

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s : $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours d : $h_{ab,d} = 31.3, 96.3, 152.3, 234.1, 299.3, 353.1$; Six hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$Y=J_d$ Yellow

$LCH^*_d = 90.4 \ 88.7 \ 96.3$

$LAB^*_d = 90.4 \ -9.7 \ 88.1$

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

$L=G_d$ Leaf green

$LCH^*_d = 56.0 \ 73.4 \ 152.2$

$LAB^*_d = 56.0 \ -65.0 \ 34.1$

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

$C=C_d$ Cyan blue

$LCH^*_d = 62.9 \ 51.9 \ 234.1$

$LAB^*_d = 62.9 \ -30.4 \ -42.1$

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

$O=R_d$ Orange red

$LCH^*_d = 48.4 \ 77.5 \ 31.3$

$LAB^*_d = 48.4 \ 66.2 \ 40.3$

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

$M=M_d$ Magenta red

$LCH^*_d = 49.4 \ 74.2 \ 353.1$

$LAB^*_d = 49.4 \ 73.7 \ -8.9$

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

$V=B_d$ Violet blue (very different to elementary Blue)

$LCH^*_d = 27.3 \ 53.5 \ 299.3$

$LAB^*_d = 27.3 \ 26.2 \ -46.7$

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

J_e Yellow

$LCH^*_e = 85.8 \ 82.9 \ 92.0$

$LAB^*_e = 85.8 \ -2.8 \ 82.9$

$rgb^*_e = 1.0 \ 0.889 \ 0.0$

G_e Green

$LCH^*_e = 57.0 \ 64.7 \ 162.0$

$LAB^*_e = 57.0 \ -61.5 \ 20.0$

$rgb^*_e = 0.0 \ 1.0 \ 0.168$

C_e Blue green

$LCH^*_e = 61.3 \ 49.0 \ 217.0$

$LAB^*_e = 61.3 \ -39.1 \ -29.5$

$rgb^*_e = 0.0 \ 1.0 \ 0.794$

B_e Blue

$LCH^*_e = 41.1 \ 45.0 \ 272.0$

$LAB^*_e = 41.1 \ 1.5 \ -45.0$

$rgb^*_e = 0.0 \ 0.387 \ 1.0$

R_e Red

$LCH^*_e = 48.7 \ 73.8 \ 25.0$

$LAB^*_e = 48.7 \ 66.9 \ 31.2$

$rgb^*_e = 1.0 \ 0.0 \ 0.172$

M_e Blue red

$LCH^*_e = 37.4 \ 58.8 \ 329.0$

$LAB^*_e = 37.4 \ 50.4 \ -30.3$

$rgb^*_e = 0.463 \ 0.0 \ 1.0$

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

$LCH^*_s = 83.9 \ 80.8 \ 90.0$

$LAB^*_s = 83.9 \ 0.0 \ 80.8$

$rgb^*_s = 1.0 \ 0.843 \ 0.0$

G_s Green

$LCH^*_s = 57.1 \ 72.0 \ 150.0$

$LAB^*_s = 57.1 \ -62.3 \ 36.0$

$rgb^*_s = 0.039 \ 1.0 \ 0.0$

R_s Red

$LCH^*_s = 48.5 \ 76.6 \ 30.0$

$LAB^*_s = 48.5 \ 66.4 \ 38.3$

$rgb^*_s = 1.0 \ 0.0 \ 0.037$

M_s Blue red

$LCH^*_s = 37.7 \ 59.1 \ 330.0$

$LAB^*_s = 37.7 \ 51.2 \ -29.5$

$rgb^*_s = 0.477 \ 0.0 \ 1.0$

C_s Blue green

$LCH^*_s = 60.7 \ 48.8 \ 210.0$

$LAB^*_s = 60.7 \ -42.3 \ -24.4$

$rgb^*_s = 0.0 \ 1.0 \ 0.713$

B_s Blue

$LCH^*_s = 42.0 \ 45.0 \ 270.0$

$LAB^*_s = 42.0 \ 0.0 \ -45.0$

$rgb^*_s = 0.0 \ 0.411 \ 1.0$

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

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

2. For the calculation of the standard hue angle $h_{ab,s}$ use for any device values rgb^*_d 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 3.

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

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Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

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$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd50M}			$LAB^*_{dd50Mx} (x=LabCh)$			rgb^*_{ds50M}			$LAB^*_{ds50Mx} (x=LabCh)$			rgb^*_{s50M}			rgb^*_{de50M}			$LAB^*_{de50Mx} (x=LabCh)$			rgb^*_{e50M}			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}												
31.3	30.0	25.5	1.0	0.0	0.0	48.4	66.3	40.3	77.6	31.3	1.0	0.0	0.037	48.5	66.4	38.3	76.7	30	1.0	0.0	0.0	1.0	0.0	0.172	48.8	66.9	31.2	73.8	25	1.0	0.0	0.0									
39.0	37.5	33.8	1.0	0.125	0.0	52.8	56.8	46.0	73.1	39.0	1.0	0.109	0.0	52.2	58.0	45.3	73.6	38	1.0	0.125	0.0	1.0	0.044	0.0	50.0	63.0	42.5	76.0	34	1.0	0.125	0.0									
47.9	45.0	42.2	1.0	0.25	0.0	57.6	46.6	51.6	69.5	47.9	1.0	0.209	0.0	56.0	50.0	50.0	70.7	45	1.0	0.25	0.0	1.0	0.167	0.0	54.4	53.4	48.1	71.9	42	1.0	0.25	0.0									
58.0	52.5	50.5	1.0	0.375	0.0	63.0	35.8	57.5	67.7	58.0	1.0	0.313	0.0	60.3	41.3	54.8	68.6	53	1.0	0.375	0.0	1.0	0.288	0.0	59.3	43.4	53.6	69.0	51	1.0	0.375	0.0									
68.8	60.0	58.9	1.0	0.5	0.0	68.8	24.8	64.0	68.6	68.8	1.0	0.398	0.0	64.0	33.9	58.8	67.9	60	1.0	0.5	0.0	1.0	0.386	0.0	63.5	34.9	58.1	67.8	59	1.0	0.5	0.0									
78.2	67.5	67.2	1.0	0.625	0.0	74.6	14.7	70.6	72.1	78.2	1.0	0.491	0.0	68.4	25.7	63.6	68.6	68	1.0	0.625	0.0	1.0	0.479	0.0	67.9	26.8	63.0	68.5	67	1.0	0.625	0.0									
85.8	75.0	75.6	1.0	0.75	0.0	80.2	5.7	76.5	76.7	85.8	1.0	0.582	0.0	72.6	18.4	68.5	70.9	75	1.0	0.75	0.0	1.0	0.595	0.0	73.3	17.2	69.2	71.3	76	1.0	0.75	0.0									
91.5	82.5	84.0	1.0	0.875	0.0	85.2	-2.0	82.2	82.2	91.5	1.0	0.704	0.0	78.2	9.1	74.4	75.0	83	1.0	0.875	0.0	1.0	0.721	0.0	78.9	7.9	75.2	75.6	84	1.0	0.875	0.0									
96.3	90.0	92.3	1.0	1.0	0.0	90.4	-9.7	88.2	88.7	96.3	1.0	0.843	0.0	84.0	0.0	80.8	80.8	90	1.0	1.0	0.0	1.0	0.889	0.0	85.8	-2.8	82.9	83.0	92	1.0	1.0	0.0									
100.0	97.5	101.1	0.875	1.0	0.0	86.5	-14.6	83.2	84.4	100.0	0.943	1.0	0.0	88.7	-12.0	85.9	86.8	98	0.875	1.0	0.0	0.84	1.0	0.0	85.5	-15.8	81.9	83.5	101	0.875	1.0	0.0									
103.6	105.0	109.8	0.75	1.0	0.0	82.8	-18.9	78.7	80.9	103.6	0.724	1.0	0.0	81.8	-20.5	76.7	79.4	105	0.75	1.0	0.0	0.629	1.0	0.0	78.1	-25.3	69.7	74.1	110	0.75	1.0	0.0									
110.2	112.5	118.5	0.625	1.0	0.0	77.9	-25.4	69.3	73.9	110.2	0.572	1.0	0.0	76.1	-28.2	66.7	72.4	113	0.625	1.0	0.0	0.463	1.0	0.0	72.1	-33.8	61.2	69.9	119	0.625	1.0	0.0									
116.8	120.0	127.3	0.5	1.0	0.0	73.5	-31.7	62.8	70.4	116.8	0.446	1.0	0.0	71.5	-34.8	60.4	69.7	120	0.5	1.0	0.0	0.348	1.0	0.0	67.6	-41.0	54.5	68.2	127	0.5	1.0	0.0									
124.1	127.5	136.0	0.375	1.0	0.0	68.9	-38.6	57.0	68.9	124.1	0.339	1.0	0.0	67.1	-41.8	53.6	68.0	128	0.375	1.0	0.0	0.263	1.0	0.0	63.5	-47.5	46.0	66.2	136	0.375	1.0	0.0									
137.4	135.0	144.7	0.25	1.0	0.0	62.9	-48.4	44.6	65.9	137.4	0.273	1.0	0.0	63.9	-46.9	47.0	66.4	135	0.25	1.0	0.0	0.126	1.0	0.0	59.6	-56.3	39.5	68.8	145	0.25	1.0	0.0									
145.0	142.5	153.5	0.125	1.0	0.0	59.6	-56.3	39.4	68.8	145.0	0.159	1.0	0.0	60.5	-54.3	41.0	68.1	143	0.125	1.0	0.0	0.0	1.0	0.014	56.1	-64.7	33.0	72.8	153	0.125	1.0	0.0									
152.3	150.0	162.2	0.0	1.0	0.0	56.0	-64.9	34.2	73.5	152.3	0.039	1.0	0.0	57.1	-62.3	36.0	72.0	150	0.0	1.0	0.0	0.0	1.0	0.168	57.1	-61.5	20.0	64.8	162	0.0	1.0	0.0									
159.1	157.5	169.1	0.0	1.0	0.125	56.8	-62.5	24.0	67.0	159.1	0.0	1.0	0.106	56.6	-63.0	25.5	68.0	158	0.0	1.0	0.125	0.0	1.0	0.265	57.8	-58.5	11.4	59.7	169	0.0	1.0	0.125									
167.6	165.0	175.9	0.0	1.0	0.25	57.6	-59.0	13.0	60.5	167.6	0.0	1.0	0.212	57.4	-60.2	16.2	62.5	165	0.0	1.0	0.25	0.0	1.0	0.34	58.4	-55.7	3.9	56.0	176	0.0	1.0	0.25									
179.3	172.5	182.8	0.0	1.0	0.375	58.7	-54.1	0.7	54.2	179.3	0.0	1.0	0.308	58.1	-57.1	7.0	57.6	173	0.0	1.0	0.375	0.0	1.0	0.419	59.0	-52.9	-2.7	53.1	183	0.0	1.0	0.375									
189.9	180.0	189.6	0.0	1.0	0.5	59.5	-50.0	-8.6	50.9	189.9	0.0	1.0	0.383	58.7	-53.9	0.0	54.0	180	0.0	1.0	0.5	0.0	1.0	0.501	59.5	-50.0	-8.7	50.9	190	0.0	1.0	0.5									
201.7	187.5	196.4	0.0	1.0	0.625	60.1	-45.5	-18.1	49.1	201.7	0.0	1.0	0.478	59.4	-50.9	-7.1	51.5	188	0.0	1.0	0.625	0.0	1.0	0.564	59.8	-47.9	-13.7	50.0	196	0.0	1.0	0.625									
213.5	195.0	203.3	0.0	1.0	0.75	61.0	-40.6	-26.8	48.8	213.5	0.0	1.0	0.554	59.8	-48.3	-12.9	50.1	195	0.0	1.0	0.75	0.0	1.0	0.639	60.2	-45.1	-19.1	49.1	203	0.0	1.0	0.75									
223.5	202.5	210.1	0.0	1.0	0.875	62.0	-35.9	-34.0	49.6	223.5	0.0	1.0	0.639	60.2	-45.1	-19.1	49.1	203	0.0	1.0	0.875	0.0	1.0	0.713	60.7	-42.2	-24.3	48.9	210	0.0	1.0	0.875									
234.1	210.0	217.0	0.0	1.0	1.0	62.9	-30.3	-42.0	52.0	234.1	0.0	1.0	0.713	60.7	-42.2	-24.3	48.9	210	0.0	1.0	1.0	0.0	1.0	0.794	61.4	-39.1	-29.4	49.1	217	0.0	1.0	1.0									
240.0	217.5	223.8	0.0	0.875	1.0	58.8	-24.6	-42.8	49.5	240.0	0.0	1.0	0.806	61.5	-38.6	-30.2	49.2	218	0.0	0.875	1.0	0.0	1.0	0.881	62.1	-35.7	-34.4	49.7	224	0.0	0.875	1.0									
245.9	225.0	230.7	0.0	0.75	1.0	55.1	-19.3	-43.1	47.4	245.9	0.0	1.0	0.893	62.2	-35.2	-35.2	49.9	225	0.0	0.75	1.0	0.0	1.0	0.963	62.7	-32.2	-39.7	51.3	231	0.0	0.75	1.0									
254.0	232.5	237.5	0.0	0.625	1.0	50.2	-12.5	-43.9	45.8	254.0	0.0	1.0	0.987	62.8	-31.0	-41.2	51.7	233	0.0	0.625	1.0	0.0	1.0	0.918	1.0	60.2	-26.6	-42.6	50.3	238	0.0	0.625	1.0								
262.7	240.0	244.4</																																							

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Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																									Six hue angles of the device colours d: $h_{ab,d} = 31.3, 96.3, 152.3, 234.1, 299.3, 353.1$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$			$LAB^*_{dd361Mix}(x=LabCh)$			R_d	$rgb^*_{ds361Mi}$			$LAB^*_{ds361Mix}(x=LabCh)$			rgb^*_{s50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*		

OE390-7N, Page of series 3/20, RX0, D65, XYZnw=3.3, 3.4, 3.6, 86.1, 91.1, 95.9, LAB*_{nw}=21.7, 0.3, 0.6, 96.4, -0.7, 2.2, not adapted

TUB-test chart OE39; 48 and 360 step hue circles, Page 3/20
Data of Offset print ORS42_18_96, separation cmyn6*, D65 and D50

Output: Offset print ORS42_18_96; separation cmyn6*, D65 and D50, page 3/20

input: rgb^*_d set $rgbcolor$
output: $cmyn6^*_d = f_6(rgb^*_d)$

TUB registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

See original or copy: <http://web.me.com/klaus.richter/OE39/OE39L0NP.PDF> / .PSS
Technical information: <http://www.ps-bam.de> or <http://130.149.60.45/~farbmertik>

TUB registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rh4ta

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours d: $h_{ab,d} = 31.3, 96.3, 152.3, 234.1, 299.3, 353.1$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Lengths of the six colors in Lab*a								Lengths of the six colors in Lab*b								Lengths of the six colors in Lab*c							
Lab,d	h _{ab,s}	h _{ab,e}	rgb* ds361Mi	LAB* de361Mix (x=LabCh)	rgb* ds361Mi	LAB* ds361Mix (x=LabCh)	rgb* s50M	rgb* ds361Mi	LAB* de361Mix (x=LabCh)	rgb* s50M	rgb* ds361Mi	LAB* de361Mix (x=LabCh)	rgb* e50M	rgb* da	rgb* ds	rgb* d							
76	75	76	1.0	0.595 0.0	73.3	17.2 69.2	71.3 76	1.0	0.582 0.0	72.6	18.4 68.5	70.9 75	1.0	0.75 0.0	1.0	0.595 0.0	73.3	17.2 69.2	71.3 76	1.0	0.75 0.0		
77	76	77	1.0	0.609 0.0	73.9	16.1 69.8	71.7 77	1.0	0.595 0.0	73.3	17.2 69.2	71.3 76	1.0	0.767 0.0	1.0	0.609 0.0	73.9	16.1 69.8	71.7 77	1.0	0.767 0.0		
78	77	78	1.0	0.622 0.0	74.5	15.0 70.5	72.0 78	1.0	0.609 0.0	73.9	16.1 69.8	71.7 77	1.0	0.783 0.0	1.0	0.622 0.0	74.5	15.0 70.5	72.0 78	1.0	0.783 0.0		
79	78	79	1.0	0.638 0.0	75.2	13.8 71.2	72.6 79	1.0	0.622 0.0	74.5	15.0 70.5	72.0 78	1.0	0.8 0.0	1.0	0.638 0.0	75.2	13.8 71.2	72.6 79	1.0	0.8 0.0		
80	79	80	1.0	0.654 0.0	75.9	12.7 72.1	73.2 80	1.0	0.638 0.0	75.2	13.8 71.2	72.6 79	1.0	0.817 0.0	1.0	0.654 0.0	75.9	12.7 72.1	73.2 80	1.0	0.817 0.0		
81	80	81	1.0	0.671 0.0	76.7	11.5 72.9	73.8 81	1.0	0.654 0.0	75.9	12.7 72.1	73.2 80	1.0	0.833 0.0	1.0	0.671 0.0	76.7	11.5 72.9	73.8 81	1.0	0.833 0.0		
82	81	82	1.0	0.687 0.0	77.4	10.4 73.7	74.4 82	1.0	0.671 0.0	76.7	11.5 72.9	73.8 81	1.0	0.85 0.0	1.0	0.687 0.0	77.4	10.4 73.7	74.4 82	1.0	0.85 0.0		
83	82	83	1.0	0.704 0.0	78.2	9.1 74.4	75.0 83	1.0	0.687 0.0	77.4	10.4 73.7	74.4 82	1.0	0.867 0.0	1.0	0.704 0.0	78.2	9.1 74.4	75.0 83	1.0	0.867 0.0		
84	83	85	1.0	0.721 0.0	78.9	7.9 75.2	75.6 84	1.0	0.704 0.0	78.2	9.1 74.4	75.0 83	1.0	0.883 0.0	1.0	0.737 0.0	79.6	6.6 75.9	76.2 85	1.0	0.883 0.0		
85	84	86	1.0	0.737 0.0	79.6	6.6 75.9	76.2 85	1.0	0.721 0.0	78.9	7.9 75.2	75.6 84	1.0	0.9 0.0	1.0	0.755 0.0	80.4	5.4 76.7	76.9 86	1.0	0.9 0.0		
86	85	87	1.0	0.755 0.0	80.4	5.4 76.7	76.9 86	1.0	0.737 0.0	79.6	6.6 75.9	76.2 85	1.0	0.917 0.0	1.0	0.777 0.0	81.3	4.1 77.8	77.9 87	1.0	0.917 0.0		
87	86	88	1.0	0.777 0.0	81.3	4.1 77.8	77.9 87	1.0	0.755 0.0	80.4	5.4 76.7	76.9 86	1.0	0.933 0.0	1.0	0.799 0.0	82.2	2.8 78.8	78.9 88	1.0	0.933 0.0		
88	87	89	1.0	0.799 0.0	82.2	2.8 78.8	78.9 88	1.0	0.777 0.0	81.3	4.1 77.8	77.9 87	1.0	0.95 0.0	1.0	0.821 0.0	83.1	1.4 79.8	79.8 89	1.0	0.95 0.0		
89	88	90	1.0	0.821 0.0	83.1	1.4 79.8	79.8 89	1.0	0.799 0.0	82.2	2.8 78.8	78.9 88	1.0	0.967 0.0	1.0	0.843 0.0	84.0	0.0 80.8	80.8 90	1.0	0.967 0.0		
90	89	91	1.0	0.843 0.0	84.0	0.0 80.8	80.8 90	1.0	0.821 0.0	83.1	1.4 79.8	79.8 89	1.0	0.983 0.0	1.0	0.865 0.0	84.8	-1.3 81.8	81.8 91	1.0	0.983 0.0		
91	90	92	1.0	0.865 0.0	84.8	-1.3 81.8	81.8 91	1.0	0.843 0.0	84.0	0.0 80.8	80.8 90	1.0	1.0 0.0J _s	1.0	0.889 0.0	85.8	-2.8 82.9	83.0 92	1.0			

See original or copy: <http://web.me.com/klaus.richter/OE39/OE39L0NP.PDF> / .PS
 Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmantik>

