075a	1.0	0.25	0.5	1.0	0.75	625	371	1.0	0.25	0.487	59.9	50.8	16.2	53.3	17.7
671	R00Y_100_075a	1.0	0.25	0.625	1.0	0.75	625	360	1.0	0.25	0.625	59.9	52.2	8.5	52.9	9.2
672	B65R_100_075a	1.0	0.25	0.75	1.0	0.75	625	349	1.0	0.25	0.762	60.1	53.5	1.7	53.6	1.8
673	B57R_100_075a	1.0	0.25	0.875	1.0	0.75	625	339	1.0	0.25	0.887	60.2	54.7	-3.0	54.8	356.7
674	B50R_100_075a	1.0	0.25	1.0	1.0	0.75	625	330	1.0	0.25	1.0	60.2	55.6	-6.5	56.0	353.2
675	R36Y_100_100a	1.0	0.375	0.0	1.0	0.5	52	1.0	0.366	0.0	62.0	35.2	56.0	66.2	57.8	
676	R26Y_100_087a	1.0	0.375	0.125	1.0	0.875	562	46	1.0	0.358	0.125	62.2	38.8	44.2	58.8	48.7
677	R15Y_100_075a	1.0	0.375	0.25	1.0	0.75	625	39	1.0	0.362	0.25	63.5	40.9	33.4	52.8	39.2
678	R00Y_100_062a	1.0	0.375	0.375	1.0	0.625	687	390	1.0	0.375	0.375	63.8	40.9	24.0	47.5	30.4
679	R31Y_100_062a	1.0	0.375	0.5	1.0	0.625	687	379	1.0	0.375	0.489	65.9	41.6	18.0	45.4	23.4
680	R11Y_100_062a	1.0	0.375	0.625	1.0	0.625	687	367	1.0	0.375	0.614	66.0	42.7	11.1	44.1	14.6
681	B69R_100_062a	1.0	0.375	0.75	1.0	0.625	687	353	1.0	0.375	0.76	66.1	44.1	3.3	44.3	4.3
682	B59R_100_062a	1.0	0.375	0.875	1.0	0.625	687	341	1.0	0.375	0.885	66.2	45.4	-1.8	45.4	357.6
683	B50R_100_062a	1.0	0.375	1.0	1.0	0.625	687	330	1.0	0.375	1.0	66.2	46.3	-5.4	46.7	353.2
684	R50Y_100_100a	1.0	0.5	0.0	1.0	0.5	60	1.0	0.5	0.0	68.1	24.0	63.0	67.4	69.1	
685	R41Y_100_087a	1.0	0.5	0.125	1.0	0.875	562	55	1.0	0.489	0.125	68.3	27.2	51.4	58.2	62.1
686	R31Y_100_075a	1.0	0.5	0.25	1.0	0.75	625	49	1.0	0.487	0.25	68.8	29.9	40.1	50.0	53.2
687	R18Y_100_062a	1.0	0.5	0.375	1.0	0.625	687	41	1.0	0.489	0.375	69.8	32.3	28.9	43.4	41.9
688	R00Y_100_050a	1.0	0.5	0.5	1.0	0.5	75	390	1.0	0.5	0.5	71.9	32.7	19.2	38.0	30.4
689	R26Y_100_050a	1.0	0.5	0.625	1.0	0.5	75	376	1.0	0.5	0.616	72.0	33.4	13.1	35.9	21.4
690	R00Y_100_050a	1.0	0.5	0.75	1.0	0.5	75	360	1.0	0.5	0.75	72.1	34.8	5.6	35.3	9.2
691	B61R_100_050a	1.0	0.5	0.875	1.0	0.5	75	344	1.0	0.5	0.883	72.2	36.1	-0.6	36.1	358.9
692	B50R_100_050a	1.0	0.5	1.0	1.0	0.5	75	330	1.0	0.5	1.0	72.3	37.1	-4.3	37.3	353.2
693	R63Y_100_100a	1.0	0.625	0.0	1.0	0.5	68	1.0	0.633	0.0	75.3	11.6	72.0	72.9	80.8	
694	R58Y_100_087a	1.0	0.625	0.125	1.0	0.875	562	65	1.0	0.635	0.125	75.6	14.3	60.3	62.0	76.5
695	R50Y_100_075a	1.0	0.625	0.25	1.0	0.75	625	60	1.0	0.625	0.25	75.1	18.0	47.2	50.5	69.1
696	R38Y_100_062a	1.0	0.625	0.375	1.0	0.625	687	53	1.0	0.614	0.375	75.3	21.1	35.5	41.3	59.3
697	R23Y_100_050a	1.0	0.625	0.5	1.0	0.5	75	44	1.0	0.616	0.5	76.1	23.6	24.3	33.9	45.8
698	R00Y_100_037a	1.0	0.625	0.625	1.0	0.375	812	390	1.0	0.625	0.625	78.0	24.5	14.4	28.5	30.4
699	R18Y_100_037a	1.0	0.625	0.75	1.0	0.375	812	371	1.0	0.625	0.743	78.1	25.4	8.1	26.6	17.7
700	B65R_100_037a	1.0	0.625	0.875	1.0	0.375	812	349	1.0	0.625	0.881	78.2	26.7	0.8	26.8	1.8
701	B50R_100_037a	1.0	0.625	1.0	1.0	0.375	812	330	1.0	0.625	1.0	78.3	27.8	-3.2	28.0	353.2
702	R76Y_100_100a	1.0	0.75	0.0	1.0	0.5	76	1.0	0.766	0.0	81.2	2.5	78.8	78.9	88.1	
703	R73Y_100_087a	1.0	0.75	0.125	1.0	0.875	562	71	1.0	0.766	0.125	81.8	4.1	67.5	67.7	86.5
704	R68Y_100_075a	1.0	0.75	0.25	1.0	0.75	625	71	1.0	0.762	0.25	82.2	6.2	56.0	56.3	83.6
705	R61Y_100_062a	1.0	0.75	0.375	1.0	0.625	687	67	1.0	0.76	0.375	82.7	8.1	44.4	45.1	79.5
706	R50Y_100_050a	1.0	0.75	0.5	1.0	0.5	75	60	1.0	0.75	0.5	82.2	12.0	31.5	33.7	69.1
707	R31Y_100_037a	1.0	0.75	0.625	1.0	0.375	812	49	1.0	0.743	0.625	82.6	14.9	20.0	25.0	53.2
708	R00Y_100_025a	1.0	0.75	0.75	1.0	0.25	875	390	1.0	0.75	0.75	84.1	16.3	9.6	19.0	30.4
709	R00Y_100_025a	1.0	0.75	0.875	1.0	0.25	875	360	1.0	0.75	0.875	84.2	17.4	2.8	17.6	9.2
710	B50R_100_025a	1.0	0.75	1.0	1.0	0.25	875	330	1.0	0.75	1.0	84.3	18.5	-2.1	18.6	353.2
711	R88Y_100_100a	1.0	0.875	0.0	1.0	0.5	83	1.0	0.883	0.0	85.6	-4.1	84.3	84.4	92.8	
712	R86Y_100_087a	1.0	0.875	0.125	1.0	0.875	562	82	1.0	0.883	0.125	86.5	-2.8	73.1	73.2	92.2
713	R85Y_100_075a	1.0	0.875	0.25	1.0	0.75	625	81	1.0	0.887	0.25	87.4	-1.6	62.1	62.1	91.5
714	R81Y_100_062a	1.0	0.875	0.375	1.0	0.625	687	79	1.0	0.885	0.375	88.1	-0.1	50.8	50.8	90.1
715	R76Y_100_050a	1.0	0.875	0.5	1.0	0.5	75	76	1.0	0.883	0.5	88.7	1.2	39.4	39.4	88.1
716	R68Y_100_037a	1.0	0.875	0.625	1.0	0.375	812	71	1.0	0.881	0.625	89.3	3.1	28.0	28.1	83.6
717	R50Y_100_025a	1.0	0.875	0.75	1.0	0.25	875	60	1.0	0.875	0.75	89.3	6.0	15.7	16.8	69.1
718	R00Y_100_012a	1.0	0.875	0.875	1.0	0.125	937	390	1.0	0.875	0.875	90.2	8.1	4.8	9.5	30.4
719	B50R_100_012a	1.0	0.875	1.0	1.0	0.125	937	330	1.0	0.875	1.0	90.3	9.2	-1.0	9.3	353.2
720	Y00G_100_100a	1.0	1.0	0.0	1.0	0.5	90	1.0	1.0	0.0	89.4	-9.5	89.0	89.6	96.0	
721	Y00G_100_087a	1.0	1.0	0.125	1.0	0.875	562	90	1.0	1.0	0.125	90.1	-9.0	74.8	75.3	96.0
722	Y00G_100_075a	1.0	1.0	0.25	1.0	0.75	625	90	1.0	1.0	0.25	91.1	-7.1	66.8	67.2	