TUV registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rh4ta

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s : $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours d : $h_{ab,d} = 31.3, 96.3, 152.3, 234.1, 299.3, 353.1$; Six hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Table A1. The color indices of the red colors of the Lab color space										Table A2. The color indices of the green colors of the Lab color space										Table A3. The color indices of the blue colors of the Lab color space															
$\lambda_{ab,d}$	$\lambda_{ab,s}$	$\lambda_{ab,e}$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mix}$ (x=LabCh)	$rgb^*_{ds361Mi}$	$LAB^*_{de361Mix}$ (x=LabCh)	rgb^*_{ds50M}	$rgb^*_{de361Mi}$	$LAB^*_{de361Mix}$ (x=LabCh)	rgb^*_{e50M}	rgb^*_d	rgb^*_s	rgb^*_l	rgb^*_d	rgb^*_s	rgb^*_l	rgb^*_d	rgb^*_s	rgb^*_l																
121	120	127	0.429	1.0	0.0	70.8	-35.7	59.6	69.5	121	0.446	1.0	0.0	71.5	-34.8	60.4	69.7	120	0.5	1.0	0.0	0.348	1.0	0.0	67.6	-41.0	54.5	68.2	127	0.5	1.0	0.0			
122	121	128	0.412	1.0	0.0	70.2	-36.6	58.8	69.3	122	0.429	1.0	0.0	70.8	-35.7	59.6	69.5	121	0.483	1.0	0.0	0.339	1.0	0.0	67.1	-41.8	53.6	68.0	128	0.483	1.0	0.0			
123	122	130	0.394	1.0	0.0	69.6	-37.5	58.0	69.1	123	0.412	1.0	0.0	70.2	-36.6	58.8	69.3	122	0.467	1.0	0.0	0.32	1.0	0.0	66.2	-43.3	51.8	67.6	130	0.467	1.0	0.0			
124	123	131	0.377	1.0	0.0	68.9	-38.4	57.1	68.9	124	0.394	1.0	0.0	69.6	-37.5	58.0	69.1	123	0.45	1.0	0.0	0.31	1.0	0.0	65.8	-44.1	50.8	67.3	131	0.45	1.0	0.0			
125	124	132	0.367	1.0	0.0	68.5	-39.3	56.3	68.7	125	0.377	1.0	0.0	68.9	-38.4	57.1	68.9	124	0.433	1.0	0.0	0.301	1.0	0.0	65.3	-44.8	49.9	67.1	132	0.433	1.0	0.0			
126	125	133	0.357	1.0	0.0	68.0	-40.1	55.4	68.5	126	0.367	1.0	0.0	68.5	-39.3	56.3	68.7	125	0.417	1.0	0.0	0.292	1.0	0.0	64.9	-45.5	48.9	66.9	133	0.417	1.0	0.0			
127	126	134	0.348	1.0	0.0	67.6	-41.0	54.5	68.2	127	0.357	1.0	0.0	68.0	-40.1	55.4	68.5	126	0.4	1.0	0.0	0.282	1.0	0.0	64.4	-46.2	48.0	66.7	134	0.4	1.0	0.0			
128	127	135	0.339	1.0	0.0	67.1	-41.8	53.6	68.0	128	0.348	1.0	0.0	67.6	-41.0	54.5	68.2	127	0.383	1.0	0.0	0.273	1.0	0.0	63.9	-46.9	47.0	66.4	135	0.383	1.0	0.0			
129	128	137	0.329	1.0	0.0	66.7	-42.6	52.7	67.8	129	0.339	1.0	0.0	67.1	-41.8	53.6	68.0	128	0.367	1.0	0.0	0.254	1.0	0.0	63.0	-48.2	45.0	66.0	137	0.367	1.0	0.0			
130	129	138	0.32	1.0	0.0	66.2	-43.3	51.8	67.6	130	0.329	1.0	0.0	66.7	-42.6	52.7	67.8	129	0.35	1.0	0.0	0.24	1.0	0.0	62.6	-49.0	44.2	66.1	138	0.35	1.0	0.0			
131	130	139	0.31	1.0	0.0	65.8	-44.1	50.8	67.3	131	0.32	1.0	0.0	66.2	-43.3	51.8	67.6	130	0.333	1.0	0.0	0.224	1.0	0.0	62.2	-50.1	43.6	66.5	139	0.333	1.0	0.0			
132	131	140	0.301	1.0	0.0	65.3	-44.8	49.9	67.1	132	0.31	1.0	0.0	65.8	-44.1	50.8	67.3	131	0.317	1.0	0.0	0.208	1.0	0.0	61.7	-51.1	43.0	66.9	140	0.317	1.0	0.0			
133	132	141	0.292	1.0	0.0	64.9	-45.5	48.9	66.9	133	0.301	1.0	0.0	65.3	-44.8	49.9	67.1	132	0.3	1.0	0.0	0.191	1.0	0.0	61.3	-52.2	42.3	67.3	141	0.3	1.0	0.0			
134	133	142	0.282	1.0	0.0	64.4	-46.2	48.0	66.7	134	0.292	1.0	0.0	64.9	-45.5	48.9	66.9	133	0.283	1.0	0.0	0.175	1.0	0.0	60.9	-53.2	41.7	67.7	142	0.283	1.0	0.0			
135	134	144	0.273	1.0	0.0	63.9	-46.9	47.0	66.4	135	0.282	1.0	0.0	64.4	-46.2	48.0	66.7	134	0.267	1.0	0.0	0.142	1.0	0.0	60.0	-55.3	40.2	68.4	144	0.267	1.0	0.0			
136	135	145	0.263	1.0	0.0	63.5	-47.5	46.0	66.2	136	0.273	1.0	0.0	63.9	-46.9	47.0	66.4	135	0.25	1.0	0.0	0.126	1.0	0.0	59.6	-56.3	39.5	68.8	145	0.25	1.0	0.0			
137	136	146	0.254	1.0	0.0	63.0	-48.2	45.0	66.0	137	0.263	1.0	0.0	63.5	-47.5	46.0	66.2	136	0.233	1.0	0.0	0.108	1.0	0.0	59.1	-57.5	38.8	69.5	146	0.233	1.0	0.0			
138	137	147	0.24	1.0	0.0	62.6	-49.0	44.2	66.1	138	0.254	1.0	0.0	63.0	-48.2	45.0	66.0	137	0.217	1.0	0.0	0.091	1.0	0.0	58.6	-58.7	38.2	70.1	147	0.217	1.0	0.0			
139	138	148	0.224	1.0	0.0	62.2	-50.1	43.6	66.5	139	0.24	1.0	0.0	62.6	-49.0	44.2	66.1	138	0.2	1.0	0.0	0.074	1.0	0.0	58.1	-59.9	37.5	70.7	148	0.2	1.0	0.0			
140	139	149	0.208	1.0	0.0	61.7	-51.1	43.0	66.9	140	0.224	1.0	0.0	62.2	-50.1	43.6	66.5	139	0.183	1.0	0.0	0.056	1.0	0.0	57.6	-61.1	36.8	71.4	149	0.183	1.0	0.0			
141	140	151	0.191	1.0	0.0	61.3	-52.2	42.3	67.3	141	0.208	1.0	0.0	61.7	-51.1	43.0	66.9	140	0.167	1.0	0.0	0.022	1.0	0.0	56.6	-63.4	35.2	72.7	151	0.167	1.0	0.0			
142	141	152	0.175	1.0	0.0	60.9	-53.2	41.7	67.7	142	0.191	1.0	0.0	61.3	-52.2	42.3	67.3	141	0.15	1.0	0.0	0.004	1.0	0.0	56.1	-64.6	34.4	73.3	152	0.15	1.0	0.0			
143	142	153	0.159	1.0	0.0	60.5	-54.3	41.0	68.1	143	0.175	1.0	0.0	60.9	-53.2	41.7	67.7	142	0.133	1.0	0.0	0.0	1.0	0.014	56.1	-64.7	33.0	72.8	153	0.133	1.0	0.0			
144	143	154	0.142	1.0	0.0	60.0	-55.3	40.2	68.4	144	0.159	1.0	0.0	60.5	-54.3	41.0	68.1	143	0.117	1.0	0.0	0.0	1.0	0.032	56.2	-64.4	31.5	71.8	154	0.117	1.0	0.0			
145	144	155	0.126	1.0	0.0	59.6	-56.3	39.5	68.8	145	0.142	1.0	0.0	60.0	-55.3	40.2	68.4	144	0.1	1.0	0.0	0.0	1.0	0.05	56.3	-64.1	29.9	70.9	155	0.1	1.0	0.0			
146	145	156	0.108	1.0	0.0	59.1	-57.5	38.8	69.5	146	0.126	1.0	0.0	59.6	-56.3	39.5	68.8	145	0.083	1.0	0.0	0.0	1.0	0.069	56.4	-63.8	28.4	69.9	156	0.083	1.0	0.0			
147	146	158	0.091	1.0	0.0	58.6	-58.7	38.2	70.1	147	0.108	1.0	0.0	59.1	-57.5	38.8	69.5	146	0.067	1.0	0.0	0.0	1.0	0.106	56.6	-63.0	25.5	68.0	158	0.067	1.0	0.0			
148	147	159	0.074	1.0	0.0	58.1	-59.9	37.5	70.7	148	0.091	1.0	0.0	58.6	-58.7	38.2	70.1	147	0.05	1.0	0.0	0.0	1.0	0.124	56.8	-62.5	24.0	67.1	159	0.05	1.0	0.0			
149	148	160	0.056	1.0	0.0	57.6	-61.1	36.8	71.4	149	0.074	1.0	0.0	58.1	-59.9	37.5	70.7	148	0.033	1.0	0.0	0.0	1.0	0.139	56.9	-62.2	22.7	66.3	160	0.033	1.0	0.0			
150	149	161	0.039	1.0	0.0	57.1	-62.3	36.0	72.0	150	0.056	1.0	0.0	57.6	-61.1	36.8	71.4	149	0.017	1.0	0.0	0.0	1.0	0.154	57.0	-61.9	21.3	65.5	161	0.017	1.0	0.0			
151	150	162	0.022	1.0	0.0	56.6	-63.4	35.2	72.7	151	0.039	1.0	0.0	57.1	-62.3	36.0	72.0	150	0.0	1.0	0.00G _s	0.0	1.0	0.168	57.1	-61.5	20.0	64.8	162	0.0	1.0	0.00G _e			
152	151	163	0.004	1.0	0.0	56.1	-64.6	34.4	73.3	152G _d	0.022	1.0	0.0	56.6	-63.4	35.2	72.7	151	0.0	1.0	0.017	0.0	1.0	0.183	57.2	-61.1	18.7	64.0	163	0.0	1.0	0.017			
153	152	164	0.0	1.0	0.014	56.1	-64.7	33.0	72.8	153	0.004	1.0	0.0	56.1	-64.6	34.4	73.3	152	0.0	1.0	0.033	0.0	1.0	0.197	57.3	-60.7	17.4	63.2	164	0.0	1.0	0.033			
154	153	165	0.0	1.0	0.032	56.2	-64.4	31.5	71.8	154	0.0	1.0	0.014	56.1	-64.7	33.0	72.8	153	0.0	1.0	0.05	0.0	1.0	0.212	57.4	-60.2	16.2	62.5	165	0.0	1.0	0.05			
155	154	166	0.0	1.0	0.05	56.3	-64.1	29.9	70.9	155	0.0	1.0	0.032	56.2	-64.4	31.5	71.8	154	0.0	1.0	0.067	0.0	1.0	0.227	57.5	-59.8	14.9	61.7	166	0.0	1.0	0.067			
156	155	167	0.0	1.0	0.069	56.4	-63.8	28.4	69.9	156	0.0	1.0	0.05	56.3	-64.1	29.9	70.9	155	0.0	1.0	0.083	0.0	1.0	0.241	57.6	-59.3	13.7	60.9	167	0.0	1.0	0.083			
157	156	168	0.0	1.0	0.087	56.5	-63.4	26.9	69.0	157	0.0	1.0	0.069	56.4	-63.8	28.4	69.9	156	0.0	1.0	0.1	0.0	1.0	0.254	57.7	-58.8	12.5	60.3	168	0.0	1.0	0.1			
158	157	169	0.0	1.0	0.106	56.6	-63.0	25.5	68.0	158	0.0	1.0	0.087	56.5	-63.4	26.9	69.0	157	0.0	1.0	0.117	0.0	1.0	0.265	57.8	-58.5	11.4	59.7	169	0.0	1.0	0.117			
159	158	170	0.0	1.0	0.124	56.8	-62.5	24.0	67.1	159	0.0	1.0	0.106	56.6	-63.0	25.5	68.0	158	0.0	1.0	0.133	0.0	1.0	0.276	57.8	-58.2	10.3	59.2	170	0.0	1.0	0.133			
160	159	170	0.0	1.0	0.139	56.9	-62.2	22.7	66.3	160	0.0	1.0	0.124	56.8	-62.5	24.0	67.1	159	0.0	1.0	0.15	0.0	1.0	0.276	57.8	-58.2									

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Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours d: $h_{ab,d} = 31.3, 96.3, 152.3, 234.1, 299.3, 353.1$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																																			
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$			$LAB^*_{dd361Mix}(x=LabCh)$			$rgb^*_{ds361Mi}$			$LAB^*_{ds361Mix}(x=LabCh)$			rgb^*_{s50M}			$rgb^*_{de361Mi}$			$LAB^*_{de361Mix}(x=LabCh)$			rgb^*_{e50M}			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}						
166	165	176	0.0	1.0	0.227	57.5	-59.8	14.9	61.7	166	0.0	1.0	0.212	57.4	-60.2	16.2	62.5	165	0.0	1.0	0.25	0.0	1.0	0.34	58.4	-55.7	3.9	56.0	176	0.0	1.0	0.25			
167	166	177	0.0	1.0	0.241	57.6	-59.3	13.7	60.9	167	0.0	1.0	0.227	57.5	-59.8	14.9	61.7	166	0.0	1.0	0.267	0.0	1.0	0.35	58.5	-55.3	2.9	55.4	177	0.0	1.0	0.267			
168	167	178	0.0	1.0	0.254	57.7	-58.8	12.5	60.3	168	0.0	1.0	0.241	57.6	-59.3	13.7	60.9	167	0.0	1.0	0.283	0.0	1.0	0.361	58.5	-54.8	1.9	54.9	178	0.0	1.0	0.283			
169	168	179	0.0	1.0	0.265	57.8	-58.5	11.4	59.7	169	0.0	1.0	0.254	57.7	-58.8	12.5	60.3	168	0.0	1.0	0.3	0.0	1.0	0.372	58.6	-54.3	0.9	54.4	179	0.0	1.0	0.3			
170	169	180	0.0	1.0	0.276	57.8	-58.2	10.3	59.2	170	0.0	1.0	0.265	57.8	-58.5	11.4	59.7	169	0.0	1.0	0.317	0.0	1.0	0.383	58.7	-53.9	0.0	54.0	180	0.0	1.0	0.317			
171	170	180	0.0	1.0	0.286	57.9	-57.8	9.2	58.7	171	0.0	1.0	0.276	57.8	-58.2	10.3	59.2	170	0.0	1.0	0.333	0.0	1.0	0.383	58.7	-53.9	0.0	54.0	180	0.0	1.0	0.333			
172	171	181	0.0	1.0	0.297	58.0	-57.5	8.1	58.1	172	0.0	1.0	0.286	57.9	-57.8	9.2	58.7	171	0.0	1.0	0.35	0.0	1.0	0.395	58.8	-53.6	-0.8	53.7	181	0.0	1.0	0.35			
173	172	182	0.0	1.0	0.308	58.1	-57.1	7.0	57.6	173	0.0	1.0	0.297	58.0	-57.5	8.1	58.1	172	0.0	1.0	0.367	0.0	1.0	0.407	58.9	-53.2	-1.8	53.4	182	0.0	1.0	0.367			
174	173	183	0.0	1.0	0.318	58.2	-56.6	6.0	57.1	174	0.0	1.0	0.308	58.1	-57.1	7.0	57.6	173	0.0	1.0	0.383	0.0	1.0	0.419	59.0	-52.9	-2.7	53.1	183	0.0	1.0	0.383			
175	174	184	0.0	1.0	0.329	58.3	-56.2	4.9	56.5	175	0.0	1.0	0.318	58.2	-56.6	6.0	57.1	174	0.0	1.0	0.4	0.0	1.0	0.43	59.0	-52.5	-3.6	52.7	184	0.0	1.0	0.4			
176	175	185	0.0	1.0	0.34	58.4	-55.7	3.9	56.0	176	0.0	1.0	0.329	58.3	-56.2	4.9	56.5	175	0.0	1.0	0.417	0.0	1.0	0.442	59.1	-52.1	-4.5	52.4	185	0.0	1.0	0.417			
177	176	186	0.0	1.0	0.35	58.5	-55.3	2.9	55.4	177	0.0	1.0	0.34	58.4	-55.7	3.9	56.0	176	0.0	1.0	0.433	0.0	1.0	0.454	59.2	-51.7	-5.3	52.1	186	0.0	1.0	0.433			
178	177	187	0.0	1.0	0.361	58.5	-54.8	1.9	54.9	178	0.0	1.0	0.35	58.5	-55.3	2.9	55.4	177	0.0	1.0	0.45	0.0	1.0	0.466	59.3	-51.3	-6.2	51.8	187	0.0	1.0	0.45			
179	178	188	0.0	1.0	0.372	58.6	-54.3	0.9	54.4	179	0.0	1.0	0.361	58.5	-54.8	1.9	54.9	178	0.0	1.0	0.467	0.0	1.0	0.478	59.4	-50.9	-7.1	51.5	188	0.0	1.0	0.467			
180	179	189	0.0	1.0	0.383	58.7	-53.9	0.0	54.0	180	0.0	1.0	0.372	58.6	-54.3	0.9	54.4	179	0.0	1.0	0.483	0.0	1.0	0.489	59.5	-50.4	-7.9	51.2	189	0.0	1.0	0.483			
181	180	190	0.0	1.0	0.395	58.8	-53.6	-0.8	53.7	181	0.0	1.0	0.383	58.7	-53.9	0.0	54.0	180	0.0	1.0	0.5	0.0	1.0	0.501	59.5	-50.0	-8.7	50.9	190	0.0	1.0	0.5			
182	181	191	0.0	1.0	0.407	58.9	-53.2	-1.8	53.4	182	0.0	1.0	0.395	58.8	-53.6	-0.8	53.7	181	0.0	1.0	0.517	0.0	1.0	0.512	59.6	-49.7	-9.6	50.7	191	0.0	1.0	0.517			
183	182	191	0.0	1.0	0.419	59.0	-52.9	-2.7	53.1	183	0.0	1.0	0.407	58.9	-53.2	-1.8	53.4	182	0.0	1.0	0.533	0.0	1.0	0.512	59.6	-49.7	-9.6	50.7	191	0.0	1.0	0.533			
184	183	192	0.0	1.0	0.43	59.0	-52.5	-3.6	52.7	184	0.0	1.0	0.419	59.0	-52.9	-2.7	53.1	183	0.0	1.0	0.55	0.0	1.0	0.522	59.6	-49.4	-10.4	50.6	192	0.0	1.0	0.55			
185	184	193	0.0	1.0	0.442	59.1	-52.1	-4.5	52.4	185	0.0	1.0	0.43	59.0	-52.5	-3.6	52.7	184	0.0	1.0	0.567	0.0	1.0	0.533	59.7	-49.0	-11.2	50.4	193	0.0	1.0	0.567			
186	185	194	0.0	1.0	0.454	59.2	-51.7	-5.3	52.1	186	0.0	1.0	0.442	59.1	-52.1	-4.5	52.4	185	0.0	1.0	0.583	0.0	1.0	0.543	59.7	-48.7	-12.1	50.3	194	0.0	1.0	0.583			
187	186	195	0.0	1.0	0.466	59.3	-51.3	-6.2	51.8	187	0.0	1.0	0.454	59.2	-51.7	-5.3	52.1	186	0.0	1.0	0.6	0.0	1.0	0.554	59.8	-48.3	-12.9	50.1	195	0.0	1.0	0.6			
188	187	196	0.0	1.0	0.478	59.4	-50.9	-7.1	51.5	188	0.0	1.0	0.466	59.3	-51.3	-6.2	51.8	187	0.0	1.0	0.617	0.0	1.0	0.564	59.8	-47.9	-13.7	50.0	196	0.0	1.0	0.617			
189	188	197	0.0	1.0	0.489	59.5	-50.4	-7.9	51.2	189	0.0	1.0	0.478	59.4	-50.9	-7.1	51.5	188	0.0	1.0	0.633	0.0	1.0	0.575	59.9	-47.6	-14.5	49.8	197	0.0	1.0	0.633			
190	189	198	0.0	1.0	0.501	59.5	-50.0	-8.7	50.9	190	0.0	1.0	0.489	59.5	-50.4	-7.9	51.2	189	0.0	1.0	0.65	0.0	1.0	0.586	59.9	-47.1	-15.3	49.7	198	0.0	1.0	0.65			
191	190	199	0.0	1.0	0.512	59.6	-49.7	-9.6	50.7	191	0.0	1.0	0.501	59.5	-50.0	-8.7	50.9	190	0.0	1.0	0.667	0.0	1.0	0.596	60.0	-46.7	-16.0	49.5	199	0.0	1.0	0.667			
192	191	200	0.0	1.0	0.522	59.6	-49.4	-10.4	50.6	192	0.0	1.0	0.512	59.6	-49.7	-9.6	50.7	191	0.0	1.0	0.683	0.0	1.0	0.607	60.0	-46.3	-16.8	49.4	200	0.0	1.0	0.683			
193	192	201	0.0	1.0	0.533	59.7	-49.0	-11.2	50.4	193	0.0	1.0	0.522	59.6	-49.4	-10.4	50.6	192	0.0	1.0	0.7	0.0	1.0	0.617	60.1	-45.9	-17.5	49.2	201	0.0	1.0	0.7			
194	193	201	0.0	1.0	0.543	59.7	-48.7	-12.1	50.3	194	0.0	1.0	0.533	59.7	-49.0	-11.2	50.4	193	0.0	1.0	0.717	0.0	1.0	0.617	60.1	-45.9	-17.5	49.2	201	0.0	1.0	0.717			
195	194	202	0.0	1.0	0.554	59.8	-48.3	-12.9	50.1	195	0.0	1.0	0.543	59.7	-48.7	-12.1	50.3	194	0.0	1.0	0.733	0.0	1.0	0.628	60.1	-45.4	-18.3	49.1	202	0.0	1.0	0.733			
196	195	203	0.0	1.0	0.564	59.8	-47.9	-13.7	50.0	196	0.0	1.0	0.554	59.8	-48.3	-12.9	50.1	195	0.0	1.0	0.75	0.0	1.0	0.639	60.2	-45.1	-19.1	49.1	203	0.0	1.0	0.75			
197	196	204	0.0	1.0	0.575	59.9	-47.6	-14.5	49.8	197	0.0	1.0	0.564	59.8	-47.9	-13.7	50.0	196	0.0	1.0	0.767	0.0	1.0	0.649	60.3	-44.7	-19.9	49.1	204	0.0	1.0	0.767			
198	197	205	0.0	1.0	0.586	59.9	-47.1	-15.3	49.7	198	0.0	1.0	0.575	59.9	-47.6	-14.5	49.8	197	0.0	1.0	0.783	0.0	1.0	0.66	60.4	-44.3	-20.6	49.0	205	0.0	1.0	0.783			
199	198	206	0.0	1.0	0.596	60.0																													

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TUV registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s : $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours d : $h_{ab,d} = 31.3, 96.3, 152.3, 234.1, 299.3, 353.1$; Six hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

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See original or copy: <http://web.me.com/klaus.richter/OE39/OE39L0NP.PDF> /.PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours d: $h_{ab,d} = 31.3, 96.3, 152.3, 234.1, 299.3, 353.1$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$	$LAB^*_{dd361Mix}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mix}(x=LabCh)$	rgb^*_{s50M}	$rgb^*_{de361Mi}$	$LAB^*_{de361Mix}(x=LabCh)$	rgb^*_{e50M}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	
256	255	258	0.0	0.596 1.0	49.1	-10.9 -44.1 45.6	256	0.0	0.568 1.0	48.1	-9.3 -44.4 45.4	258	0.0	0.25 1.0
257	256	259	0.0	0.582 1.0	48.6	-10.1 -44.3 45.5	257	0.0	0.553 1.0	47.5	-8.6 -44.4 45.4	259	0.0	0.233 1.0
258	257	260	0.0	0.568 1.0	48.1	-9.3 -44.4 45.4	258	0.0	0.539 1.0	47.0	-7.8 -44.5 45.3	260	0.0	0.217 1.0
259	258	261	0.0	0.553 1.0	47.5	-8.6 -44.4 45.4	259	0.0	0.525 1.0	46.5	-7.0 -44.6 45.2	261	0.0	0.2 1.0
260	259	262	0.0	0.539 1.0	47.0	-7.8 -44.5 45.3	260	0.0	0.51 1.0	45.9	-6.2 -44.6 45.1	262	0.0	0.183 1.0
261	260	263	0.0	0.525 1.0	46.5	-7.0 -44.6 45.2	261	0.0	0.497 1.0	45.4	-5.4 -44.6 45.1	263	0.0	0.167 1.0
262	261	264	0.0	0.51 1.0	45.9	-6.2 -44.6 45.1	262	0.0	0.485 1.0	44.9	-4.6 -44.7 45.1	264	0.0	0.15 1.0
263	262	264	0.0	0.497 1.0	45.4	-5.4 -44.6 45.1	263	0.0	0.485 1.0	44.9	-4.6 -44.7 45.1	264	0.0	0.133 1.0
264	263	265	0.0	0.485 1.0	44.9	-4.6 -44.7 45.1	264	0.0	0.472 1.0	44.5	-3.8 -44.8 45.1	265	0.0	0.117 1.0
265	264	266	0.0	0.472 1.0	44.5	-3.8 -44.8 45.1	265	0.0	0.46 1.0	44.0	-3.0 -44.9 45.1	266	0.0	0.1 1.0
266	265	267	0.0	0.46 1.0	44.0	-3.0 -44.9 45.1	266	0.0	0.448 1.0	43.5	-2.3 -44.9 45.1	267	0.0	0.083 1.0
267	266	268	0.0	0.448 1.0	43.5	-2.3 -44.9 45.1	267	0.0	0.436 1.0	43.0	-1.5 -44.9 45.1	268	0.0	0.067 1.0
268	267	269	0.0	0.436 1.0	43.0	-1.5 -44.9 45.1	268	0.0	0.424 1.0	42.5	-0.7 -45.0 45.1	269	0.0	0.05 1.0
269	268	270	0.0	0.424 1.0	42.5	-0.7 -45.0 45.1	269	0.0	0.412 1.0	42.1	0.0 -45.0 45.1	270	0.0	0.033 1.0
270	269	271	0.0	0.412 1.0	42.1	0.0 -45.0 45.1	270	0.0	0.412 1.0	42.1	0.0 -45.0 45.1	271	0.0	0.017 1.0
271	270	272	0.0	0.399 1.0	41.6	0.8 -44.9 45.1	271	1.0B _s	0.387 1.0	41.1	1.6 -44.9 45.1	272	0.0	1.0B _e
272	271	273	0.0	0.387 1.0	41.1	1.6 -44.9 45.1	272	0.0	0.399 1.0	41.6	0.8 -44.9 45.1	273	0.017	0.0 1.0
273	272	274	0.0	0.375 1.0	40.6	2.4 -44.9 45.0	273	0.0	0.387 1.0	41.1	1.6 -44.9 45.1	274	0.033	0.0 1.0
274	273	275	0.0	0.361 1.0	40.2	3.2 -45.0 45.2	274	0.0	0.375 1.0	40.6	2.4 -44.9 45.0	275	0.05 0.0	1.0
275	274	276	0.0	0.347 1.0	39.7	4.0 -45.2 45.5	275	0.0	0.361 1.0	40.2	3.2 -45.0 45.2	276	0.067 0.0	1.0
276	275	276	0.0	0.332 1.0	39.2	4.8 -45.3 45.7	276	0.0	0.347 1.0	39.7	4.0 -45.2 45.5	277	0.083 0.0	1.0
277	276	277	0.0	0.318 1.0	38.7	5.6 -45.4 45.9	277	0.0	0.332 1.0	39.2	4.8 -45.3 45.7	278	0.1 0.0	1.0
278	277	278	0.0	0.304 1.0	38.2	6.4 -45.5 46.1	278	0.0	0.318 1.0	38.7	5.6 -45.4 45.9	279	0.117 0.0	1.0
279	278	279	0.0	0.29 1.0	37.7	7.2 -45.6 46.3	279	0.0	0.304 1.0	38.2	6.4 -45.5 46.1	280	0.133 0.0	1.0
280	279	280	0.0	0.275 1.0	37.2	8.1 -45.7 46.5	280	0.0	0.29 1.0	37.7	7.2 -45.6 46.3	281	0.15 0.0	1.0
281	280	281	0.0	0.261 1.0	36.8	8.9 -45.7 46.7	281	0.0	0.275 1.0	37.2	8.1 -45.7 46.5	282	0.167 0.0	1.0
282	281	282	0.0	0.247 1.0	36.3	9.8 -45.8 46.9	282	0.0	0.261 1.0	36.8	8.9 -45.7 46.7	283	0.183 0.0	1.0
283	282	283	0.0	0.232 1.0	35.8	10.6 -45.9 47.2	283	0.0	0.247 1.0	36.3	9.8 -45.8 46.9	284	0.2 0.0	1.0
284	283	284	0.0	0.218 1.0	35.2	11.5 -46.1 47.6	284	0.0	0.232 1.0	35.8	10.6 -45.9 47.2	285	0.217 0.0	1.0
285	284	285	0.0	0.204 1.0	34.7	12.4 -46.2 47.9	285	0.0	0.218 1.0	35.2	11.5 -46.1 47.6	286	0.233 0.0	1.0
286	285	286	0.0	0.189 1.0	34.2	13.3 -46.3 48.2	286	0.0	0.204 1.0	34.7	12.4 -46.2 47.9	287	0.25 0.0	1.0
287	286	287	0.0	0.175 1.0	33.7	14.2 -46.4 48.6	287	0.0	0.189 1.0	34.2	13.3 -46.3 48.2	288	0.267 0.0	1.0
288	287	288	0.0	0.16 1.0	33.2	15.1 -46.4 48.9	288	0.0	0.175 1.0	33.7	14.2 -46.4 48.6	289	0.283 0.0	1.0
289	288	289	0.0	0.146 1.0	32.6	16.0 -46.5 49.3	289	0.0	0.16 1.0	33.2	15.1 -46.4 48.9	290	0.3 0.0	1.0
290	289	290	0.0	0.132 1.0	32.1	17.0 -46.5 49.6	290	0.0	0.146 1.0	32.6	16.0 -46.5 49.3	291	0.317 0.0	1.0
291	290	291	0.0	0.117 1.0	31.6	17.9 -46.6 50.0	291	0.0	0.132 1.0	32.1	17.0 -46.5 49.6	292	0.333 0.0	1.0
292	291	292	0.0	0.103 1.0	31.1	18.9 -46.6 50.4	292	0.0	0.117 1.0	31.6	17.9 -46.6 50.0	293	0.35 0.0	1.0
293	292	293	0.0	0.089 1.0	30.6	19.9 -46.7 50.8	293	0.0	0.103 1.0	31.1	18.9 -46.6 50.4	294	0.367 0.0	1.0
294	293	294	0.0	0.075 1.0	30.1	20.9 -46.7 51.3	294	0.0	0.089 1.0	30.6	19.9 -46.7 50.8	295	0.383 0.0	1.0
295	294	294	0.0	0.061 1.0	29.6	21.9 -46.8 51.7	295	0.0	0.075 1.0	30.1	20.9 -46.7 51.3	296	0.4 0.0	1.0
296	295	295	0.0	0.047 1.0	29.1	22.9 -46.8 52.1	296	0.0	0.061 1.0	29.6	21.9 -46.8 51.7	297	0.417 0.0	1.0
297	296	296	0.0	0.033 1.0	28.6	23.9 -46.8 52.6	297	0.0	0.047 1.0	29.1	22.9 -46.8 52.1	298	0.433 0.0	1.0
298	297	297	0.0	0.019 1.0	28.1	24.9 -46.7 53.0	298	0.0	0.033 1.0	28.6	23.9 -46.8 52.6	299	0.45 0.0	1.0
299	298	298	0.0	0.004 1.0	27.6	25.9 -46.7 53.5	299	0.0	0.019 1.0	28.1	24.9 -46.7 53.0	300	0.467 0.0	1.0
300	299	299	0.009 0.0	1.0	27.5	26.8 -46.4 53.7	300	0.0	0.004 1.0	27.6	25.9 -46.7 53.5	301	0.483 0.0	1.0
301	300	300	0.022 0.0	1.0	27.7	27.7 -46.0 53.8	301	0.009 0.0	1.0	27.5	26.8 -46.4 53.7	300	0.5 0.0	1.0

OE390-7N, Page of series 8/20, RX0, D65, XYZnw=3.3, 3.4, 3.6, 86.1, 91.1, 95.9, LAB*_{nw}=21.7, 0.3, 0.6, 96.4, -0.7, 2.2, not adapted

Output: Offset print ORS42_18_96; separation cmyn6*, D65 and D50, page 8/20

TUB-test chart OE39; 48 and 360 step hue circles, Page 8/20
Data of Offset print ORS42_18_96, separation cmyn6*, D65 and D50

input: rgb^*_d set $rgbc_{color}$
output: $cmyn6^*_d = f_6(rgb^*_d)$

TUB registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours d: $h_{ab,d} = 31.3, 96.3, 152.3, 234.1, 299.3, 353.1$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$					$LAB^*_{dd361Mix}(x=LabCh)$					$rgb^*_{ds361Mi}$					$LAB^*_{ds361Mix}(x=LabCh)$					rgb^*_{s50M}					$rgb^*_{de361Mi}$					$LAB^*_{de361Mix}(x=LabCh)$					rgb^*_{e50M}					rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
301	300	300	0.022	0.0	1.0	27.7	27.7	-46.0	53.8	301	0.009	0.0	1.0	27.5	26.8	-46.4	53.7	300	0.5	0.0	1.0	0.009	0.0	1.0	27.5	26.8	-46.4	53.7	300	0.5	0.0	1.0													
302	301	301	0.035	0.0	1.0	28.0	28.5	-45.6	53.8	302	0.022	0.0	1.0	27.7	27.7	-46.0	53.8	301	0.517	0.0	1.0	0.022	0.0	1.0	27.7	27.7	-46.0	53.8	301	0.517	0.0	1.0													
303	302	302	0.048	0.0	1.0	28.2	29.4	-45.1	53.9	303	0.035	0.0	1.0	28.0	28.5	-45.6	53.8	302	0.533	0.0	1.0	0.035	0.0	1.0	28.0	28.5	-45.6	53.8	302	0.533	0.0	1.0													
304	303	303	0.061	0.0	1.0	28.4	30.2	-44.7	54.0	304	0.048	0.0	1.0	28.2	29.4	-45.1	53.9	303	0.55	0.0	1.0	0.048	0.0	1.0	28.2	29.4	-45.1	53.9	303	0.55	0.0	1.0													
305	304	304	0.074	0.0	1.0	28.6	31.0	-44.2	54.1	305	0.061	0.0	1.0	28.4	30.2	-44.7	54.0	304	0.567	0.0	1.0	0.061	0.0	1.0	28.4	30.2	-44.7	54.0	304	0.567	0.0	1.0													
306	305	305	0.087	0.0	1.0	28.8	31.9	-43.8	54.2	306	0.074	0.0	1.0	28.6	31.0	-44.2	54.1	305	0.583	0.0	1.0	0.074	0.0	1.0	28.6	31.0	-44.2	54.1	305	0.583	0.0	1.0													
307	306	306	0.1	0.0	1.0	29.0	32.7	-43.3	54.3	307	0.087	0.0	1.0	28.8	31.9	-43.8	54.2	306	0.6	0.0	1.0	0.087	0.0	1.0	28.8	31.9	-43.8	54.2	306	0.6	0.0	1.0													
308	307	307	0.113	0.0	1.0	29.2	33.5	-42.8	54.4	308	0.1	0.0	1.0	29.0	32.7	-43.3	54.3	307	0.617	0.0	1.0	0.1	0.0	1.0	29.0	32.7	-43.3	54.3	307	0.617	0.0	1.0													
309	308	308	0.126	0.0	1.0	29.4	34.3	-42.3	54.5	309	0.113	0.0	1.0	29.2	33.5	-42.8	54.4	308	0.633	0.0	1.0	0.113	0.0	1.0	29.2	33.5	-42.8	54.4	308	0.633	0.0	1.0													
310	309	309	0.141	0.0	1.0	29.6	35.1	-41.7	54.6	310	0.126	0.0	1.0	29.4	34.3	-42.3	54.5	309	0.65	0.0	1.0	0.126	0.0	1.0	29.4	34.3	-42.3	54.5	309	0.65	0.0	1.0													
311	310	310	0.157	0.0	1.0	29.8	35.9	-41.2	54.7	311	0.141	0.0	1.0	29.6	35.1	-41.7	54.6	310	0.667	0.0	1.0	0.141	0.0	1.0	29.6	35.1	-41.7	54.6	310	0.667	0.0	1.0													
312	311	311	0.172	0.0	1.0	30.1	36.7	-40.6	54.8	312	0.157	0.0	1.0	29.8	35.9	-41.2	54.7	311	0.683	0.0	1.0	0.157	0.0	1.0	29.8	35.9	-41.2	54.7	311	0.683	0.0	1.0													
313	312	312	0.187	0.0	1.0	30.3	37.5	-40.1	54.9	313	0.172	0.0	1.0	30.1	36.7	-40.6	54.8	312	0.7	0.0	1.0	0.172	0.0	1.0	30.1	36.7	-40.6	54.8	312	0.7	0.0	1.0													
314	313	312	0.202	0.0	1.0	30.5	38.2	-39.5	55.0	314	0.187	0.0	1.0	30.3	37.5	-40.1	54.9	313	0.717	0.0	1.0	0.172	0.0	1.0	30.1	36.7	-40.6	54.8	312	0.717	0.0	1.0													
315	314	313	0.218	0.0	1.0	30.7	39.0	-38.9	55.2	315	0.202	0.0	1.0	30.5	38.2	-39.5	55.0	314	0.733	0.0	1.0	0.187	0.0	1.0	30.3	37.5	-40.1	54.9	313	0.733	0.0	1.0													
316	315	314	0.233	0.0	1.0	31.0	39.8	-38.3	55.3	316	0.218	0.0	1.0	30.7	39.0	-38.9	55.2	315	0.75	0.0	1.0	0.202	0.0	1.0	30.5	38.2	-39.5	55.0	314	0.75	0.0	1.0													
317	316	315	0.248	0.0	1.0	31.2	40.5	-37.7	55.4	317	0.233	0.0	1.0	31.0	39.8	-38.3	55.3	316	0.767	0.0	1.0	0.218	0.0	1.0	30.7	39.0	-38.9	55.2	315	0.767	0.0	1.0													
318	317	316	0.271	0.0	1.0	31.9	41.3	-37.1	55.6	318	0.248	0.0	1.0	31.2	40.5	-37.7	55.4	317	0.783	0.0	1.0	0.233	0.0	1.0	31.0	39.8	-38.3	55.3	316	0.783	0.0	1.0													
319	318	317	0.295	0.0	1.0	32.6	42.2	-36.6	55.9	319	0.271	0.0	1.0	31.9	41.3	-37.1	55.6	318	0.8	0.0	1.0	0.248	0.0	1.0	31.2	40.5	-37.7	55.4	317	0.8	0.0	1.0													
320	319	318	0.319	0.0	1.0	33.4	43.0	-36.0	56.1	320	0.295	0.0	1.0	32.6	42.2	-36.6	55.9	319	0.817	0.0	1.0	0.271	0.0	1.0	31.9	41.3	-37.1	55.6	318	0.817	0.0	1.0													
321	320	319	0.343	0.0	1.0	34.1	43.8	-35.4	56.4	321	0.319	0.0	1.0	33.4	43.0	-36.0	56.1	320	0.833	0.0	1.0	0.295	0.0	1.0	32.6	42.2	-36.6	55.9	319	0.833	0.0	1.0													
322	321	320	0.367	0.0	1.0	34.8	44.7	-34.8	56.7	322	0.343	0.0	1.0	34.1	43.8	-35.4	56.4	321	0.85	0.0	1.0	0.319	0.0	1.0	33.4	43.0	-36.0	56.1	320	0.85	0.0	1.0													
323	322	321	0.384	0.0	1.0	35.3	45.5	-34.2	57.0	323	0.367	0.0	1.0	34.8	44.7	-34.8	56.7	322	0.867	0.0	1.0	0.343	0.0	1.0	34.1	43.8	-35.4	56.4	321	0.867	0.0	1.0													
324	323	322	0.397	0.0	1.0	35.7	46.4	-33.6	57.3	324	0.384	0.0	1.0	35.3	45.5	-34.2	57.0	323	0.883	0.0	1.0	0.367	0.0	1.0	34.8	44.7	-34.8	56.7	322	0.883	0.0	1.0													
325	324	323	0.411	0.0	1.0	36.0	47.2	-32.9	57.6	325	0.397	0.0	1.0	35.7	46.4	-33.6	57.3	324	0.9	0.0	1.0	0.384	0.0	1.0	35.3	45.5	-34.2	57.0	323	0.9	0.0	1.0													
326	325	324	0.424	0.0	1.0	36.4	48.0	-32.3	57.9	326	0.411	0.0	1.0	36.0	47.2	-32.9	57.6	325	0.917	0.0	1.0	0.397	0.0	1.0	35.7	46.4	-33.6	57.3	324	0.917	0.0	1.0													
327	326	325	0.437	0.0	1.0	36.7	48.8	-31.6	58.2	327	0.424	0.0	1.0	36.4	48.0	-32.3	57.9	326	0.933	0.0	1.0	0.411	0.0	1.0	36.0	47.2	-32.9	57.6	325	0.933	0.0	1.0													
328	327	326	0.451	0.0	1.0	37.1	49.7	-30.9	58.6	328	0.437	0.0	1.0	36.7	48.8	-31.6	58.2	327	0.95	0.0	1.0	0.424	0.0	1.0	36.4	48.0	-32.3	57.9	326	0.95	0.0	1.0													
329	328	327	0.464	0.0	1.0	37.4	50.5	-30.2	58.9	329	0.451	0.0	1.0	37.1	49.7	-30.9	58.6	328	0.967	0.0	1.0	0.437	0.0	1.0	36.7	48.8	-31.6	58.2	327	0.967	0.0	1.0													
330	329	328	0.477	0.0	1.0	37.8	51.3	-29.5	59.2	330	0.464	0.0	1.0	37.4	50.5	-30.2	58.9	329	0.983	0.0	1.0	0.451	0.0	1.0	37.1	49.7	-30.9	58.6	328	0.983	0.0	1.0													
331	330	329	0.491	0.0	1.0	38.1	52.0	-28.7	59.5	331	0.477	0.0	1.0	37.8	51.3	-29.5	59.2	330	1.0	0.0	1.0M _s	0.464	0.0	1.0	37.4	50.5	-30.2	58.9	329	1.0	0.0	1.0M _e													
332	331	330	0.505	0.0	1.0	38.5	52.9	-28.0	59.9	332	0.491	0.0	1.0	38.1	52.0	-28.7	59.5	331	1.0	0.0	0.983	0.477	0.0	1.0	37.8	51.3	-29.5	59.2	330	1.0	0.0	0.983													
333	332	331	0.521	0.0	1.0	38.8	53.7	-27.3	60.3	333	0.505	0.0	1.0	38.5	52.9	-28.0	59.9	332	1.0	0.0	0.967	0.491	0.0	1.0	38.1	52.0	-28.7	59.5	331	1.0	0.0	0.967													
334	333	331	0.537	0.0	1.0	39.1	54.6	-26.5	60.8	334	0.521	0.0	1.0	38.8	53.7	-27.3	60.3	333	1.0	0.0	0.95	0.491	0.0	1.0	38.1	52.0	-28.7	59.5	331	1.0	0.0	0.95													
335	334	332	0.553	0.0	1.0	39.5	55.5	-25.8	61.2	335	0.537	0.0	1.0	39.1	54.6	-26.5	60.8	334	1.0	0.0	0.933	0.505	0.0	1.0	38.5	52.9	-28.0	59.9	332	1.0	0.0	0.933													
336	335	333	0.57	0.0	1.0	39.8	56.4	-25.0	61.7	336	0.553	0.0	1.0	39.5	55.5	-25.8	61.2	335	1.0	0.0	0.917	0.521	0.0	1.0	38.8	53.7	-27.3	60.3	333	1.0	0.0	0.917													
337	336	334	0.586	0.0	1.0	40.1	57.2	-24.2	62.1	337	0.57	0.0	1.0	39.8	56.4	-25.0	61.7	336	1.0	0.0	0.9	0.537	0.0	1.0	39.1	54.6	-26.5	60.8	334	1.0	0.0	0.9													
338	337	335	0.602	0.0	1.0	40.5	58.0	-23.4	62.6	338	0.586	0.0	1.0	40.1	57.2	-24.2	62.1	337	1.0	0.0	0.883	0.553	0.0	1.0	39.5	55.5	-25.8	61.2	335	1.0	0.0	0.883													
339	338	336	0.619	0.0	1.0	40.8	58.9	-22.5	63.1	339	0.602	0.0	1.0	40.5	58.0	-23.4	62.6	338	1.0	0.0	0.867	0.57	0.0	1.0	39.8	56.4	-25.0	61.7	336	1.0	0.0	0.867													
340	339	337																																											