http://130.149.60.45/~farbmetrik/SE04/SE04L0NP.PDF /.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/SE04/SE04.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

n	HIC*Fd	rgb_Fd		ict_Fd		hsi_Fd		rgb**Fd		LabCh**Fd				rgb**Fd		LabCh**Fd		DE**Fd		hsiM,d	rgb**Md		LabCh**Md											
1053	NW_086d	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_093d	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_100d	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_000d	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_006d	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_013d	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_020d	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_026d	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_033d	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_040d	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_046d	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_053d	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_060d	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_066d	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	262.4	8.6	360	1.0	1.0	1.0	96.3	0.0	0.0	0.0	0.0
1067	NW_073d	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_080d	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_086d	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_093d	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_100d	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_000d	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_100d	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_100d	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.5	65.5	38.4	76.0	30.4	1.0	0.0	0.0	45.6	67.7	39.1	78.2	30.0	2.8	389	1.0	0.0	0.0	47.5	65.5	38.4	76.0	30.4
1075	G50B_100_100d	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	57.8	-31.9	-45.1	55.3	234.6	0.0	1.0	1.0	56.4	-31.6	-46.1	55.9	235.5	1.7	210	0.0	1.0	1.0	57.8	-31.9	-45.1	55.3	234.6
1076	Y00G_100_100d	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	89.4	-9.5	89.0	89.6	96.0	1.0	1.0	0.0	87.9	-7.9	89.2	89.6	95.0	2.1	89	1.0	1.0	0.0	89.4	-9.5	89.0	89.6	96.0
1077	B00R_100_100d	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	24.9	22.9	-47.8	53.0	295.6	0.0	0.0	1.0	23.1	24.3	-46.5	52.5	297.6	2.6	270	0.0	1.0	1.0	24.9	22.9	-47.8	53.0	295.6
1078	G00B_100_100d	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.6	-69.3	23.0	73.1	161.6	0.0	1.0	0.0	48.7	-69.8	21.6	73.1	162.7	3.2	149	0.0	1.0	0.0	51.6	-69.3	23.0	73.1	161.6
1079	B50R_100_100d	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	74.2	-8.7	74.7	353.2	1.0	0.0	1.0	45.8	75.8	-5.0	76.0	356.2	4.7	330	1.0	0.0	1.0	48.2	74.2	-8.7	74.7	353.2

Mean color difference of this page:

delta E* = 4.9

TUB registration: 20130201-SE04/SE04L0NP.PDF /.PS
application for measurement of offset print output, separationcmykn6 (CMYK)
TUB material: code=rha4ta

1-0033230-F0

SE040-7N, Page 33/33-F

TUB-test chart SE04; 16 hues, offset standard paper APCO
colors and differences, ΔE^* , 3D=0, de=0, cmykinput: $rgb/cmyk \rightarrow rgb_d$
output: transfer to $cmyk_d$

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