OE390-7N, Page of series 9/20, RX0, D65, XYZnw=3.3, 3.4, 3.6, 86.1, 91.1, 95.9, LAB*_{nw}=21.7, 0.3, 0.6, 96.4, -0.7, 2.2, not adapted

Output: Offset print ORS42_18_96; separation cmyn6*, D65 and D50, page 9/20

TUB-test chart OE39; 48 and 360 step hue circles, Page 9/20
Data of Offset print ORS42_18_96, separation cmyn6*, D65 and D50

input: rgb^*_d set $rgbcOLOR$
output: $cmyn6^*_d = f_6(rgb^*_d)$

See original or copy: <http://web.me.com/klaus.richter/OE39/OE39L0NP.PDF> /.PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																																					
Six hue angles of the device colours d: $h_{ab,d} = 31.3, 96.3, 152.3, 234.1, 299.3, 353.1$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																																					
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$				$LAB^*_{dd361Mix}(x=LabCh)$				$rgb^*_{ds361Mi}$				$LAB^*_{ds361Mix}(x=LabCh)$				rgb^*_{s50M}				$rgb^*_{de361Mi}$				$LAB^*_{de361Mix}(x=LabCh)$				rgb^*_{e50M}				rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
346	345	343	0.816	0.0	1.0	46.0	66.1	-16.4	68.1	346	0.792	0.0	1.0	45.5	65.0	-17.3	67.3	345	1.0	0.0	0.75	0.74	0.0	1.0	44.4	62.9	-19.1	65.8	343	1.0	0.0	0.75					
347	346	344	0.841	0.0	1.0	46.6	67.1	-15.4	68.8	347	0.816	0.0	1.0	46.0	66.1	-16.4	68.1	346	1.0	0.0	0.733	0.767	0.0	1.0	45.0	64.0	-18.2	66.5	344	1.0	0.0	0.733					
348	347	345	0.865	0.0	1.0	47.1	68.1	-14.4	69.6	348	0.841	0.0	1.0	46.6	67.1	-15.4	68.8	347	1.0	0.0	0.717	0.792	0.0	1.0	45.5	65.0	-17.3	67.3	345	1.0	0.0	0.717					
349	348	346	0.891	0.0	1.0	47.5	69.2	-13.3	70.5	349	0.865	0.0	1.0	47.1	68.1	-14.4	69.6	348	1.0	0.0	0.7	0.816	0.0	1.0	46.0	66.1	-16.4	68.1	346	1.0	0.0	0.7					
350	349	347	0.917	0.0	1.0	48.0	70.3	-12.3	71.4	350	0.891	0.0	1.0	47.5	69.2	-13.3	70.5	349	1.0	0.0	0.683	0.841	0.0	1.0	46.6	67.1	-15.4	68.8	347	1.0	0.0	0.683					
351	350	348	0.944	0.0	1.0	48.5	71.4	-11.2	72.3	351	0.917	0.0	1.0	48.0	70.3	-12.3	71.4	350	1.0	0.0	0.667	0.865	0.0	1.0	47.1	68.1	-14.4	69.6	348	1.0	0.0	0.667					
352	351	349	0.971	0.0	1.0	48.9	72.5	-10.1	73.2	352	0.944	0.0	1.0	48.5	71.4	-11.2	72.3	351	1.0	0.0	0.65	0.891	0.0	1.0	47.5	69.2	-13.3	70.5	349	1.0	0.0	0.65					
353	352	349	0.997	0.0	1.0	49.4	73.6	-8.9	74.2	353	0.971	0.0	1.0	48.9	72.5	-10.1	73.2	352	1.0	0.0	0.633	0.891	0.0	1.0	47.5	69.2	-13.3	70.5	349	1.0	0.0	0.633					
354	353	350	1.0	0.0	0.972	49.4	73.4	-7.6	73.8	354	0.997	0.0	1.0	49.4	73.6	-8.9	74.2	353	1.0	0.0	0.617	0.917	0.0	1.0	48.0	70.3	-12.3	71.4	350	1.0	0.0	0.617					
355	354	351	1.0	0.0	0.941	49.4	73.0	-6.3	73.3	355	1.0	0.0	0.972	49.4	73.4	-7.6	73.8	354	1.0	0.0	0.6	0.944	0.0	1.0	48.5	71.4	-11.2	72.3	351	1.0	0.0	0.6					
356	355	352	1.0	0.0	0.909	49.4	72.6	-5.0	72.7	356	1.0	0.0	0.941	49.4	73.0	-6.3	73.3	355	1.0	0.0	0.583	0.971	0.0	1.0	48.9	72.5	-10.1	73.2	352	1.0	0.0	0.583					
357	356	353	1.0	0.0	0.878	49.4	72.1	-3.7	72.2	357	1.0	0.0	0.909	49.4	72.6	-5.0	72.7	356	1.0	0.0	0.567	0.997	0.0	1.0	49.4	73.6	-8.9	74.2	353	1.0	0.0	0.567					
358	357	354	1.0	0.0	0.844	49.4	71.9	-2.4	72.0	358	1.0	0.0	0.878	49.4	72.1	-3.7	72.2	357	1.0	0.0	0.55	1.0	0.0	0.972	49.4	73.4	-7.6	73.8	354	1.0	0.0	0.55					
359	358	355	1.0	0.0	0.81	49.3	71.8	-1.2	71.8	359	1.0	0.0	0.844	49.4	71.9	-2.4	72.0	358	1.0	0.0	0.533	1.0	0.0	0.941	49.4	73.0	-6.3	73.3	355	1.0	0.0	0.533					
0	359	356	1.0	0.0	0.776	49.3	71.6	0.0	71.6	0	1.0	0.0	0.81	49.3	71.8	-1.2	71.8	359	1.0	0.0	0.517	1.0	0.0	0.909	49.4	72.6	-5.0	72.7	356	1.0	0.0	0.517					
1	360	357	1.0	0.0	0.744	49.2	71.4	1.2	71.4	1	1.0	0.0	0.776	49.3	71.6	0.0	71.6	0	1.0	0.0	0.5	1.0	0.0	0.878	49.4	72.1	-3.7	72.2	357	1.0	0.0	0.5					
2	361	358	1.0	0.0	0.719	49.2	71.1	2.5	71.2	2	1.0	0.0	0.744	49.2	71.4	1.2	71.4	1	1.0	0.0	0.483	1.0	0.0	0.844	49.4	71.9	-2.4	72.0	358	1.0	0.0	0.483					
3	362	359	1.0	0.0	0.693	49.2	70.8	3.7	70.9	3	1.0	0.0	0.719	49.2	71.1	2.5	71.2	2	1.0	0.0	0.467	1.0	0.0	0.81	49.3	71.8	-1.2	71.8	359	1.0	0.0	0.467					
4	363	360	1.0	0.0	0.668	49.2	70.5	4.9	70.7	4	1.0	0.0	0.693	49.2	70.8	3.7	70.9	3	1.0	0.0	0.45	1.0	0.0	0.776	49.3	71.6	0.0	71.6	0	1.0	0.0	0.45					
5	364	361	1.0	0.0	0.643	49.2	70.2	6.1	70.5	5	1.0	0.0	0.668	49.2	70.5	4.9	70.7	4	1.0	0.0	0.433	1.0	0.0	0.744	49.2	71.4	1.2	71.4	1	1.0	0.0	0.433					
6	365	362	1.0	0.0	0.617	49.2	69.9	7.4	70.3	6	1.0	0.0	0.643	49.2	70.2	6.1	70.5	5	1.0	0.0	0.417	1.0	0.0	0.719	49.2	71.1	2.5	71.2	2	1.0	0.0	0.417					
7	366	363	1.0	0.0	0.591	49.1	69.9	8.6	70.4	7	1.0	0.0	0.617	49.2	69.9	7.4	70.3	6	1.0	0.0	0.4	1.0	0.0	0.693	49.2	70.8	3.7	70.9	3	1.0	0.0	0.4					
8	367	364	1.0	0.0	0.564	49.0	69.8	9.8	70.5	8	1.0	0.0	0.591	49.1	69.9	8.6	70.4	7	1.0	0.0	0.383	1.0	0.0	0.668	49.2	70.5	4.9	70.7	4	1.0	0.0	0.383					
9	368	365	1.0	0.0	0.537	49.0	69.8	11.0	70.6	9	1.0	0.0	0.564	49.0	69.8	9.8	70.5	8	1.0	0.0	0.367	1.0	0.0	0.643	49.2	70.2	6.1	70.5	5	1.0	0.0	0.367					
10	369	366	1.0	0.0	0.511	48.9	69.6	12.3	70.7	10	1.0	0.0	0.537	49.0	69.8	11.0	70.6	9	1.0	0.0	0.35	1.0	0.0	0.617	49.2	69.9	7.4	70.3	6	1.0	0.0	0.35					
11	370	367	1.0	0.0	0.485	48.8	69.5	13.5	70.8	11	1.0	0.0	0.511	48.9	69.6	12.3	70.7	10	1.0	0.0	0.333	1.0	0.0	0.591	49.1	69.9	8.6	70.4	7	1.0	0.0	0.333					
12	371	367	1.0	0.0	0.461	48.9	69.3	14.7	70.8	12	1.0	0.0	0.485	48.8	69.5	13.5	70.8	11	1.0	0.0	0.317	1.0	0.0	0.591	49.1	69.9	8.6	70.4	7	1.0	0.0	0.317					
13	372	368	1.0	0.0	0.437	48.9	69.0	15.9	70.8	13	1.0	0.0	0.461	48.9	69.3	14.7	70.8	12	1.0	0.0	0.3	1.0	0.0	0.564	49.0	69.8	9.8	70.5	8	1.0	0.0	0.3					
14	373	369	1.0	0.0	0.413	48.9	68.8	17.1	70.9	14	1.0	0.0	0.437	48.9	69.0	15.9	70.8	13	1.0	0.0	0.283	1.0	0.0	0.537	49.0	69.8	11.0	70.6	9	1.0	0.0	0.283					
15	374	370	1.0	0.0	0.388	48.9	68.5	18.4	70.9	15	1.0	0.0	0.413	48.9	68.8	17.1	70.9	14	1.0	0.0	0.267	1.0	0.0	0.511	48.9	69.6	12.3	70.7	10	1.0	0.0	0.267					
16	375	371	1.0	0.0	0.366	48.9	68.3	19.6	71.0	16	1.0	0.0	0.388	48.9	68.5	18.4	70.9	15	1.0	0.0	0.25	1.0	0.0	0.485	48.8	69.5	13.5	70.8	11	1.0	0.0	0.25					
17	376	372	1.0	0.0	0.347	48.9	68.2	20.8	71.3	17	1.0	0.0	0.366	48.9	68.3	19.6	71.0	16	1.0	0.0	0.233	1.0	0.0	0.461	48.9	69.3	14.7	70.8	12	1.0	0.0	0.233					
18	377	373	1.0	0.0	0.327	48.9	68.0	22.1	71.5	18	1.0	0.0	0.347	48.9	68.2	20.8	71.3	17	1.0	0.0	0.217	1.0	0.0	0.437	48.9	69.0	15.9	70.8	13	1.0	0.0	0.217					
19	378	374	1.0	0.0	0.308	48.9	67.8	23.4	71.7	19	1.0	0.0	0.327	48.9	68.0	22.1	71.5	18	1.0	0.0	0.2	1.0	0.0	0.413	48.9	68.8	17.1	70.9	14	1.0	0.0	0.2					
20	379	375	1.0	0.0	0.288	48.9	67.6	24.6	72.0	20	1.0	0.0	0.308	48.9	67.8	23.4	71.7	19	1.0	0.0	0.183	1.0	0.0	0.388	48.9	68.5	18.4	70.9	15	1.0	0.0	0.183					
21	380	376	1.0	0.0	0.269	48.9	67.4	25.9	72.2	21	1.0	0.0	0.288	48.9	67.6	24.6	72.0	20	1.0	0.0	0.167	1.0	0.0	0.366	48.9	68.3	19.6	71.0	16	1.0	0.0	0.167					
22	381	377	1.0	0.0	0.249	48.9	67.2	27.1	72.5	22	1.0	0.0	0.269	48.9	67.4	25.9	72.2	21	1.0	0.0	0.15	1.0	0.0	0.347	48.9	68.2	20.8	71.3	17	1.0	0.0	0.15					
23	382	378	1.0	0.0	0.223	48.8	67.1	28.5	72.9	23	1.0	0.0	0.249	48.9	67.2	27.1	72.5	22	1.0	0.0	0.133	1.0	0.0	0.327	48.9	68.0	22.1	71.5	18	1.0	0.0	0.133					
24	383	379	1.0	0.0	0.198	48.8	67.0	29.8	73.4	24	1.0	0.0	0.223	48.8	67.1	28.5	72.9	23	1.0	0.0	0.117	1.0	0.0	0.308	48.9	67.8	23.4	71.7	19	1.0	0.0	0.117					
25	384	380	1.0	0.0	0.172	48.8	66.9	31.2	73.8	25	1.0	0.0	0.198	48.8	67.0	29.8	73.4	24	1.0	0.0	0.1	1.0	0.0	0.288	48.9	67.6	24.6	72.0	20	1.0	0.0	0.1					
26	385	381</																																			

OE390-7N, Page of series 10/20, RX0, D65, XYZnw=3.3, 3.4, 3.6, 86.1, 91.1, 95.9, LAB*_{nw}=21.7, 0.3, 0.6, 96.4, -0.7, 2.2, not adapted

Output: Offset print ORS42_18_96; separation cmyn6*, D65 and D50, page 10/20

TUB-test chart OE39; 48 and 360 step hue circles, Page 10/20
Data of Offset print ORS42_18_96, separation cmyn6*, D65 and D50

input: rgb^*_d set $rgbcolor$
output: $cmyn6^*_d = f_6(rgb^*_d)$

TUB registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s : $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours d : $h_{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0$; Six hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$Y=J_d$ Yellow

$LCH^*_d = 91.0 \ 87.6 \ 92.8$

$LAB^*_d = 91.0 \ -4.2 \ 87.5$

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

$L=G_d$ Leaf green

$LCH^*_d = 55.2 \ 70.1 \ 153.3$

$LAB^*_d = 55.2 \ -62.6 \ 31.5$

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

$C=C_d$ Cyan blue

$LCH^*_d = 61.3 \ 59.4 \ 229.2$

$LAB^*_d = 61.3 \ -38.7 \ -45.0$

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

b^*_d device CIELAB (a^*_d, b^*_d) chroma diagram

$O=R_d$ Orange red

$LCH^*_d = 50.5 \ 82.0 \ 32.2$

$LAB^*_d = 50.5 \ 69.4 \ 43.7$

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

$M=M_d$ Magenta red

$LCH^*_d = 51.2 \ 74.3 \ 356.0$

$LAB^*_d = 51.2 \ 74.1 \ -5.1$

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

$V=B_d$ Violet blue (very different to elementary Blue)

$LCH^*_d = 26.7 \ 51.3 \ 292.8$

$LAB^*_d = 26.7 \ 19.9 \ -47.3$

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

J_e Yellow

$LCH^*_e = 90.2 \ 86.7 \ 92.0$

$LAB^*_e = 90.2 \ -3.0 \ 86.7$

$rgb^*_e = 1.0 \ 0.98 \ 0.0$

G_e Green

$LCH^*_e = 56.0 \ 64.1 \ 162.0$

$LAB^*_e = 56.0 \ -61.0 \ 19.8$

$rgb^*_e = 0.0 \ 1.0 \ 0.142$

C_e Blue green

$LCH^*_e = 60.1 \ 55.9 \ 217.0$

$LAB^*_e = 60.1 \ -44.7 \ -33.6$

$rgb^*_e = 0.0 \ 1.0 \ 0.819$

B_e Blue

$LCH^*_e = 36.0 \ 47.1 \ 272.0$

$LAB^*_e = 36.0 \ 1.6 \ -47.1$

$rgb^*_e = 0.0 \ 0.267 \ 1.0$

b^*_e elementary CIELAB (a^*_e, b^*_e) chroma diagram

R_e Red

$LCH^*_e = 50.8 \ 77.1 \ 25.0$

$LAB^*_e = 50.8 \ 69.8 \ 32.5$

$rgb^*_e = 1.0 \ 0.0 \ 0.213$

M_e Blue red

$LCH^*_e = 37.9 \ 56.3 \ 329.0$

$LAB^*_e = 37.9 \ 48.2 \ -28.9$

$rgb^*_e = 0.458 \ 0.0 \ 1.0$

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

J_s Yellow

$LCH^*_s = 88.3 \ 84.5 \ 90.0$

$LAB^*_s = 88.3 \ 0.0 \ 84.5$

$rgb^*_s = 1.0 \ 0.932 \ 0.0$

G_s Green

$LCH^*_s = 56.7 \ 68.0 \ 150.0$

$LAB^*_s = 56.7 \ -58.9 \ 34.0$

$rgb^*_s = 0.051 \ 1.0 \ 0.0$

R_s Red

$LCH^*_s = 50.6 \ 80.3 \ 30.0$

$LAB^*_s = 50.6 \ 69.5 \ 40.1$

$rgb^*_s = 1.0 \ 0.0 \ 0.068$

M_s Blue red

$LCH^*_s = 38.2 \ 56.6 \ 330.0$

$LAB^*_s = 38.2 \ 49.0 \ -28.3$

$rgb^*_s = 0.469 \ 0.0 \ 1.0$

C_s Blue green

$LCH^*_s = 59.4 \ 54.8 \ 210.0$

$LAB^*_s = 59.4 \ -47.5 \ -27.4$

$rgb^*_s = 0.0 \ 1.0 \ 0.719$

B_s Blue

$LCH^*_s = 36.9 \ 47.0 \ 270.0$

$LAB^*_s = 36.9 \ 0.0 \ -47.0$

$rgb^*_s = 0.0 \ 0.294 \ 1.0$

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

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

2. For the calculation of the standard hue angle $h_{ab,s}$ use for any device values rgb^*_d 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 3.

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

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TUB registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s : $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours d : $h_{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0$; Six hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Table A1. The color angles of the three colours of LAB* ^a , Lab*, L*a*b*, CIE 1964, D50 illuminant, 2 degree observer, at the angles of the elementary colours of Lab* ^b												Table A2. The color angles of the elementary colours of Lab* ^c																				
Lab,d	hab,s	hae,e	rgb*dd50M	LAB**d50Mx (x=LabCh)	rgb*ds50M	LAB**d50Mx (x=LabCh)	rgb*s50M	rgb*de50M	LAB**d50Mx (x=LabCh)	rgb*e50M	Lab,d	hab,s	hae,e	rgb*dd50M	LAB**d50Mx (x=LabCh)	rgb*ds50M	LAB**d50Mx (x=LabCh)	rgb*s50M	rgb*de50M	LAB**d50Mx (x=LabCh)	rgb*e50M											
32.2	30.0	25.5	1.0	0.0	0.0	50.5	69.4	43.8	82.1	32.2	1.0	0.0	0.069	50.6	69.6	40.2	80.3	30	1.0	0.0	0.0	1.0	0.0	0.214	50.8	69.9	32.6	77.1	25	1.0	0.0	0.0
38.8	37.5	33.8	1.0	0.125	0.0	54.6	60.6	48.8	77.8	38.8	1.0	0.109	0.0	54.1	61.8	48.2	78.4	38	1.0	0.125	0.0	1.0	0.034	0.0	51.6	67.1	45.3	80.9	34	1.0	0.125	0.0
46.5	45.0	42.2	1.0	0.25	0.0	59.2	51.0	53.8	74.1	46.5	1.0	0.225	0.0	58.3	52.9	52.9	74.8	45	1.0	0.25	0.0	1.0	0.177	0.0	56.5	56.7	51.1	76.3	42	1.0	0.25	0.0
55.4	52.5	50.5	1.0	0.375	0.0	64.3	40.7	59.1	71.7	55.4	1.0	0.341	0.0	62.9	43.6	57.8	72.4	53	1.0	0.375	0.0	1.0	0.313	0.0	61.8	45.9	56.7	72.9	51	1.0	0.375	0.0
65.2	60.0	58.9	1.0	0.5	0.0	70.0	30.0	65.0	71.6	65.2	1.0	0.433	0.0	67.0	35.8	62.1	71.7	60	1.0	0.5	0.0	1.0	0.421	0.0	66.4	36.9	61.4	71.7	59	1.0	0.5	0.0
74.2	67.5	67.2	1.0	0.625	0.0	75.6	20.1	71.1	73.9	74.2	1.0	0.539	0.0	71.7	27.1	67.0	72.3	68	1.0	0.625	0.0	1.0	0.525	0.0	71.1	28.1	66.3	72.0	67	1.0	0.625	0.0
81.7	75.0	75.6	1.0	0.75	0.0	81.1	11.1	76.5	77.3	81.7	1.0	0.638	0.0	76.2	19.2	71.7	74.2	75	1.0	0.75	0.0	1.0	0.655	0.0	76.9	18.1	72.5	74.7	76	1.0	0.75	0.0
87.6	82.5	84.0	1.0	0.875	0.0	86.0	3.4	81.9	82.0	87.6	1.0	0.777	0.0	82.1	9.5	77.7	78.3	83	1.0	0.875	0.0	1.0	0.798	0.0	83.0	8.3	78.7	79.1	84	1.0	0.875	0.0
92.8	90.0	92.3	1.0	1.0	0.0	91.1	-4.2	87.6	87.7	92.8	1.0	0.932	0.0	88.3	0.0	84.6	84.6	90	1.0	1.0	0.0	1.0	0.98	0.0	90.3	-2.9	86.7	86.8	92	1.0	1.0	0.0
96.5	97.5	101.1	0.875	1.0	0.0	87.0	-9.3	82.3	82.8	96.5	0.823	1.0	0.0	85.4	-11.2	80.4	81.2	98	0.875	1.0	0.0	0.734	1.0	0.0	82.5	-14.8	76.4	77.8	101	0.875	1.0	0.0
100.1	105.0	109.8	0.75	1.0	0.0	83.2	-13.8	77.6	78.8	100.1	0.66	1.0	0.0	79.5	-18.9	70.8	73.3	105	0.75	1.0	0.0	0.57	1.0	0.0	76.1	-23.6	65.1	69.3	110	0.75	1.0	0.0
106.9	112.5	118.5	0.625	1.0	0.0	78.1	-20.6	68.0	71.1	106.9	0.516	1.0	0.0	74.1	-26.3	62.1	67.5	113	0.625	1.0	0.0	0.42	1.0	0.0	70.5	-31.8	57.5	65.7	119	0.625	1.0	0.0
113.9	120.0	127.3	0.5	1.0	0.0	73.5	-27.0	61.2	67.0	113.9	0.405	1.0	0.0	69.8	-32.6	56.7	65.4	120	0.5	1.0	0.0	0.332	1.0	0.0	66.5	-38.3	51.0	63.9				

Output: Offset print ORS42_18_96; separation cmyn6*, D65 and D50, page 12/20

TUB-test chart OE39; 48 and 360 step hue circles, Page 12/20
Data of Offset print ORS42 18 96, separation *cmyn6**, D65 and D50

input: rgb_d^* setrgbcolor
output: $cmyn6_d^* = f_6(rgb_d^*)$

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Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours d: $h_{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$													
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$	$LAB^*_{dd361Mix}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mix}(x=LabCh)$	rgb^*_{s50M}	$rgb^*_{de361Mi}$	$LAB^*_{de361Mix}(x=LabCh)$	rgb^*_{e50M}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
32	30	25	1.0	0.0	0.007	50.5	69.4	43.4	81.9	32	1.0	0.0	0.0
33	31	27	1.0	0.015	0.0	51.0	68.4	44.4	81.6	33	1.0	0.015	0.0
34	32	28	1.0	0.034	0.0	51.6	67.1	45.3	80.9	34	1.0	0.034	0.0
35	33	29	1.0	0.052	0.0	52.2	65.8	46.1	80.3	35	1.0	0.052	0.0
36	34	30	1.0	0.071	0.0	52.8	64.4	46.8	79.6	36	1.0	0.071	0.0
37	35	31	1.0	0.09	0.0	53.5	63.1	47.5	79.0	37	1.0	0.09	0.0
38	36	32	1.0	0.109	0.0	54.1	61.8	48.2	78.4	38	1.0	0.109	0.0
39	37	33	1.0	0.128	0.0	54.7	60.4	48.9	77.7	39	1.0	0.128	0.0
40	38	34	1.0	0.144	0.0	55.3	59.2	49.7	77.3	40	1.0	0.144	0.0
41	39	36	1.0	0.16	0.0	55.9	57.9	50.4	76.8	41	1.0	0.16	0.0
42	40	37	1.0	0.177	0.0	56.5	56.7	51.1	76.3	42	1.0	0.177	0.0
43	41	38	1.0	0.193	0.0	57.1	55.4	51.7	75.8	43	1.0	0.193	0.0
44	42	39	1.0	0.209	0.0	57.7	54.2	52.3	75.3	44	1.0	0.209	0.0
45	43	40	1.0	0.225	0.0	58.3	52.9	52.9	74.8	45	1.0	0.225	0.0
46	44	41	1.0	0.241	0.0	58.9	51.7	53.5	74.4	46	1.0	0.241	0.0
47	45	42	1.0	0.257	0.0	59.5	50.5	54.1	74.0	47	1.0	0.257	0.0
48	46	43	1.0	0.271	0.0	60.1	49.3	54.8	73.7	48	1.0	0.271	0.0
49	47	44	1.0	0.285	0.0	60.6	48.2	55.4	73.5	49	1.0	0.285	0.0
50	48	46	1.0	0.299	0.0	61.2	47.0	56.1	73.2	50	1.0	0.299	0.0
51	49	47	1.0	0.313	0.0	61.8	45.9	56.7	72.9	51	1.0	0.313	0.0
52	50	48	1.0	0.327	0.0	62.4	44.7	57.2	72.6	52	1.0	0.327	0.0
53	51	49	1.0	0.341	0.0	62.9	43.6	57.8	72.4	53	1.0	0.341	0.0
54	52	50	1.0	0.355	0.0	63.5	42.4	58.3	72.1	54	1.0	0.355	0.0
55	53	51	1.0	0.369	0.0	64.1	41.2	58.9	71.8	55	1.0	0.369	0.0
56	54	52	1.0	0.383	0.0	64.7	40.1	59.5	71.7	56	1.0	0.383	0.0
57	55	53	1.0	0.395	0.0	65.2	39.1	60.1	71.7	57	1.0	0.395	0.0
58	56	54	1.0	0.408	0.0	65.8	38.0	60.8	71.7	58	1.0	0.408	0.0
59	57	56	1.0	0.421	0.0	66.4	36.9	61.4	71.7	59	1.0	0.421	0.0
60	58	57	1.0	0.433	0.0	67.0	35.8	62.1	71.7	60	1.0	0.433	0.0
61	59	58	1.0	0.446	0.0	67.5	34.7	62.7	71.6	61	1.0	0.446	0.0
62	60	59	1.0	0.459	0.0	68.1	33.6	63.2	71.6	62	1.0	0.459	0.0
63	61	60	1.0	0.472	0.0	68.7	32.5	63.8	71.6	63	1.0	0.472	0.0
64	62	61	1.0	0.484	0.0	69.3	31.4	64.3	71.6	64	1.0	0.484	0.0
65	63	62	1.0	0.497	0.0	69.9	30.3	64.9	71.6	65	1.0	0.497	0.0
66	64	63	1.0	0.511	0.0	70.5	29.2	65.6	71.8	66	1.0	0.511	0.0
67	65	64	1.0	0.525	0.0	71.1	28.1	66.3	72.0	67	1.0	0.525	0.0
68	66	66	1.0	0.539	0.0	71.7	27.1	67.0	72.3	68	1.0	0.539	0.0
69	67	67	1.0	0.552	0.0	72.3	26.0	67.7	72.5	69	1.0	0.552	0.0
70	68	68	1.0	0.566	0.0	73.0	24.9	68.4	72.8	70	1.0	0.566	0.0
71	69	69	1.0	0.58	0.0	73.6	23.8	69.1	73.1	71	1.0	0.58	0.0
72	70	70	1.0	0.594	0.0	74.2	22.7	69.7	73.3	72	1.0	0.594	0.0
73	71	71	1.0	0.608	0.0	74.8	21.5	70.3	73.6	73	1.0	0.608	0.0
74	72	72	1.0	0.622	0.0	75.5	20.3	71.0	73.8	74	1.0	0.622	0.0
75	73	73	1.0	0.638	0.0	76.2	19.2	71.7	74.2	75	1.0	0.638	0.0
76	74	74	1.0	0.655	0.0	76.9	18.1	72.5	74.7	76	1.0	0.655	0.0
77	75	76	1.0	0.671	0.0	77.6	16.9	73.2	75.2	77	1.0	0.671	0.0

OE390-7N, Page of series 13/20, RX0, D50, XYZnw=3.4, 3.4, 2.8, 87.6, 91.1, 72.8, LAB*nw=21.7, 0.7, 0.6, 96.5, -0.4, 2.1, not adapted

TUB-test chart OE39; 48 and 360 step hue circles, Page 13/20
Data of Offset print ORS42_18_96, separation cmyn6*, D65 and D50

Output: Offset print ORS42_18_96; separation cmyn6*, D65 and D50, page 13/20

input: rgb^*_d set $rgbcolor$
output: $cmyn6^*_d = f_6(rgb^*_d)$

TUB registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

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TUV registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rh4ta

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours d: $h_{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

OE390-7N, Page of series 14/20, RX0, D50, XYZnw=3.4, 3.4, 2.8, 87.6, 91.1, 72.8, LAB*nw=21.7, 0.7, 0.6, 96.5, -0.4, 2.1, not adapted

Output: Offset print ORS42_18_96; separation cmyk6*, D65 and D50, page 14/20

TUB-test chart OE39; 48 and 360 step hue circles, Page 14/20

input: rqb^*_d setrgbcolor

Data of Offset print ORS42_18_96, separation *cmyn6**, D65 and D50

output: $cmyn6^*_d = f_6(rqb^*_d)$

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Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours d: $h_{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0$; Six hue angles of the elementary colours 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^*_d dd361Mi				LAB^*_d dd361Mix (x=LabCh)				rgb^*_s ds361Mi				LAB^*_s ds361Mix (x=LabCh)				rgb^*_s s50M				rgb^*_e de361Mi				LAB^*_e de361Mix (x=LabCh)				rgb^*_e e50M				rgb^*_d	rgb^*_s	rgb^*_e
122	120	127	0.374	1.0	0.0	68.7	-34.3	55.1	65.0	122	0.405	1.0	0.0	69.8	-32.6	56.7	65.4	120	0.5	1.0	0.0	0.332	1.0	0.0	66.5	-38.3	51.0	63.9	127	0.5	1.0	0.0					
123	121	128	0.366	1.0	0.0	68.2	-35.2	54.3	64.7	123	0.389	1.0	0.0	69.2	-33.5	55.9	65.2	121	0.483	1.0	0.0	0.323	1.0	0.0	66.1	-39.1	50.2	63.6	128	0.483	1.0	0.0					
124	122	130	0.357	1.0	0.0	67.8	-36.0	53.5	64.5	124	0.374	1.0	0.0	68.7	-34.3	55.1	65.0	122	0.467	1.0	0.0	0.306	1.0	0.0	65.3	-40.5	48.4	63.2	130	0.467	1.0	0.0					
125	123	131	0.349	1.0	0.0	67.4	-36.8	52.7	64.3	125	0.366	1.0	0.0	68.2	-35.2	54.3	64.7	123	0.45	1.0	0.0	0.298	1.0	0.0	64.8	-41.2	47.5	63.0	131	0.45	1.0	0.0					
126	124	132	0.34	1.0	0.0	67.0	-37.6	51.8	64.1	126	0.357	1.0	0.0	67.8	-36.0	53.5	64.5	124	0.433	1.0	0.0	0.289	1.0	0.0	64.4	-41.9	46.6	62.8	132	0.433	1.0	0.0					
127	125	133	0.332	1.0	0.0	66.5	-38.3	51.0	63.9	127	0.349	1.0	0.0	67.4	-36.8	52.7	64.3	125	0.417	1.0	0.0	0.281	1.0	0.0	64.0	-42.6	45.7	62.6	133	0.417	1.0	0.0					
128	126	134	0.323	1.0	0.0	66.1	-39.1	50.2	63.6	128	0.34	1.0	0.0	67.0	-37.6	51.8	64.1	126	0.4	1.0	0.0	0.272	1.0	0.0	63.6	-43.2	44.8	62.3	134	0.4	1.0	0.0					
129	127	135	0.315	1.0	0.0	65.7	-39.8	49.3	63.4	129	0.332	1.0	0.0	66.5	-38.3	51.0	63.9	127	0.383	1.0	0.0	0.264	1.0	0.0	63.1	-43.8	43.9	62.1	135	0.383	1.0	0.0					
130	128	137	0.306	1.0	0.0	65.3	-40.5	48.4	63.2	130	0.323	1.0	0.0	66.1	-39.1	50.2	63.6	128	0.367	1.0	0.0	0.245	1.0	0.0	62.3	-45.2	42.2	61.9	137	0.367	1.0	0.0					
131	129	138	0.298	1.0	0.0	64.8	-41.2	47.5	63.0	131	0.315	1.0	0.0	65.7	-39.8	49.3	63.4	129	0.35	1.0	0.0	0.23	1.0	0.0	61.9	-46.2	41.7	62.3	138	0.35	1.0	0.0					
132	130	139	0.289	1.0	0.0	64.4	-41.9	46.6	62.8	132	0.306	1.0	0.0	65.3	-40.5	48.4	63.2	130	0.333	1.0	0.0	0.216	1.0	0.0	61.5	-47.2	41.1	62.6	139	0.333	1.0	0.0					
133	131	140	0.281	1.0	0.0	64.0	-42.6	45.7	62.6	133	0.298	1.0	0.0	64.8	-41.2	47.5	63.0	131	0.317	1.0	0.0	0.201	1.0	0.0	61.1	-48.2	40.5	63.0	140	0.317	1.0	0.0					
134	132	141	0.272	1.0	0.0	63.6	-43.2	44.8	62.3	134	0.289	1.0	0.0	64.4	-41.9	46.6	62.8	132	0.3	1.0	0.0	0.187	1.0	0.0	60.7	-49.1	39.9	63.4	141	0.3	1.0	0.0					
135	133	142	0.264	1.0	0.0	63.1	-43.8	43.9	62.1	135	0.281	1.0	0.0	64.0	-42.6	45.7	62.6	133	0.283	1.0	0.0	0.172	1.0	0.0	60.3	-50.1	39.2	63.7	142	0.283	1.0	0.0					
136	134	144	0.255	1.0	0.0	62.7	-44.4	43.0	61.9	136	0.272	1.0	0.0	63.6	-43.2	44.8	62.3	134	0.267	1.0	0.0	0.143	1.0	0.0	59.5	-52.1	37.9	64.5	144	0.267	1.0	0.0					
137	135	145	0.245	1.0	0.0	62.3	-45.2	42.2	61.9	137	0.264	1.0	0.0	63.1	-43.8	43.9	62.1	135	0.25	1.0	0.0	0.129	1.0	0.0	59.1	-53.0	37.2	64.8	145	0.25	1.0	0.0					
138	136	146	0.23	1.0	0.0	61.9	-46.2	41.7	62.3	138	0.255	1.0	0.0	62.7	-44.4	43.0	61.9	136	0.233	1.0	0.0	0.113	1.0	0.0	58.6	-54.1	36.6	65.4	146	0.233	1.0	0.0					
139	137	147	0.216	1.0	0.0	61.5	-47.2	41.1	62.6	139	0.245	1.0	0.0	62.3	-45.2	42.2	61.9	137	0.217	1.0	0.0	0.098	1.0	0.0	58.2	-55.3	36.0	66.1	147	0.217	1.0	0.0					
140	138	148	0.201	1.0	0.0	61.1	-48.2	40.5	63.0	140	0.23	1.0	0.0	61.9	-46.2	41.7	62.3	138	0.2	1.0	0.0	0.082	1.0	0.0	57.7	-56.5	35.4	66.7	148	0.2	1.0	0.0					
141	139	149	0.187	1.0	0.0	60.7	-49.1	39.9	63.4	141	0.216	1.0	0.0	61.5	-47.2	41.1	62.6	139	0.183	1.0	0.0	0.067	1.0	0.0	57.3	-57.6	34.7	67.4	149	0.183	1.0	0.0					
142	140	151	0.172	1.0	0.0	60.3	-50.1	39.2	63.7	142	0.201	1.0	0.0	61.1	-48.2	40.5	63.0	140	0.167	1.0	0.0	0.036	1.0	0.0	56.3	-60.0	33.3	68.7	151	0.167	1.0	0.0					
143	141	152	0.158	1.0	0.0	59.9	-51.1	38.6	64.1	143	0.187	1.0	0.0	60.7	-49.1	39.9	63.4	141	0.15	1.0	0.0	0.02	1.0	0.0	55.9	-61.1	32.5	69.3	152	0.15	1.0	0.0					
144	142	153	0.143	1.0	0.0	59.5	-52.1	37.9	64.5	144	0.172	1.0	0.0	60.3	-50.1	39.2	63.7	142	0.133	1.0	0.0	0.005	1.0	0.0	55.4	-62.2	31.8	70.0	153	0.133	1.0	0.0					
145	143	154	0.129	1.0	0.0	59.1	-53.0	37.2	64.8	145	0.158	1.0	0.0	59.9	-51.1	38.6	64.1	143	0.117	1.0	0.0	0.0	1.0	0.012	55.3	-62.5	30.5	69.7	154	0.117	1.0	0.0					
146	144	155	0.113	1.0	0.0	58.6	-54.1	36.6	65.4	146	0.143	1.0	0.0	59.5	-52.1	37.9	64.5	144	0.1	1.0	0.0	0.0	1.0	0.029	55.4	-62.4	29.1	69.0	155	0.1	1.0	0.0					
147	145	156	0.098	1.0	0.0	58.2	-55.3	36.0	66.1	147	0.129	1.0	0.0	59.1	-53.0	37.2	64.8	145	0.083	1.0	0.0	0.0	1.0	0.046	55.5	-62.2	27.8	68.2	156	0.083	1.0	0.0					
148	146	158	0.082	1.0	0.0	57.7	-56.5	35.4	66.7	148	0.113	1.0	0.0	58.6	-54.1	36.6	65.4	146	0.067	1.0	0.0	0.0	1.0	0.079	55.7	-61.8	25.0	66.8	158	0.067	1.0	0.0					
149	147	159	0.067	1.0	0.0	57.3	-57.6	34.7	67.4	149	0.098	1.0	0.0	58.2	-55.3	36.0	66.1	147	0.05	1.0	0.0	0.0	1.0	0.096	55.8	-61.6	23.7	66.1	159	0.05	1.0	0.0					
150	148	160	0.051	1.0	0.0	56.8	-58.8	34.0	68.0	150	0.082	1.0	0.0	57.7	-56.5	35.4	66.7	148	0.033	1.0	0.0	0.0	1.0	0.113	55.9	-61.3	22.4	65.4	160	0.033	1.0	0.0					
151	149	161	0.036	1.0	0.0	56.3	-60.0	33.3	68.7	151	0.067	1.0	0.0	57.3	-57.6	34.7	67.4	149	0.017	1.0	0.0	0.0	1.0	0.129	56.0	-61.1	21.1	64.7	161	0.017	1.0	0.0					
152	150	162	0.02	1.0	0.0	55.9	-61.1	32.5	69.3	152	0.051	1.0	0.0	56.8	-58.8	34.0	68.0	150	0.0	1.0	0.006 _s	0.0	1.0	0.143	56.1	-60.9	19.8	64.2	162	0.0	1.0	0.006 _e					
153	151	163	0.005	1.0	0.0	55.4	-62.2	31.8	70.0	153	0.036	1.0	0.0	56.3	-60.0	33.3	68.7	151	0.0	1.0	0.017	0.0	1.0	0.157	56.1	-60.7	18.6	63.6	163	0.0	1.0	0.017					
154	152	164	0.0	1.0	0.012	55.3	-62.5	30.5	69.7	154	0.02	1.0	0.0	55.9	-61.1	32.5	69.3	152	0.0	1.0	0.033	0.0	1.0	0.17	56.2	-60.5	17.4	63.1	164	0.0	1.0	0.033					
155	153	165	0.0	1.0	0.029	55.4	-62.4	29.1	69.0	155	0.005	1.0	0.0	55.4	-62.2	31.8	70.0	153	0.0	1.0	0.05	0.0	1.0	0.184	56.3	-60.3	16.2	62.5	165	0.0	1.0	0.05					
156	154	166	0.0	1.0	0.046	55.5	-62.2	27.8	68.2	156	0.0	1.0	0.012	55.3	-62.5	30.5	69.7	154	0.0	1.0	0.067	0.0	1.0	0.198	56.4	-60.0	15.0	62.0	166	0.0	1.0	0.067					
157	155	167	0.0	1.0	0.062	55.6	-62.1	26.4	67.5	157	0.0	1.0	0.029	55.4	-62.4	29.1	69.0	155	0.0	1.0	0.083	0.0	1.0	0.211	56.5	-59.8	13.8	61.4	167	0.0	1.0	0.083					
158	156	168	0.0	1.0	0.079	55.7	-61.8	25.0	66.8	158	0.0	1.0	0.046	55.5	-62.2	27.8	68.2	156	0.0	1.0	0.1	0.0	1.0	0.225	56.6	-59.5	12.7	60.9	168	0.0	1.0	0.1					
159	157	169	0.0	1.0	0.096	55.8	-61.6	23.7	66.1	159	0.0	1.0	0.062	55.6	-62.1	26.4	67.5	157	0.0	1.0	0.117	0.0	1.0	0.239	56.7	-59.1	11.5	60.3	169	0.0	1.0	0.117					
160	158	170	0.0	1.0	0.113	55.9	-61.3	22.4	65.4	160	0.0	1.0	0.079	55.7	-61.8	25.0	66.8	158	0.0	1.0	0.133	0.0	1.0	0.252	56.7	-58.8	10.4	59.8	170	0.0	1.0	0.133					
161	159	170	0.0	1.0	0.129	56.0	-61.1	21.1	64.7	161	0.0	1.0	0.096	55.8	-61.6	23.7	66.1	159	0.0	1.0	0.15	0.0	1.0	0.252	56.7	-58.8	10.4	59.8	170	0.0	1.0	0.15					
162	160	171	0.0	1.0																																	

OE390-7N, Page of series 15/20, RX0, D50, XYZnw=3.4, 3.4, 2.8, 87.6, 91.1, 72.8, LAB*nw=21.7, 0.7, 0.6, 96.5, -0.4, 2.1, not adapted

Output: Offset print ORS42_18_96; separation cmyn6*, D65 and D50, page 15/20

TUB-test chart OE39; 48 and 360 step hue circles, Page 15/20
Data of Offset print ORS42_18_96, separation cmyn6*, D65 and D50

input: rgb^*_d set $rgbcolor$
output: $cmyn6^*_d = f_6(rgb^*_d)$

TUB registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

See original or copy: <http://web.me.com/klaus.richter/OE39/OE39L0NP.PDF> /.PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																							
Six hue angles of the device colours d: $h_{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																							
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$	$LAB^*_{dd361Mix}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mix}(x=LabCh)$	rgb^*_{s50M}	$rgb^*_{de361Mi}$	$LAB^*_{de361Mix}(x=LabCh)$	rgb^*_{e50M}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}										
167	165	176	0.0	1.0	0.211	56.5	-59.8	13.8	61.4	167	0.0	1.0	0.25										
168	166	177	0.0	1.0	0.225	56.6	-59.5	12.7	60.9	168	0.0	1.0	0.267										
169	167	178	0.0	1.0	0.239	56.7	-59.1	11.5	60.3	169	0.0	1.0	0.283										
170	168	179	0.0	1.0	0.252	56.7	-58.8	10.4	59.8	170	0.0	1.0	0.3										
171	169	180	0.0	1.0	0.262	56.8	-58.7	9.3	59.5	171	0.0	1.0	0.317										
172	170	180	0.0	1.0	0.273	56.9	-58.5	8.2	59.1	172	0.0	1.0	0.333										
173	171	181	0.0	1.0	0.283	57.0	-58.3	7.2	58.8	173	0.0	1.0	0.35										
174	172	182	0.0	1.0	0.294	57.1	-58.0	6.1	58.5	174	0.0	1.0	0.367										
175	173	183	0.0	1.0	0.304	57.1	-57.8	5.1	58.1	175	0.0	1.0	0.383										
176	174	184	0.0	1.0	0.314	57.2	-57.5	4.0	57.8	176	0.0	1.0	0.4										
177	175	185	0.0	1.0	0.325	57.3	-57.2	3.0	57.4	177	0.0	1.0	0.417										
178	176	186	0.0	1.0	0.335	57.4	-56.9	2.0	57.1	178	0.0	1.0	0.433										
179	177	187	0.0	1.0	0.346	57.4	-56.6	1.0	56.7	179	0.0	1.0	0.45										
180	178	188	0.0	1.0	0.356	57.5	-56.3	0.0	56.4	180	0.0	1.0	0.467										
181	179	189	0.0	1.0	0.367	57.6	-55.9	-0.9	56.0	181	0.0	1.0	0.483										
182	180	190	0.0	1.0	0.377	57.7	-55.6	-1.8	55.7	182	0.0	1.0	0.5										
183	181	191	0.0	1.0	0.39	57.7	-55.4	-2.8	55.6	183	0.0	1.0	0.517										
184	182	191	0.0	1.0	0.402	57.8	-55.2	-3.8	55.4	184	0.0	1.0	0.533										
185	183	192	0.0	1.0	0.414	57.9	-55.0	-4.7	55.3	185	0.0	1.0	0.55										
186	184	193	0.0	1.0	0.427	58.0	-54.7	-5.7	55.1	186	0.0	1.0	0.567										
187	185	194	0.0	1.0	0.439	58.0	-54.4	-6.6	55.0	187	0.0	1.0	0.583										
188	186	195	0.0	1.0	0.451	58.1	-54.2	-7.5	54.8	188	0.0	1.0	0.6										
189	187	196	0.0	1.0	0.464	58.2	-53.9	-8.4	54.6	189	0.0	1.0	0.617										
190	188	197	0.0	1.0	0.476	58.3	-53.6	-9.4	54.5	190	0.0	1.0	0.633										
191	189	198	0.0	1.0	0.488	58.3	-53.2	-10.3	54.3	191	0.0	1.0	0.65										
192	190	199	0.0	1.0	0.501	58.4	-52.9	-11.2	54.2	192	0.0	1.0	0.667										
193	191	200	0.0	1.0	0.512	58.5	-52.7	-12.1	54.2	193	0.0	1.0	0.683										
194	192	201	0.0	1.0	0.524	58.5	-52.5	-13.0	54.2	194	0.0	1.0	0.7										
195	193	201	0.0	1.0	0.536	58.5	-52.2	-13.9	54.2	195	0.0	1.0	0.717										
196	194	202	0.0	1.0	0.548	58.6	-52.0	-14.8	54.2	196	0.0	1.0	0.733										
197	195	203	0.0	1.0	0.56	58.6	-51.7	-15.7	54.2	197	0.0	1.0	0.75										
198	196	204	0.0	1.0	0.572	58.7	-51.4	-16.6	54.2	198	0.0	1.0	0.767										
199	197	205	0.0	1.0	0.583	58.7	-51.1	-17.5	54.2	199	0.0	1.0	0.783										
200	198	206	0.0	1.0	0.595	58.8	-50.8	-18.4	54.2	200	0.0	1.0	0.8										
201	199	207	0.0	1.0	0.607	58.8	-50.5	-19.3	54.2	201	0.0	1.0	0.817										
202	200	208	0.0	1.0	0.619	58.9	-50.1	-20.2	54.2	202	0.0	1.0	0.833										
203	201	209	0.0	1.0	0.631	58.9	-49.8	-21.1	54.2	203	0.0	1.0	0.85										
204	202	210	0.0	1.0	0.644	59.0	-49.5	-22.0	54.3	204	0.0	1.0	0.867										
205	203	211	0.0	1.0	0.656	59.1	-49.2	-22.9	54.4	205	0.0	1.0	0.883										
206	204	212	0.0	1.0	0.669	59.2	-48.9	-23.8	54.5	206	0.0	1.0	0.9										
207	205	212	0.0	1.0	0.681	59.2	-48.6	-24.7	54.6	207	0.0	1.0	0.917										
208	206	213	0.0	1.0	0.694	59.3	-48.2	-25.6	54.7	208	0.0	1.0	0.933										
209	207	214	0.0	1.0	0.707	59.4	-47.8	-26.5	54.8	209	0.0	1.0	0.95										
210	208	215	0.0	1.0	0.719	59.5	-47.4	-27.3	54.9	210	0.0	1.0	0.967										
211	209	216	0.0	1.0	0.732	59.5	-47.0	-28.2	55.0	211	0.0	1.0	0.983										
212	210	217	0.0	1.0	0.744	59.6	-46.6	-29.1	55.1	212	0.0	1.0	1.0C _s										
													1.0C _e										

OE390-7N, Page of series 16/20, RX0, D50, XYZnw=3.4, 3.4, 2.8, 87.6, 91.1, 72.8, LAB*_{nw}=21.7, 0.7, 0.6, 96.5, -0.4, 2.1, not adapted

Output: Offset print ORS42_18_96; separation cmyn6*, D65 and D50, page 16/20

TUB-test chart OE39; 48 and 360 step hue circles, Page 16/20
Data of Offset print ORS42_18_96, separation cmyn6*, D65 and D50

input: rgb^*_d set $rgbcolor$
output: $cmyn6^*_d = f_6(rgb^*_d)$

TUB registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

See original or copy: <http://web.me.com/klaus.richter/OE39/OE39L0NP.PDF> /.PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																								Six hue angles of the device colours d: $h_{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0$; Six hue angles of the elementary colours 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^*_d	$dd361Mi$	LAB^*_d	$dd361Mix$	rgb^*_d	$ds361Mi$	LAB^*_d	$ds361Mix$	rgb^*_s	$s50M$	rgb^*_d	$de361Mi$	LAB^*_d	$de361Mix$	rgb^*_e	$e50M$	rgb^*_d	$dd361Mi$	LAB^*_d	$de361Mix$	rgb^*_e	$e50M$												
212	210	217	0.0	1.0	0.744	59.6	-46.6	-29.1	55.1	212	0.0	1.0	0.719	59.5	-47.4	-27.3	54.9	210	0.0	1.0	1.0	C_s	0.0	1.0	0.819	60.2	-44.6	-33.6	56.0	217	0.0	1.0	1.0	C_e		
213	211	218	0.0	1.0	0.758	59.7	-46.2	-30.0	55.2	213	0.0	1.0	0.732	59.5	-47.0	-28.2	55.0	211	0.0	0.983	1.0		0.0	1.0	0.834	60.3	-44.2	-34.5	56.2	218	0.0	1.0	0.983	1.0		
214	212	219	0.0	1.0	0.774	59.8	-45.8	-30.9	55.4	214	0.0	1.0	0.744	59.6	-46.6	-29.1	55.1	212	0.0	0.967	1.0		0.0	1.0	0.85	60.4	-43.7	-35.4	56.4	219	0.0	0.967	1.0			
215	213	220	0.0	1.0	0.789	59.9	-45.4	-31.8	55.6	215	0.0	1.0	0.758	59.7	-46.2	-30.0	55.2	213	0.0	0.95	1.0		0.0	1.0	0.865	60.5	-43.2	-36.2	56.5	220	0.0	0.95	1.0			
216	214	221	0.0	1.0	0.804	60.1	-45.0	-32.7	55.8	216	0.0	1.0	0.774	59.8	-45.8	-30.9	55.4	214	0.0	0.933	1.0		0.0	1.0	0.88	60.6	-42.7	-37.1	56.8	221	0.0	0.933	1.0			
217	215	222	0.0	1.0	0.819	60.2	-44.6	-33.6	56.0	217	0.0	1.0	0.789	59.9	-45.4	-31.8	55.6	215	0.0	0.917	1.0		0.0	1.0	0.894	60.7	-42.3	-38.1	57.1	222	0.0	0.917	1.0			
218	216	222	0.0	1.0	0.834	60.3	-44.2	-34.5	56.2	218	0.0	1.0	0.804	60.1	-45.0	-32.7	55.8	216	0.0	0.9	1.0		0.0	1.0	0.894	60.7	-42.3	-38.1	57.1	222	0.0	0.9	1.0			
219	217	223	0.0	1.0	0.85	60.4	-43.7	-35.4	56.4	219	0.0	1.0	0.819	60.2	-44.6	-33.6	56.0	217	0.0	0.883	1.0		0.0	1.0	0.909	60.8	-41.9	-39.1	57.4	223	0.0	0.883	1.0			
220	218	224	0.0	1.0	0.865	60.5	-43.2	-36.2	56.5	220	0.0	1.0	0.834	60.3	-44.2	-34.5	56.2	218	0.0	0.867	1.0		0.0	1.0	0.924	60.9	-41.4	-40.0	57.7	224	0.0	0.867	1.0			
221	219	225	0.0	1.0	0.88	60.6	-42.7	-37.1	56.8	221	0.0	1.0	0.85	60.4	-43.7	-35.4	56.4	219	0.0	0.85	1.0		0.0	1.0	0.938	61.0	-40.9	-40.9	58.1	225	0.0	0.85	1.0			
222	220	226	0.0	1.0	0.894	60.7	-42.3	-38.1	57.1	222	0.0	1.0	0.865	60.5	-43.2	-36.2	56.5	220	0.0	0.833	1.0		0.0	1.0	0.953	61.1	-40.4	-41.9	58.4	226	0.0	0.833	1.0			
223	221	227	0.0	1.0	0.909	60.8	-41.9	-39.1	57.4	223	0.0	1.0	0.88	60.6	-42.7	-37.1	56.8	221	0.0	0.817	1.0		0.0	1.0	0.967	61.2	-39.9	-42.8	58.7	227	0.0	0.817	1.0			
224	222	228	0.0	1.0	0.924	60.9	-41.4	-40.0	57.7	224	0.0	1.0	0.894	60.7	-42.3	-38.1	57.1	222	0.0	0.8	1.0		0.0	1.0	0.982	61.3	-39.4	-43.8	59.0	228	0.0	0.8	1.0			
225	223	229	0.0	1.0	0.938	61.0	-40.9	-40.9	58.1	225	0.0	1.0	0.909	60.8	-41.9	-39.1	57.4	223	0.0	0.783	1.0		0.0	1.0	0.996	61.3	-38.8	-44.7	59.3	229	0.0	0.783	1.0			
226	224	230	0.0	1.0	0.953	61.1	-40.4	-41.9	58.4	226	0.0	1.0	0.924	60.9	-41.4	-40.0	57.7	224	0.0	0.767	1.0		0.0	1.0	0.981	1.0	60.8	-37.8	-45.0	58.9	230	0.0	0.767	1.0		
227	225	231	0.0	1.0	0.967	61.2	-39.9	-42.8	58.7	227	0.0	1.0	0.938	61.0	-40.9	-40.9	58.1	225	0.0	0.75	1.0		0.0	1.0	0.955	1.0	59.9	-36.6	-45.2	58.3	231	0.0	0.75	1.0		
228	226	232	0.0	1.0	0.982	61.3	-39.4	-43.8	59.0	228	0.0	1.0	0.953	61.1	-40.4	-41.9	58.4	226	0.0	0.733	1.0		0.0	1.0	0.93	1.0	59.1	-35.4	-45.3	57.6	232	0.0	0.733	1.0		
229	227	232	0.0	1.0	0.996	61.3	-38.8	-44.7	59.3	229	0.0	1.0	0.967	61.2	-39.9	-42.8	58.7	227	0.0	0.717	1.0		0.0	1.0	0.93	1.0	59.1	-35.4	-45.3	57.6	232	0.0	0.717	1.0		
230	228	233	0.0	0.981	1.0	60.8	-37.8	-45.0	58.9	230	0.0	1.0	0.982	61.3	-39.4	-43.8	59.0	228	0.0	0.7	1.0		0.0	1.0	0.904	1.0	58.3	-34.2	-45.4	56.9	233	0.0	0.7	1.0		
231	229	234	0.0	0.955	1.0	59.9	-36.6	-45.2	58.3	231	0.0	1.0	0.996	61.3	-38.8	-44.7	59.3	229	0.0	0.683	1.0		0.0	1.0	0.879	1.0	57.5	-33.0	-45.4	56.3	234	0.0	0.683	1.0		
232	230	235	0.0	0.93	1.0	59.1	-35.4	-45.3	57.6	232	0.0	0.981	1.0	60.8	-37.8	-45.0	58.9	230	0.0	0.667	1.0		0.0	1.0	0.854	1.0	56.7	-31.8	-45.5	55.7	235	0.0	0.667	1.0		
233	231	236	0.0	0.904	1.0	58.3	-34.2	-45.4	56.9	233	0.0	0.955	1.0	59.9	-36.6	-45.2	58.3	231	0.0	0.65	1.0		0.0	1.0	0.828	1.0	56.0	-30.7	-45.6	55.1	236	0.0	0.65	1.0		
234	232	237	0.0	0.879	1.0	57.5	-33.0	-45.4	56.3	234	0.0	0.93	1.0	59.1	-35.4	-45.3	57.6	232	0.0	0.633	1.0		0.0	1.0	0.803	1.0	55.3	-29.6	-45.6	54.5	237	0.0	0.633	1.0		
235	233	238	0.0	0.854	1.0	56.7	-31.8	-45.5	55.7	235	0.0	0.904	1.0	58.3	-34.2	-45.4	56.9	233	0.0	0.617	1.0		0.0	1.0	0.778	1.0	54.6	-28.5	-45.6	53.9	238	0.0	0.617	1.0		
236	234	239	0.0	0.828	1.0	56.0	-30.7	-45.6	55.1	236	0.0	0.879	1.0	57.5	-33.0	-45.4	56.3	234	0.0	0.6	1.0		0.0	1.0	0.753	1.0	53.8	-27.4	-45.6	53.3	239	0.0	0.6	1.0		
237	235	240	0.0	0.803	1.0	55.3	-29.6	-45.6	54.5	237	0.0	0.854	1.0	56.7	-31.8	-45.5	55.7	235	0.0	0.583	1.0		0.0	1.0	0.735	1.0	53.1	-26.4	-45.7	52.9	240	0.0	0.583	1.0		
238	236	241	0.0	0.778	1.0	54.6	-28.5	-45.6	53.9	238	0.0	0.828	1.0	56.0	-30.7	-45.6	55.1	236	0.0	0.567	1.0		0.0	1.0	0.717	1.0	52.5	-25.4	-45.8	52.5	241	0.0	0.567	1.0		
239	237	242	0.0	0.753	1.0	53.8	-27.4	-45.6	53.3	239	0.0	0.803	1.0	55.3	-29.6	-45.6	54.5	237	0.0	0.55	1.0		0.0	1.0	0.699	1.0	51.8	-24.4	-45.9	52.1	242	0.0	0.55	1.0		
240	238	243	0.0	0.735	1.0	53.1	-26.4	-45.7	52.9	240	0.0	0.778	1.0	54.6	-28.5	-45.6	53.9	238	0.0	0.533	1.0		0.0	1.0	0.681	1.0	51.1	-23.4	-46.0	51.7	243	0.0	0.533	1.0		
241	239	243	0.0	0.717	1.0	52.5	-25.4	-45.8	52.5	241	0.0	0.753	1.0	53.8	-27.4	-45.6	53.3	239	0.0	0.517	1.0		0.0	1.0	0.681	1.0	51.1	-23.4	-46.0	51.7	243	0.0	0.517	1.0		
242	240	244	0.0	0.699	1.0	51.8	-24.4	-45.9	52.1	242	0.0	0.735	1.0	53.1	-26.4	-45.7	52.9	240	0.0	0.5	1.0		0.0	1.0	0.664	1.0	50.4	-22.4	-46.0	51.3	244	0.0	0.5	1.0		
243	241	245	0.0	0.681	1.0	51.1	-23.4	-46.0	51.7	243	0.0	0.717	1.0	52.5	-25.4	-45.8	52.5	241	0.0	0.483	1.0		0.0	1.0	0.646	1.0	49.7	-21.4	-46.1	50.9	245	0.0	0.483	1.0		
244	242	246	0.0	0.664	1.0	50.4	-22.4	-46.0	51.3	244	0.0	0.699	1.0	51.8	-24.4	-45.9	52.1	242	0.0	0.467	1.0		0.0	1.0	0.628	1.0	49.1	-20.5	-46.1	50.6	246	0.0	0.467	1.0		
245	243	247	0.0	0.646	1.0	49.7	-21.4	-46.1	50.9	245	0.0	0.681	1.0	51.1	-23.4	-46.0	51.7	243	0.0	0.45	1.0		0.0	1.0	0.612	1.0	48.5	-19.5	-46.2	50.3	247	0.0	0.45	1.0		
246	244	248	0.0	0.628	1.0	49.1	-20.5	-46.1	50.6	246	0.0	0.664	1.0	50.4	-22.4	-46.0	51.3	244	0.0	0.433	1.0															

OE390-7N, Page of series 17/20, RX0, D50, XYZnw=3.4, 3.4, 2.8, 87.6, 91.1, 72.8, LAB*_{nw}=21.7, 0.7, 0.6, 96.5, -0.4, 2.1, not adapted

Output: Offset print ORS42_18_96; separation cmyn6*, D65 and D50, page 17/20

TUB-test chart OE39; 48 and 360 step hue circles, Page 17/20
Data of Offset print ORS42_18_96, separation cmyn6*, D65 and D50

input: rgb^*_d set $rgbcOLOR$
output: $cmyn6^*_d = f_6(rgb^*_d)$

TUB registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours d: $h_{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0$; Six hue angles of the elementary colours 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^*_d	$dd361Mi$	LAB^*_d	$dd361Mix$ (x=LabCh)	rgb^*_s	$ds361Mi$	LAB^*_s	$ds361Mix$ (x=LabCh)	rgb^*_s	$s50M$	rgb^*_e	$de361Mi$	LAB^*_e	$de361Mix$ (x=LabCh)	rgb^*_e	$e50M$	rgb^*_d	rgb^*_s	rgb^*_e					
257	255	258	0.0	0.465	1.0	43.0 -10.7 -46.7 48.0	257	0.0	0.49	1.0	43.9 -12.4 -46.6 48.4	255	0.0	0.25	1.0	0.0	0.452	1.0	42.5 -9.9 -46.7 47.9	258	0.0	0.25	1.0			
258	256	259	0.0	0.452	1.0	42.5 -9.9 -46.7 47.9	258	0.0	0.477	1.0	43.5 -11.6 -46.7 48.2	256	0.0	0.233	1.0	0.0	0.44	1.0	42.0 -9.0 -46.7 47.7	259	0.0	0.233	1.0			
259	257	260	0.0	0.44	1.0	42.0 -9.0 -46.7 47.7	259	0.0	0.465	1.0	43.0 -10.7 -46.7 48.0	257	0.0	0.217	1.0	0.0	0.427	1.0	41.6 -8.2 -46.7 47.5	260	0.0	0.217	1.0			
260	258	261	0.0	0.427	1.0	41.6 -8.2 -46.7 47.5	260	0.0	0.452	1.0	42.5 -9.9 -46.7 47.9	258	0.0	0.2	1.0	0.0	0.415	1.0	41.1 -7.3 -46.7 47.4	261	0.0	0.2	1.0			
261	259	262	0.0	0.415	1.0	41.1 -7.3 -46.7 47.4	261	0.0	0.44	1.0	42.0 -9.0 -46.7 47.7	259	0.0	0.183	1.0	0.0	0.402	1.0	40.6 -6.5 -46.6 47.2	262	0.0	0.183	1.0			
262	260	263	0.0	0.402	1.0	40.6 -6.5 -46.6 47.2	262	0.0	0.427	1.0	41.6 -8.2 -46.7 47.5	260	0.0	0.167	1.0	0.0	0.39	1.0	40.1 -5.6 -46.6 47.0	263	0.0	0.167	1.0			
263	261	264	0.0	0.39	1.0	40.1 -5.6 -46.6 47.0	263	0.0	0.415	1.0	41.1 -7.3 -46.7 47.4	261	0.0	0.15	1.0	0.0	0.377	1.0	39.7 -4.8 -46.5 46.9	264	0.0	0.15	1.0			
264	262	264	0.0	0.377	1.0	39.7 -4.8 -46.5 46.9	264	0.0	0.402	1.0	40.6 -6.5 -46.6 47.2	262	0.0	0.133	1.0	0.0	0.377	1.0	39.7 -4.8 -46.5 46.9	264	0.0	0.133	1.0			
265	263	265	0.0	0.364	1.0	39.2 -4.0 -46.6 46.9	265	0.0	0.39	1.0	40.1 -5.6 -46.6 47.0	263	0.0	0.117	1.0	0.0	0.364	1.0	39.2 -4.0 -46.6 46.9	265	0.0	0.117	1.0			
266	264	266	0.0	0.35	1.0	38.8 -3.2 -46.7 46.9	266	0.0	0.377	1.0	39.7 -4.8 -46.5 46.9	264	0.0	0.1	1.0	0.0	0.35	1.0	38.8 -3.2 -46.7 46.9	266	0.0	0.1	1.0			
267	265	267	0.0	0.336	1.0	38.3 -2.4 -46.8 47.0	267	0.0	0.364	1.0	39.2 -4.0 -46.6 46.9	265	0.0	0.083	1.0	0.0	0.336	1.0	38.3 -2.4 -46.8 47.0	267	0.0	0.083	1.0			
268	266	268	0.0	0.322	1.0	37.8 -1.5 -46.9 47.0	268	0.0	0.35	1.0	38.8 -3.2 -46.7 46.9	266	0.0	0.067	1.0	0.0	0.322	1.0	37.8 -1.5 -46.9 47.0	268	0.0	0.067	1.0			
269	267	269	0.0	0.309	1.0	37.4 -0.7 -46.9 47.0	269	0.0	0.336	1.0	38.3 -2.4 -46.8 47.0	267	0.0	0.05	1.0	0.0	0.309	1.0	37.4 -0.7 -46.9 47.0	269	0.0	0.05	1.0			
270	268	270	0.0	0.295	1.0	36.9 0.0 -47.0 47.1	270	0.0	0.322	1.0	37.8 -1.5 -46.9 47.0	268	0.0	0.033	1.0	0.0	0.295	1.0	36.9 0.0 -47.0 47.1	270	0.0	0.033	1.0			
271	269	271	0.0	0.281	1.0	36.5 0.8 -47.0 47.1	271	0.0	0.309	1.0	37.4 -0.7 -46.9 47.0	269	0.0	0.017	1.0	0.0	0.281	1.0	36.5 0.8 -47.0 47.1	271	0.0	0.017	1.0			
272	270	272	0.0	0.267	1.0	36.0 1.6 -47.1 47.2	272	0.0	0.295	1.0	36.9 0.0 -47.0 47.1	270	0.0	0.0	1.0B _s	0.0	0.267	1.0	36.0 1.6 -47.1 47.2	272	0.0	0.0	1.0B _e			
273	271	273	0.0	0.253	1.0	35.6 2.5 -47.1 47.2	273	0.0	0.281	1.0	36.5 0.8 -47.0 47.1	271	0.017	0.0	1.0	0.0	0.253	1.0	35.6 2.5 -47.1 47.2	273	0.017	0.0	1.0			
274	272	274	0.0	0.24	1.0	35.1 3.3 -47.2 47.4	274	0.0	0.267	1.0	36.0 1.6 -47.1 47.2	272	0.033	0.0	1.0	0.0	0.24	1.0	35.1 3.3 -47.2 47.4	274	0.033	0.0	1.0			
275	273	275	0.0	0.227	1.0	34.6 4.1 -47.3 47.5	275	0.0	0.253	1.0	35.6 2.5 -47.1 47.2	273	0.05	0.0	1.0	0.0	0.227	1.0	34.6 4.1 -47.3 47.5	275	0.05	0.0	1.0			
276	274	276	0.0	0.214	1.0	34.2 5.0 -47.3 47.7	276	0.0	0.24	1.0	35.1 3.3 -47.2 47.4	274	0.067	0.0	1.0	0.0	0.214	1.0	34.2 5.0 -47.3 47.7	276	0.067	0.0	1.0			
277	275	276	0.0	0.2	1.0	33.7 5.8 -47.4 47.9	277	0.0	0.227	1.0	34.6 4.1 -47.3 47.5	275	0.083	0.0	1.0	0.0	0.214	1.0	34.2 5.0 -47.3 47.7	276	0.083	0.0	1.0			
278	276	277	0.0	0.187	1.0	33.2 6.7 -47.5 48.0	278	0.0	0.214	1.0	34.2 5.0 -47.3 47.7	276	0.1	0.0	1.0	0.0	0.2	1.0	33.7 5.8 -47.4 47.9	277	0.1	0.0	1.0			
279	277	278	0.0	0.174	1.0	32.8 7.5 -47.5 48.2	279	0.0	0.2	1.0	33.7 5.8 -47.4 47.9	277	0.117	0.0	1.0	0.0	0.187	1.0	33.2 6.7 -47.5 48.0	278	0.117	0.0	1.0			
280	278	279	0.0	0.161	1.0	32.3 8.4 -47.5 48.4	280	0.0	0.187	1.0	33.2 6.7 -47.5 48.0	278	0.133	0.0	1.0	0.0	0.174	1.0	32.8 7.5 -47.5 48.2	279	0.133	0.0	1.0			
281	279	280	0.0	0.148	1.0	31.9 9.3 -47.5 48.5	281	0.0	0.174	1.0	32.8 7.5 -47.5 48.2	279	0.15	0.0	1.0	0.0	0.161	1.0	32.3 8.4 -47.5 48.4	280	0.15	0.0	1.0			
282	280	281	0.0	0.134	1.0	31.4 10.1 -47.5 48.7	282	0.0	0.161	1.0	32.3 8.4 -47.5 48.4	280	0.167	0.0	1.0	0.0	0.148	1.0	31.9 9.3 -47.5 48.5	281	0.167	0.0	1.0			
283	281	282	0.0	0.121	1.0	30.9 11.0 -47.5 48.9	283	0.0	0.148	1.0	31.9 9.3 -47.5 48.5	281	0.183	0.0	1.0	0.0	0.134	1.0	31.4 10.1 -47.5 48.7	282	0.183	0.0	1.0			
284	282	283	0.0	0.109	1.0	30.5 11.9 -47.6 49.1	284	0.0	0.134	1.0	31.4 10.1 -47.5 48.7	282	0.2	0.0	1.0	0.0	0.121	1.0	30.9 11.0 -47.5 48.9	283	0.2	0.0	1.0			
285	283	284	0.0	0.097	1.0	30.1 12.8 -47.6 49.4	285	0.0	0.121	1.0	30.9 11.0 -47.5 48.9	283	0.217	0.0	1.0	0.0	0.109	1.0	30.5 11.9 -47.6 49.1	284	0.217	0.0	1.0			
286	284	285	0.0	0.085	1.0	29.7 13.7 -47.6 49.6	286	0.0	0.109	1.0	30.5 11.9 -47.6 49.1	284	0.233	0.0	1.0	0.0	0.097	1.0	30.1 12.8 -47.6 49.4	285	0.233	0.0	1.0			
287	285	286	0.0	0.072	1.0	29.3 14.6 -47.6 49.9	287	0.0	0.097	1.0	30.1 12.8 -47.6 49.4	285	0.25	0.0	1.0	0.0	0.085	1.0	29.7 13.7 -47.6 49.6	286	0.25	0.0	1.0			
288	286	287	0.0	0.06	1.0	28.8 15.5 -47.6 50.1	288	0.0	0.085	1.0	29.7 13.7 -47.6 49.6	286	0.267	0.0	1.0	0.0	0.072	1.0	29.3 14.6 -47.6 49.9	287	0.267	0.0	1.0			
289	287	288	0.0	0.048	1.0	28.4 16.4 -47.5 50.4	289	0.0	0.072	1.0	29.3 14.6 -47.6 49.9	287	0.283	0.0	1.0	0.0	0.06	1.0	28.8 15.5 -47.6 50.1	288	0.283	0.0	1.0			
290	288	289	0.0	0.036	1.0	28.0 17.3 -47.5 50.6	290	0.0	0.06	1.0	28.8 15.5 -47.6 50.1	288	0.3	0.0	1.0	0.0	0.048	1.0	28.4 16.4 -47.5 50.4	289	0.3	0.0	1.0			
291	289	290	0.0	0.023	1.0	27.6 18.2 -47.4 50.9	291	0.0	0.048	1.0	28.4 16.4 -47.5 50.4	289	0.317	0.0	1.0	0.0	0.036	1.0	28.0 17.3 -47.5 50.6	290	0.317	0.0	1.0			
292	290	291	0.0	0.011	1.0	27.2 19.2 -47.3 51.1	292B _d	0.0	0.036	1.0	28.0 17.3 -47.5 50.6	290	0.333	0.0	1.0	0.0	0.023	1.0	27.6 18.2 -47.4 50.9	291	0.333	0.0	1.0			
293	291	292	0.001	0.0	1.0	26.8 20.1 -47.2 51.4	293	0.0	0.023	1.0	27.6 18.2 -47.4 50.9	291														

See original or copy: <http://web.me.com/klaus.richter/OE39/OE39L0NP.PDF> /.PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours d: $h_{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$	$LAB^*_{dd361Mix}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mix}(x=LabCh)$	rgb^*_{s50M}	$rgb^*_{de361Mi}$	$LAB^*_{de361Mix}(x=LabCh)$	rgb^*_{e50M}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
302	300	300	0.093 0.0 1.0	28.6 27.3 -43.6 51.6 302	0.072 0.0 1.0	28.2 25.8 -44.5 51.5 300	0.5 0.0 1.0	0.072 0.0 1.0	28.2 25.8 -44.5 51.5 300	0.5 0.0 1.0			
303	301	301	0.103 0.0 1.0	28.8 28.1 -43.2 51.6 303	0.083 0.0 1.0	28.4 26.5 -44.1 51.5 301	0.517 0.0 1.0	0.083 0.0 1.0	28.4 26.5 -44.1 51.5 301	0.517 0.0 1.0			
304	302	302	0.113 0.0 1.0	29.0 28.9 -42.7 51.6 304	0.093 0.0 1.0	28.6 27.3 -43.6 51.6 302	0.533 0.0 1.0	0.093 0.0 1.0	28.6 27.3 -43.6 51.6 302	0.533 0.0 1.0			
305	303	303	0.123 0.0 1.0	29.2 29.6 -42.2 51.6 305	0.103 0.0 1.0	28.8 28.1 -43.2 51.6 303	0.55 0.0 1.0	0.103 0.0 1.0	28.8 28.1 -43.2 51.6 303	0.55 0.0 1.0			
306	304	304	0.135 0.0 1.0	29.4 30.4 -41.7 51.7 306	0.113 0.0 1.0	29.0 28.9 -42.7 51.6 304	0.567 0.0 1.0	0.113 0.0 1.0	29.0 28.9 -42.7 51.6 304	0.567 0.0 1.0			
307	305	305	0.148 0.0 1.0	29.6 31.2 -41.3 51.8 307	0.123 0.0 1.0	29.2 29.6 -42.2 51.6 305	0.583 0.0 1.0	0.123 0.0 1.0	29.2 29.6 -42.2 51.6 305	0.583 0.0 1.0			
308	306	306	0.16 0.0 1.0	29.8 31.9 -40.8 51.9 308	0.135 0.0 1.0	29.4 30.4 -41.7 51.7 306	0.6 0.0 1.0	0.135 0.0 1.0	29.4 30.4 -41.7 51.7 306	0.6 0.0 1.0			
309	307	307	0.172 0.0 1.0	30.0 32.7 -40.3 51.9 309	0.148 0.0 1.0	29.6 31.2 -41.3 51.8 307	0.617 0.0 1.0	0.148 0.0 1.0	29.6 31.2 -41.3 51.8 307	0.617 0.0 1.0			
310	308	308	0.184 0.0 1.0	30.2 33.4 -39.7 52.0 310	0.16 0.0 1.0	29.8 31.9 -40.8 51.9 308	0.633 0.0 1.0	0.16 0.0 1.0	29.8 31.9 -40.8 51.9 308	0.633 0.0 1.0			
311	309	309	0.197 0.0 1.0	30.4 34.2 -39.2 52.1 311	0.172 0.0 1.0	30.0 32.7 -40.3 51.9 309	0.65 0.0 1.0	0.172 0.0 1.0	30.0 32.7 -40.3 51.9 309	0.65 0.0 1.0			
312	310	310	0.209 0.0 1.0	30.7 34.9 -38.7 52.2 312	0.184 0.0 1.0	30.2 33.4 -39.7 52.0 310	0.667 0.0 1.0	0.184 0.0 1.0	30.2 33.4 -39.7 52.0 310	0.667 0.0 1.0			
313	311	311	0.221 0.0 1.0	30.9 35.6 -38.1 52.2 313	0.197 0.0 1.0	30.4 34.2 -39.2 52.1 311	0.683 0.0 1.0	0.197 0.0 1.0	30.4 34.2 -39.2 52.1 311	0.683 0.0 1.0			
314	312	312	0.234 0.0 1.0	31.1 36.3 -37.5 52.3 314	0.209 0.0 1.0	30.7 34.9 -38.7 52.2 312	0.7 0.0 1.0	0.209 0.0 1.0	30.7 34.9 -38.7 52.2 312	0.7 0.0 1.0			
315	313	312	0.246 0.0 1.0	31.3 37.1 -37.0 52.4 315	0.221 0.0 1.0	30.9 35.6 -38.1 52.2 313	0.717 0.0 1.0	0.209 0.0 1.0	30.7 34.9 -38.7 52.2 312	0.717 0.0 1.0			
316	314	313	0.263 0.0 1.0	31.8 37.8 -36.4 52.6 316	0.234 0.0 1.0	31.1 36.3 -37.5 52.3 314	0.733 0.0 1.0	0.221 0.0 1.0	30.9 35.6 -38.1 52.2 313	0.733 0.0 1.0			
317	315	314	0.283 0.0 1.0	32.4 38.7 -35.9 52.8 317	0.246 0.0 1.0	31.3 37.1 -37.0 52.4 315	0.75 0.0 1.0	0.234 0.0 1.0	31.1 36.3 -37.5 52.3 314	0.75 0.0 1.0			
318	316	315	0.302 0.0 1.0	33.1 39.5 -35.4 53.1 318	0.263 0.0 1.0	31.8 37.8 -36.4 52.6 316	0.767 0.0 1.0	0.246 0.0 1.0	31.3 37.1 -37.0 52.4 315	0.767 0.0 1.0			
319	317	316	0.322 0.0 1.0	33.7 40.3 -34.9 53.4 319	0.283 0.0 1.0	32.4 38.7 -35.9 52.8 317	0.783 0.0 1.0	0.263 0.0 1.0	31.8 37.8 -36.4 52.6 316	0.783 0.0 1.0			
320	318	317	0.342 0.0 1.0	34.4 41.1 -34.4 53.6 320	0.302 0.0 1.0	33.1 39.5 -35.4 53.1 318	0.8 0.0 1.0	0.283 0.0 1.0	32.4 38.7 -35.9 52.8 317	0.8 0.0 1.0			
321	319	318	0.361 0.0 1.0	35.0 41.9 -33.8 53.9 321	0.322 0.0 1.0	33.7 40.3 -34.9 53.4 319	0.817 0.0 1.0	0.302 0.0 1.0	33.1 39.5 -35.4 53.1 318	0.817 0.0 1.0			
322	320	319	0.378 0.0 1.0	35.6 42.6 -33.2 54.1 322	0.342 0.0 1.0	34.4 41.1 -34.4 53.6 320	0.833 0.0 1.0	0.322 0.0 1.0	33.7 40.3 -34.9 53.4 319	0.833 0.0 1.0			
323	321	320	0.39 0.0 1.0	35.9 43.5 -32.7 54.4 323	0.361 0.0 1.0	35.0 41.9 -33.8 53.9 321	0.85 0.0 1.0	0.342 0.0 1.0	34.4 41.1 -34.4 53.6 320	0.85 0.0 1.0			
324	322	321	0.401 0.0 1.0	36.2 44.3 -32.1 54.7 324	0.378 0.0 1.0	35.6 42.6 -33.2 54.1 322	0.867 0.0 1.0	0.361 0.0 1.0	35.0 41.9 -33.8 53.9 321	0.867 0.0 1.0			
325	323	322	0.412 0.0 1.0	36.6 45.1 -31.5 55.1 325	0.39 0.0 1.0	35.9 43.5 -32.7 54.4 323	0.883 0.0 1.0	0.378 0.0 1.0	35.6 42.6 -33.2 54.1 322	0.883 0.0 1.0			
326	324	323	0.424 0.0 1.0	36.9 45.9 -30.9 55.4 326	0.401 0.0 1.0	36.2 44.3 -32.1 54.7 324	0.9 0.0 1.0	0.39 0.0 1.0	35.9 43.5 -32.7 54.4 323	0.9 0.0 1.0			
327	325	324	0.435 0.0 1.0	37.2 46.7 -30.2 55.7 327	0.412 0.0 1.0	36.6 45.1 -31.5 55.1 325	0.917 0.0 1.0	0.401 0.0 1.0	36.2 44.3 -32.1 54.7 324	0.917 0.0 1.0			
328	326	325	0.447 0.0 1.0	37.6 47.5 -29.6 56.0 328	0.424 0.0 1.0	36.9 45.9 -30.9 55.4 326	0.933 0.0 1.0	0.412 0.0 1.0	36.6 45.1 -31.5 55.1 325	0.933 0.0 1.0			
329	327	326	0.458 0.0 1.0	37.9 48.3 -28.9 56.3 329	0.435 0.0 1.0	37.2 46.7 -30.2 55.7 327	0.95 0.0 1.0	0.424 0.0 1.0	36.9 45.9 -30.9 55.4 326	0.95 0.0 1.0			
330	328	327	0.469 0.0 1.0	38.3 49.0 -28.2 56.6 330	0.447 0.0 1.0	37.6 47.5 -29.6 56.0 328	0.967 0.0 1.0	0.435 0.0 1.0	37.2 46.7 -30.2 55.7 327	0.967 0.0 1.0			
331	329	328	0.481 0.0 1.0	38.6 49.8 -27.5 56.9 331	0.458 0.0 1.0	37.9 48.3 -28.9 56.3 329	0.983 0.0 1.0	0.447 0.0 1.0	37.6 47.5 -29.6 56.0 328	0.983 0.0 1.0			
332	330	329	0.492 0.0 1.0	38.9 50.5 -26.8 57.2 332	0.469 0.0 1.0	38.3 49.0 -28.2 56.6 330	1.0 0.0 1.0M _s	0.458 0.0 1.0	37.9 48.3 -28.9 56.3 329	1.0 0.0 1.0M _e			
333	331	330	0.504 0.0 1.0	39.3 51.3 -26.0 57.6 333	0.481 0.0 1.0	38.6 49.8 -27.5 56.9 331	1.0 0.0 0.983	0.469 0.0 1.0	38.3 49.0 -28.2 56.6 330	1.0 0.0 0.983			
334	332	331	0.519 0.0 1.0	39.6 52.2 -25.4 58.1 334	0.492 0.0 1.0	38.9 50.5 -26.8 57.2 332	1.0 0.0 0.967	0.481 0.0 1.0	38.6 49.8 -27.5 56.9 331	1.0 0.0 0.967			
335	333	331	0.533 0.0 1.0	39.9 53.1 -24.6 58.6 335	0.504 0.0 1.0	39.3 51.3 -26.0 57.6 333	1.0 0.0 0.95	0.481 0.0 1.0	38.6 49.8 -27.5 56.9 331	1.0 0.0 0.95			
336	334	332	0.548 0.0 1.0	40.3 53.9 -23.9 59.0 336	0.519 0.0 1.0	39.6 52.2 -25.4 58.1 334	1.0 0.0 0.933	0.492 0.0 1.0	38.9 50.5 -26.8 57.2 332	1.0 0.0 0.933			
337	335	333	0.562 0.0 1.0	40.6 54.8 -23.2 59.5 337	0.533 0.0 1.0	39.9 53.1 -24.6 58.6 335	1.0 0.0 0.917	0.504 0.0 1.0	39.3 51.3 -26.0 57.6 333	1.0 0.0 0.917			
338	336	334	0.577 0.0 1.0	40.9 55.6 -22.4 60.0 338	0.548 0.0 1.0	40.3 53.9 -23.9 59.0 336	1.0 0.0 0.9	0.519 0.0 1.0	39.6 52.2 -25.4 58.1 334	1.0 0.0 0.9			
339	337	335	0.591 0.0 1.0	41.3 56.4 -21.6 60.5 339	0.562 0.0 1.0	40.6 54.8 -23.2 59.5 337	1.0 0.0 0.883	0.533 0.0 1.0	39.9 53.1 -24.6 58.6 335	1.0 0.0 0.883			
340	338	336	0.605 0.0 1.0	41.6 57.3 -20.7 60.9 340	0.577 0.0 1.0	40.9 55.6 -22.4 60.0 338	1.0 0.0 0.867	0.548 0.0 1.0	40.3 53.9 -23.9 59.0 336	1.0 0.0 0.867			
341	339	337	0.62 0.0 1.0	41.9 58.1 -19.9 61.4 341	0.591 0.0 1.0	41.3 56.4 -21.6 60.5 339	1.0 0.0 0.85	0.562 0.0 1.0	40.6 54.8 -23.2 59.5 337	1.0 0.0 0.85			
342	340	338	0.644 0.0 1.0	42.7 59.0 -19.1 62.1 342	0.605 0.0 1.0	41.6 57.3 -20.7 60.9 340	1.0 0.0 0.833	0.577 0.0 1.0	40.9 55.6 -22.4 60.0 338	1.0 0.0 0.833			
343	341	339	0.673 0.0 1.0	43.6 60.1 -18.3 62.8 343	0.62 0.0 1.0	41.9 58.1 -19.9 61.4 341	1.0 0.0 0.817	0.591 0.0 1.0	41.3 56.4 -21.6 60.5 339	1.0 0.0 0.817			
344	342	340	0.703 0.0 1.0	44.5 61.1 -17.4 63.6 344	0.644 0.0 1.0	42.7 59.0 -19.1 62.1 342	1.0 0.0 0.8	0.605 0.0 1.0	41.6 57.3 -20.7 60.9 340	1.0 0.0 0.8			
345	343	341	0.732 0.0 1.0	45.4 62.2 -16.6 64.4 345	0.673 0.0 1.0	43.6 60.1 -18.3 62.8 343	1.0 0.0 0.783	0.62 0.0 1.0	41.9 58.1 -19.9 61.4 341	1.0 0.0 0.783			
346	344	342	0.759 0.0 1.0	46.2 63.2 -15.7 65.1 346	0.703 0.0 1.0	44.5 61.1 -17.4 63.6 344	1.0 0.0 0.767	0.644 0.0 1.0	42.7 59.0 -19.1 62.1 342	1.0 0.0 0.767			
347	345	343	0.782 0.0 1.0	46.7 64.3 -14.7 66.0 347	0.732 0.0 1.0	45.4 62.2 -16.6 64.4 345	1.0 0.0 0.75	0.673 0.0 1.0	43.6 60.1 -18.3 62.8 343	1.0 0.0 0.75			

OE390-7N, Page of series 19/20, RX0, D50, XYZnw=3.4, 3.4, 2.8, 87.6, 91.1, 72.8, LAB*nw=21.7, 0.7, 0.6, 96.5, -0.4, 2.1, not adapted

Output: Offset print ORS42_18_96; separation cmyn6*, D65 and D50, page 19/20

TUB-test chart OE39; 48 and 360 step hue circles, Page 19/20
Data of Offset print ORS42_18_96, separation cmyn6*, D65 and D50

input: rgb^*_d set $rgbcolor$
output: $cmyn6^*_d = f_6(rgb^*_d)$

TUB registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

See original or copy: <http://web.me.com/klaus.richter/OE39/OE39L0NP.PDF> /.PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system Offset print ORS42_18_96; separation cmyn6*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																							
Six hue angles of the device colours d: $h_{ab,d} = 32.2, 92.8, 153.3, 229.3, 292.9, 356.0$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																							
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$	$LAB^*_{dd361Mix}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mix}(x=LabCh)$	rgb^*_{s50M}	$rgb^*_{de361Mi}$	$LAB^*_{de361Mix}(x=LabCh)$	rgb^*_{e50M}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}										
347	345	343	0.782 0.0 1.0	46.7 64.3 -14.7 66.0	347	0.732 0.0 1.0	45.4 62.2 -16.6 64.4	345	1.0 0.0 0.75	0.673 0.0 1.0	43.6 60.1 -18.3 62.8	343	1.0 0.0 0.75										
348	346	344	0.804 0.0 1.0	47.2 65.3 -13.8 66.8	348	0.759 0.0 1.0	46.2 63.2 -15.7 65.1	346	1.0 0.0 0.733	0.703 0.0 1.0	44.5 61.1 -17.4 63.6	344	1.0 0.0 0.733										
349	347	345	0.827 0.0 1.0	47.7 66.4 -12.8 67.6	349	0.782 0.0 1.0	46.7 64.3 -14.7 66.0	347	1.0 0.0 0.717	0.732 0.0 1.0	45.4 62.2 -16.6 64.4	345	1.0 0.0 0.717										
350	348	346	0.85 0.0 1.0	48.2 67.4 -11.8 68.4	350	0.804 0.0 1.0	47.2 65.3 -13.8 66.8	348	1.0 0.0 0.7	0.759 0.0 1.0	46.2 63.2 -15.7 65.1	346	1.0 0.0 0.7										
351	349	347	0.873 0.0 1.0	48.8 68.4 -10.7 69.3	351	0.827 0.0 1.0	47.7 66.4 -12.8 67.6	349	1.0 0.0 0.683	0.782 0.0 1.0	46.7 64.3 -14.7 66.0	347	1.0 0.0 0.683										
352	350	348	0.898 0.0 1.0	49.2 69.6 -9.7 70.3	352	0.85 0.0 1.0	48.2 67.4 -11.8 68.4	350	1.0 0.0 0.667	0.804 0.0 1.0	47.2 65.3 -13.8 66.8	348	1.0 0.0 0.667										
353	351	349	0.924 0.0 1.0	49.7 70.7 -8.6 71.3	353	0.873 0.0 1.0	48.8 68.4 -10.7 69.3	351	1.0 0.0 0.65	0.827 0.0 1.0	47.7 66.4 -12.8 67.6	349	1.0 0.0 0.65										
354	352	349	0.949 0.0 1.0	50.2 71.9 -7.5 72.3	354	0.898 0.0 1.0	49.2 69.6 -9.7 70.3	352	1.0 0.0 0.633	0.827 0.0 1.0	47.7 66.4 -12.8 67.6	349	1.0 0.0 0.633										
355	353	350	0.974 0.0 1.0	50.7 73.0 -6.3 73.3	355	0.924 0.0 1.0	49.7 70.7 -8.6 71.3	353	1.0 0.0 0.617	0.85 0.0 1.0	48.2 67.4 -11.8 68.4	350	1.0 0.0 0.617										
356	354	351	1.0 0.0 1.0	51.2 74.1 -5.1 74.3	356M _d	0.949 0.0 1.0	50.2 71.9 -7.5 72.3	354	1.0 0.0 0.6	0.873 0.0 1.0	48.8 68.4 -10.7 69.3	351	1.0 0.0 0.6										
357	355	352	1.0 0.0 0.969	51.2 73.9 -3.8 74.0	357	0.974 0.0 1.0	50.7 73.0 -6.3 73.3	355	1.0 0.0 0.583	0.898 0.0 1.0	49.2 69.6 -9.7 70.3	352	1.0 0.0 0.583										
358	356	353	1.0 0.0 0.938	51.2 73.6 -2.5 73.6	358	1.0 0.0 1.0	51.2 74.1 -5.1 74.3	356	1.0 0.0 0.567	0.924 0.0 1.0	49.7 70.7 -8.6 71.3	353	1.0 0.0 0.567										
359	357	354	1.0 0.0 0.908	51.2 73.3 -1.2 73.3	359	1.0 0.0 0.969	51.2 73.9 -3.8 74.0	357	1.0 0.0 0.55	0.949 0.0 1.0	50.2 71.9 -7.5 72.3	354	1.0 0.0 0.55										
0	358	355	1.0 0.0 0.877	51.2 72.9 0.0 72.9	0	1.0 0.0 0.938	51.2 73.6 -2.5 73.6	358	1.0 0.0 0.533	0.974 0.0 1.0	50.7 73.0 -6.3 73.3	355	1.0 0.0 0.533										
1	359	356	1.0 0.0 0.842	51.2 72.9 1.3 72.9	1	1.0 0.0 0.908	51.2 73.3 -1.2 73.3	359	1.0 0.0 0.517	1.0 0.0 1.0	51.2 74.1 -5.1 74.3	356	1.0 0.0 0.517										
2	360	357	1.0 0.0 0.808	51.1 72.8 2.5 72.9	2	1.0 0.0 0.877	51.2 72.9 0.0 72.9	0	1.0 0.0 0.5	1.0 0.0 0.969	51.2 73.9 -3.8 74.0	357	1.0 0.0 0.5										
3	361	358	1.0 0.0 0.774	51.1 72.7 3.8 72.8	3	1.0 0.0 0.842	51.2 72.9 1.3 72.9	1	1.0 0.0 0.483	1.0 0.0 0.938	51.2 73.6 -2.5 73.6	358	1.0 0.0 0.483										
4	362	359	1.0 0.0 0.742	51.1 72.6 5.1 72.8	4	1.0 0.0 0.808	51.1 72.8 2.5 72.9	2	1.0 0.0 0.467	1.0 0.0 0.908	51.2 73.3 -1.2 73.3	359	1.0 0.0 0.467										
5	363	360	1.0 0.0 0.716	51.1 72.4 6.3 72.7	5	1.0 0.0 0.774	51.1 72.7 3.8 72.8	3	1.0 0.0 0.45	1.0 0.0 0.877	51.2 72.9 0.0 72.9	0	1.0 0.0 0.45										
6	364	361	1.0 0.0 0.69	51.1 72.2 7.6 72.6	6	1.0 0.0 0.742	51.1 72.6 5.1 72.8	4	1.0 0.0 0.433	1.0 0.0 0.842	51.2 72.9 1.3 72.9	1	1.0 0.0 0.433										
7	365	362	1.0 0.0 0.664	51.1 72.0 8.8 72.5	7	1.0 0.0 0.716	51.1 72.4 6.3 72.7	5	1.0 0.0 0.417	1.0 0.0 0.808	51.1 72.8 2.5 72.9	2	1.0 0.0 0.417										
8	366	363	1.0 0.0 0.638	51.1 71.7 10.1 72.4	8	1.0 0.0 0.69	51.1 72.2 7.6 72.6	6	1.0 0.0 0.4	1.0 0.0 0.774	51.1 72.7 3.8 72.8	3	1.0 0.0 0.4										
9	367	364	1.0 0.0 0.611	51.1 71.6 11.3 72.5	9	1.0 0.0 0.664	51.1 72.0 8.8 72.5	7	1.0 0.0 0.383	1.0 0.0 0.742	51.1 72.6 5.1 72.8	4	1.0 0.0 0.383										
10	368	365	1.0 0.0 0.583	51.0 71.6 12.6 72.7	10	1.0 0.0 0.638	51.1 71.7 10.1 72.4	8	1.0 0.0 0.367	1.0 0.0 0.716	51.1 72.4 6.3 72.7	5	1.0 0.0 0.367										
11	369	366	1.0 0.0 0.555	50.9 71.6 13.9 73.0	11	1.0 0.0 0.611	51.1 71.6 11.3 72.5	9	1.0 0.0 0.35	1.0 0.0 0.69	51.1 72.2 7.6 72.6	6	1.0 0.0 0.35										
12	370	367	1.0 0.0 0.527	50.8 71.6 15.2 73.2	12	1.0 0.0 0.583	51.0 71.6 12.6 72.7	10	1.0 0.0 0.333	1.0 0.0 0.664	51.1 72.0 8.8 72.5	7	1.0 0.0 0.333										
13	371	367	1.0 0.0 0.5	50.8 71.6 16.5 73.4	13	1.0 0.0 0.555	50.9 71.6 13.9 73.0	11	1.0 0.0 0.317	1.0 0.0 0.664	51.1 72.0 8.8 72.5	7	1.0 0.0 0.317										
14	372	368	1.0 0.0 0.474	50.8 71.4 17.8 73.6	14	1.0 0.0 0.527	50.8 71.6 15.2 73.2	12	1.0 0.0 0.3	1.0 0.0 0.638	51.1 71.7 10.1 72.4	8	1.0 0.0 0.3										
15	373	369	1.0 0.0 0.448	50.8 71.3 19.1 73.8	15	1.0 0.0 0.5	50.8 71.6 16.5 73.4	13	1.0 0.0 0.283	1.0 0.0 0.611	51.1 71.6 11.3 72.5	9	1.0 0.0 0.283										
16	374	370	1.0 0.0 0.422	50.8 71.1 20.4 73.9	16	1.0 0.0 0.474	50.8 71.4 17.8 73.6	14	1.0 0.0 0.267	1.0 0.0 0.583	51.0 71.6 12.6 72.7	10	1.0 0.0 0.267										
17	375	371	1.0 0.0 0.396	50.8 70.9 21.7 74.1	17	1.0 0.0 0.448	50.8 71.3 19.1 73.8	15	1.0 0.0 0.25	1.0 0.0 0.555	50.9 71.6 13.9 73.0	11	1.0 0.0 0.25										
18	376	372	1.0 0.0 0.371	50.9 70.7 23.0 74.3	18	1.0 0.0 0.422	50.8 71.1 20.4 73.9	16	1.0 0.0 0.233	1.0 0.0 0.527	50.8 71.6 15.2 73.2	12	1.0 0.0 0.233										
19	377	373	1.0 0.0 0.35	50.9 70.6 24.3 74.7	19	1.0 0.0 0.396	50.8 70.9 21.7 74.1	17	1.0 0.0 0.217	1.0 0.0 0.5	50.8 71.6 16.5 73.4	13	1.0 0.0 0.217										
20	378	374	1.0 0.0 0.328	50.9 70.5 25.7 75.0	20	1.0 0.0 0.371	50.9 70.7 23.0 74.3	18	1.0 0.0 0.2	1.0 0.0 0.474	50.8 71.4 17.8 73.6	14	1.0 0.0 0.2										
21	379	375	1.0 0.0 0.307	50.9 70.4 27.0 75.4	21	1.0 0.0 0.35	50.9 70.6 24.3 74.7	19	1.0 0.0 0.183	1.0 0.0 0.448	50.8 71.3 19.1 73.8	15	1.0 0.0 0.183										
22	380	376	1.0 0.0 0.286	50.9 70.2 28.4 75.7	22	1.0 0.0 0.328	50.9 70.5 25.7 75.0	20	1.0 0.0 0.167	1.0 0.0 0.422	50.8 71.1 20.4 73.9	16	1.0 0.0 0.167										
23	381	377	1.0 0.0 0.265	50.9 70.1 29.7 76.1	23	1.0 0.0 0.307	50.9 70.4 27.0 75.4	21	1.0 0.0 0.15	1.0 0.0 0.396	50.8 70.9 21.7 74.1	17	1.0 0.0 0.15										
24	382	378	1.0 0.0 0.241	50.9 69.9 31.1 76.5	24	1.0 0.0 0.286	50.9 70.2 28.4 75.7	22	1.0 0.0 0.133	1.0 0.0 0.371	50.9 70.7 23.0 74.3	18	1.0 0.0 0.133										
25	383	379	1.0 0.0 0.214	50.8 69.9 32.6 77.1	25	1.0 0.0 0.265	50.9 70.1 29.7 76.1	23	1.0 0.0 0.117	1.0 0.0 0.35	50.9 70.6 24.3 74.7	19	1.0 0.0 0.117										
26	384	380	1.0 0.0 0.186	50.8 69.8 34.1 77.7	26	1.0 0.0 0.241	50.9 69.9 31.1 76.5	24	1.0 0.0 0.1	1.0 0.0 0.328	50.9 70.5 25.7 75.0	20	1.0 0.0 0.1										
27	385	381	1.0 0.0 0.158	50.7 69.7 35.5 78.3	27	1.0 0.0 0.214	50.8 69.9 32.6 77.1	25	1.0 0.0 0.083	1.0 0.0 0.307	50.9 70.4 27.0 75.4	21	1.0 0.0 0.083										
28	386	382	1.0 0.0 0.13	50.7 69.6 37.0 78.8	28	1.0 0.0 0.186	50.8 69.8 34.1 77.7	26	1.0 0.0 0.067	1.0 0.0 0.286	50.9 70.2 28.4 75.7	22	1.0 0.0 0.067										
29	387	383	1.0 0.0 0.1	50.7 69.6 38.6 79.6	29	1.0 0.0 0.158	50.7 69.7 35.5 78.3	27	1.0 0.0 0.05	1.0 0.0 0.265	50.9 70.1 29.7 76.1	23	1.0 0.0 0.05										
30	388	384	1.0 0.0 0.069	50.6 69.6 40.2 80.3	30	1.0 0.0 0.13	50.7 69.6 37.0 78.8	28	1.0 0.0 0.033	1.0 0.0 0.241	50.9 69.9 31.1 76.5	24	1.0 0.0 0.033										
31	389	385	1.0 0.0 0.038	50.6 69.5 41.8 81.1	31	1.0 0.0 0.1	50.7 69.6 38.6 79.6	29	1.0 0.0 0.017	1.0 0.0 0.214	50.8 69.9 32.6 77.1	25	1.0 0.0 0.017										
32	390	385	1.0 0.0 0.007	50.5 69.4 43.4 81.9	32 R _d	1.0 0.0 0.069	50.6 69.6 40.2 80.3	30	1.0 0.0 0.0R _s	1.0 0.0 0.214	50.8 69.9 32.6 77.1	25	1.0 0.0 0.0R _e										

OE390-7N, Page of series 20/20, RX0, D50, XYZnw=3.4, 3.4, 2.8, 87.6, 91.1, 72.8, LAB*nw=21.7, 0.7, 0.6, 96.5, -0.4, 2.1, not adapted

TUB-test chart OE39; 48 and 360 step hue circles, Page 20/20
Data of Offset print ORS42_18_96, separation cmyn6*, D65 and D50

Output: Offset print ORS42_18_96; separation cmyn6*, D65 and D50, page 20/20

input: rgb^*_d set $rgbcolor$
output: $cmyn6^*_d = f_6(rgb^*_d)$

TUB registration: 20110301-OE39/OE39L0NP.PDF /.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta