

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 31.9, 99.3, 151.6, 229.0, 299.3, 349.7$; 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

$LCH^*_d = 91.3 \ 85.8 \ 99.3$
 $LAB^*_d = 91.3 \ -13.9 \ 84.7$
 $rgb^*_d = 1.0 \ 1.0 \ 0.0$

L=G_d Leaf green

$LCH^*_d = 56.7 \ 73.8 \ 151.6$
 $LAB^*_d = 56.7 \ -64.9 \ 35.0$
 $rgb^*_d = 0.0 \ 1.0 \ 0.0$

C=C_d Cyan blue

$LCH^*_d = 51.7 \ 51.7 \ 229.0$
 $LAB^*_d = 51.7 \ -33.9 \ -39.0$
 $rgb^*_d = 0.0 \ 1.0 \ 1.0$

O=R_d Orange red

$LCH^*_d = 46.0 \ 73.0 \ 31.8$
 $LAB^*_d = 46.0 \ 61.9 \ 38.5$
 $rgb^*_d = 1.0 \ 0.0 \ 0.0$

M=M_d Magenta red

$LCH^*_d = 45.3 \ 72.2 \ 349.6$
 $LAB^*_d = 45.3 \ 71.0 \ -12.9$
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

V=B_d Violet blue (very similar to elementary Blue)

$LCH^*_d = 31.3 \ 49.2 \ 299.3$
 $LAB^*_d = 31.3 \ 24.1 \ -42.9$
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

J_s Yellow

$LCH^*_s = 82.7 \ 77.8 \ 90.0$
 $LAB^*_s = 82.7 \ 0.0 \ 77.8$
 $rgb^*_s = 1.0 \ 0.762 \ 0.0$

G_s Green

$LCH^*_s = 57.6 \ 73.0 \ 150.0$
 $LAB^*_s = 57.6 \ -63.2 \ 36.5$
 $rgb^*_s = 0.035 \ 1.0 \ 0.0$

C_s Blue green

$LCH^*_s = 55.7 \ 47.2 \ 210.0$
 $LAB^*_s = 55.7 \ -40.9 \ -23.6$
 $rgb^*_s = 0.0 \ 1.0 \ 0.832$

B_s Blue

$LCH^*_s = 36.6 \ 48.5 \ 270.0$
 $LAB^*_s = 36.6 \ 0.0 \ -48.5$
 $rgb^*_s = 0.0 \ 0.308 \ 1.0$

R_s Red

$LCH^*_s = 45.9 \ 71.3 \ 30.0$
 $LAB^*_s = 45.9 \ 61.8 \ 35.6$
 $rgb^*_s = 1.0 \ 0.0 \ 0.072$

M_s Blue red

$LCH^*_s = 34.6 \ 58.0 \ 330.0$
 $LAB^*_s = 34.6 \ 50.2 \ -29.0$
 $rgb^*_s = 0.503 \ 0.0 \ 1.0$

J_e Yellow

$LCH^*_e = 84.5 \ 76.2 \ 92.0$
 $LAB^*_e = 84.5 \ -2.6 \ 76.2$
 $rgb^*_e = 1.0 \ 0.81 \ 0.0$

G_e Green

$LCH^*_e = 56.4 \ 64.1 \ 162.0$
 $LAB^*_e = 56.4 \ -60.9 \ 19.8$
 $rgb^*_e = 0.0 \ 1.0 \ 0.183$

C_e Blue green

$LCH^*_e = 54.3 \ 48.6 \ 217.0$
 $LAB^*_e = 54.3 \ -38.8 \ -29.2$
 $rgb^*_e = 0.0 \ 1.0 \ 0.903$

B_e Blue

$LCH^*_e = 35.7 \ 48.5 \ 272.0$
 $LAB^*_e = 35.7 \ 1.6 \ -48.5$
 $rgb^*_e = 0.0 \ 0.284 \ 1.0$

R_e Red

$LCH^*_e = 45.3 \ 68.4 \ 25.0$
 $LAB^*_e = 45.3 \ 62.0 \ 28.9$
 $rgb^*_e = 1.0 \ 0.0 \ 0.204$

M_e Blue red

$LCH^*_e = 34.1 \ 57.6 \ 329.0$
 $LAB^*_e = 34.1 \ 49.3 \ -29.6$
 $rgb^*_e = 0.477 \ 0.0 \ 1.0$

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.barn.de> or <http://130.149.60.45/~farbmetrik>

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Six hue angles of the device colours d: $h_{ab,d} = 31.9, 99.3, 151.6, 229.0, 299.3, 349.7$; 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^*_{dd50M}	$LAB^*_{dd50M}(x=LabCh)$	rgb^*_{ds50M}	$LAB^*_{ds50M}(x=LabCh)$	rgb^*_{ss50M}	rgb^*_{de50M}	$LAB^*_{de50M}(x=LabCh)$	rgb^*_{e50M}
31.9	30.0	25.5	1.0	0.0	0.0	46.0	62.0	38.6	73.0	31.9
43.3	37.5	33.8	1.0	0.125	0.0	52.1	56.9	53.5	78.1	43.3
55.6	45.0	42.2	1.0	0.25	0.0	60.1	41.1	60.0	72.7	55.6
65.8	52.5	50.5	1.0	0.375	0.0	66.1	29.7	66.0	72.3	65.8
74.8	60.0	58.9	1.0	0.5	0.0	71.6	19.2	71.0	73.6	74.8
80.8	67.5	67.2	1.0	0.625	0.0	75.6	12.2	75.2	76.2	80.8
89.5	75.0	75.6	1.0	0.75	0.0	82.3	0.7	78.2	78.2	89.5
94.7	82.5	84.0	1.0	0.875	0.0	87.0	-6.0	74.0	74.2	94.7
99.3	90.0	92.3	1.0	1.0	0.0	91.4	-13.8	84.8	85.9	99.3
100.7	97.5	101.1	0.875	1.0	0.0	93.5	-17.6	93.6	95.2	100.7
105.0	105.0	109.8	0.75	1.0	0.0	88.5	-23.3	87.3	90.4	105.0
113.7	112.5	118.5	0.625	1.0	0.0	80.2	-31.5	71.9	78.6	113.7
121.7	120.0	127.3	0.5	1.0	0.0	73.7	-38.7	62.8	73.8	121.7
128.8	127.5	136.0	0.375	1.0	0.0	68.9	-44.6	55.7	71.4	128.8
138.2	135.0	144.7	0.25	1.0	0.0	63.7	-53.2	47.7	71.5	138.2
145.8	142.5	153.5	0.125	1.0	0.0	60.1	-58.6	39.8	70.9	145.8
151.6	150.0	162.2	0.0	1.0	0.0	56.7	-64.9	35.1	73.8	151.6
158.2	157.5	169.1	0.0	1.0	0.125	56.3	-62.8	25.2	67.8	158.2
166.3	165.0	175.9	0.0	1.0	0.25	56.6	-58.2	14.2	60.0	166.3
174.8	172.5	182.8	0.0	1.0	0.375	56.9	-54.7	5.0	55.1	174.8
184.0	180.0	189.6	0.0	1.0	0.5	57.2	-50.4	-3.4	50.6	184.0
194.3	187.5	196.4	0.0	1.0	0.625	57.4	-45.9	-11.6	47.4	194.3
203.4	195.0	203.3	0.0	1.0	0.75	56.9	-42.4	-18.3	46.3	203.4
213.4	202.5	210.1	0.0	1.0	0.875	55.2	-39.8	-26.2	47.8	213.4
229.0	210.0	217.0	0.0	1.0	1.0	51.7	-33.9	-39.0	51.8	229.0
232.3	217.5	223.8	0.0	0.875	1.0	51.4	-32.0	-41.3	52.4	232.3
238.2	225.0	230.7	0.0	0.75	1.0	51.4	-28.0	-45.2	53.3	238.2
246.8	232.5	237.5	0.0	0.625	1.0	48.6	-20.5	-48.1	52.4	246.8
254.4	240.0	244.4	0.0	0.5	1.0	44.4	-13.4	-48.3	50.3	254.4
264.5	247.5	251.2	0.0	0.375	1.0	39.1	-4.6	-48.2	48.5	264.5
274.9	255.0	258.0	0.0	0.25	1.0	34.4	4.2	-48.3	48.6	274.9
287.2	262.5	264.9	0.0	0.125	1.0	34.1	14.1	-45.3	47.5	287.2
299.3	270.0	271.7	0.0	0.0	1.0	31.3	24.1	-42.9	49.3	299.3
308.1	277.5	278.8	0.125	0.0	1.0	31.0	31.5	-40.1	51.1	308.1
317.3	285.0	286.0	0.25	0.0	1.0	30.7	39.5	-36.3	53.7	317.3
324.9	292.5	293.1	0.375	0.0	1.0	32.3	45.8	-32.1	56.0	324.9
329.9	300.0	300.2	0.5	0.0	1.0	34.5	50.1	-29.0	58.0	329.9
334.7	307.5	307.3	0.625	0.0	1.0	36.8	54.8	-25.8	60.6	334.7
339.9	315.0	314.4	0.75	0.0	1.0	39.0	59.8	-21.8	63.7	339.9
344.4	322.5	321.5	0.875	0.0	1.0	41.8	65.1	-18.1	67.6	344.4
349.7	330.0	328.6	1.0	0.0	1.0	45.3	71.1	-12.9	72.3	349.7
352.4	337.5	335.7	1.0	0.0	0.875	44.8	71.4	-9.4	72.0	352.4
358.5	345.0	342.8	1.0	0.0	0.75	44.8	69.5	-1.7	69.6	358.5
365.6	352.5	349.9	1.0	0.0	0.625	44.8	66.7	6.5	67.0	365.6
371.2	360.0	357.0	1.0	0.0	0.5	44.7	64.4	12.7	65.7	371.2
377.0	367.5	364.2	1.0	0.0	0.375	44.6	63.1	19.3	66.0	377.0
382.9	375.0	371.3	1.0	0.0	0.25	45.0	62.2	26.3	67.5	382.9
388.6	382.5	378.4	1.0	0.0	0.125	45.8	61.6	33.6	70.2	388.6
391.9	390.0	385.5	1.0	0.0	0.0	46.0	62.0	38.6	73.0	391.9

OE320-7N, Page of series 2/20, RX0, D65, XYZnw=1.7, 1.8, 1.8, 87.6, 92.7, 98.0, LAB*_{nw}=14.4, 0.3, 1.4, 97.1, -0.9, 1.9, not adapted

Output: laser printer HRS16_96; separation cmyn6*, D65 and D50, page 2/20

TUB-test chart OE32; 48 and 360 step hue circles, Page 2/20
Data of laser printer HRS16_96, separation cmyn6*, D65 and D50

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

TUB registration: 20110301-OE32/OE32L0NA.TXT /PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

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Primary hue angles of the six basic colours of LAB*												Primary hue angles of the elementary colours of RGB*												Primary hue angles of the elementary colours of CMYK*																							
$h_{ab,d}$ $h_{ab,s}$ $h_{ab,e}$			$rgb^*_{ds361Mi}$ LAB* LAB* de361Mix (x=LabCh)									$rgb^*_{ds361Mi}$ LAB* LAB* de361Mix (x=LabCh)									rgb^*_{s50M} LAB* LAB* de361Mix (x=LabCh)									rgb^*_{e50M} LAB* LAB* de361Mix (x=LabCh)									rgb^*_{dd}			rgb^*_{ds}			rgb^*_{d}		
31	30	25	1.0	0.0	0.034	46.0	61.9	37.2	72.2	31	R_d	1.0	0.0	0.072	45.9	61.8	35.7	71.4	30	1.0	0.0	0.0R _s	1.0	0.0	0.205	45.3	62.1	28.9	68.5	25	1.0	0.0	0.0R _e														
32	31	27	1.0	0.001	0.0	46.1	62.0	38.7	73.1	32		1.0	0.0	0.034	46.0	61.9	37.2	72.2	31	1.0	0.017	0.0	1.0	0.0	0.16	45.6	61.9	31.5	69.4	27	1.0	0.017	0.0														
33	32	28	1.0	0.012	0.0	46.6	61.7	40.0	73.5	33		1.0	0.001	0.0	46.1	62.0	38.7	73.1	32	1.0	0.033	0.0	1.0	0.0	0.138	45.8	61.7	32.8	69.9	28	1.0	0.033	0.0														
34	33	29	1.0	0.023	0.0	47.2	61.3	41.4	74.0	34		1.0	0.012	0.0	46.6	61.7	40.0	73.5	33	1.0	0.05	0.0	1.0	0.0	0.11	45.9	61.7	34.2	70.5	29	1.0	0.05	0.0														
35	34	30	1.0	0.034	0.0	47.7	61.0	42.7	74.4	35		1.0	0.023	0.0	47.2	61.3	41.4	74.0	34	1.0	0.067	0.0	1.0	0.0	0.072	45.9	61.8	35.7	71.4	30	1.0	0.067	0.0														
36	35	31	1.0	0.045	0.0	48.2	60.6	44.0	74.9	36		1.0	0.034	0.0	47.7	61.0	42.7	74.4	35	1.0	0.083	0.0	1.0	0.0	0.034	46.0	61.9	37.2	72.2	31	1.0	0.083	0.0														
37	36	32	1.0	0.056	0.0	48.8	60.1	45.3	75.3	37		1.0	0.045	0.0	48.2	60.6	44.0	74.9	36	1.0	0.1	0.0	1.0	0.001	0.0	46.1	62.0	38.7	73.1	32	1.0	0.1	0.0														
38	37	33	1.0	0.067	0.0	49.3	59.7	46.6	75.8	38		1.0	0.056	0.0	48.8	60.1	45.3	75.3	37	1.0	0.117	0.0	1.0	0.012	0.0	46.6	61.7	40.0	73.5	33	1.0	0.117	0.0														
39	38	34	1.0	0.078	0.0	49.8	59.2	48.0	76.2	39		1.0	0.067	0.0	49.3	59.7	46.6	75.8	38	1.0	0.133	0.0	1.0	0.023	0.0	47.2	61.3	41.4	74.0	34	1.0	0.133	0.0														
40	39	36	1.0	0.089	0.0	50.4	58.7	49.3	76.6	40		1.0	0.078	0.0	49.8	59.2	48.0	76.2	39	1.0	0.15	0.0	1.0	0.045	0.0	48.2	60.6	44.0	74.9	36	1.0	0.15	0.0														
41	40	37	1.0	0.1	0.0	50.9	58.2	50.6	77.1	41		1.0	0.089	0.0	50.4	58.7	49.3	76.6	40	1.0	0.167	0.0	1.0	0.056	0.0	48.8	60.1	45.3	75.3	37	1.0	0.167	0.0														
42	41	38	1.0	0.111	0.0	51.5	57.6	51.9	77.5	42		1.0	0.1	0.0	50.9	58.2	50.6	77.1	41	1.0	0.183	0.0	1.0	0.067	0.0	49.3	59.7	46.6	75.8	38	1.0	0.183	0.0														
43	42	39	1.0																																												

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$h_{ab,d}$			$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$					$LAB^*_{dd361Mix}(x=LabCh)$					$rgb^*_{ds361Mi}$					$LAB^*_{ds361Mix}(x=LabCh)$					rgb^*_{s50M}					$rgb^*_{de361Mi}$					$LAB^*_{de361Mix}(x=LabCh)$					rgb^*_{e50M}					rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
76	75	76	1.0	0.524	0.0	72.4	17.9	71.9	74.1	76	1.0	0.503	0.0	71.7	19.1	71.1	73.6	75	1.0	0.75	0.0	1.0	0.524	0.0	72.4	17.9	71.9	74.1	76	1.0	0.75	0.0															
77	76	77	1.0	0.546	0.0	73.1	16.8	72.6	74.5	77	1.0	0.524	0.0	72.4	17.9	71.9	74.1	76	1.0	0.767	0.0	1.0	0.546	0.0	73.1	16.8	72.6	74.5	77	1.0	0.767	0.0															
78	77	78	1.0	0.567	0.0	73.7	15.6	73.3	75.0	78	1.0	0.546	0.0	73.1	16.8	72.6	74.5	77	1.0	0.783	0.0	1.0	0.567	0.0	73.7	15.6	73.3	75.0	78	1.0	0.783	0.0															
79	78	79	1.0	0.588	0.0	74.4	14.4	74.0	75.4	79	1.0	0.567	0.0	73.7	15.6	73.3	75.0	78	1.0	0.8	0.0	1.0	0.588	0.0	74.4	14.4	74.0	75.4	79	1.0	0.8	0.0															
80	79	80	1.0	0.609	0.0	75.0	13.2	74.7	75.8	80	1.0	0.588	0.0	74.4	14.4	74.0	75.4	79	1.0	0.817	0.0	1.0	0.609	0.0	75.0	13.2	74.7	75.8	80	1.0	0.817	0.0															
81	80	81	1.0	0.628	0.0	75.7	11.9	75.3	76.2	81	1.0	0.609	0.0	75.0	13.2	74.7	75.8	80	1.0	0.833	0.0	1.0	0.628	0.0	75.7	11.9	75.3	76.2	81	1.0	0.833	0.0															
82	81	82	1.0	0.643	0.0	76.5	10.6	75.7	76.5	82	1.0	0.628	0.0	75.7	11.9	75.3	76.2	81	1.0	0.85	0.0	1.0	0.643	0.0	76.5	10.6	75.7	76.5	82	1.0	0.85	0.0															
83	82	83	1.0	0.657	0.0	77.3	9.3	76.1	76.7	83	1.0	0.643	0.0	76.5	10.6	75.7	76.5	82	1.0	0.867	0.0	1.0	0.657	0.0	77.3	9.3	76.1	76.7	83	1.0	0.867	0.0															
84	83	85	1.0	0.672	0.0	78.1	8.0	76.5	77.0	84	1.0	0.657	0.0	77.3	9.3	76.1	76.7	83	1.0	0.883	0.0	1.0	0.686	0.0	78.8	6.7	76.9	77.2	85	1.0	0.883	0.0															
85	84	86	1.0	0.686	0.0	78.8	6.7	76.9	77.2	85	1.0	0.672	0.0	78.1	8.0	76.5	77.0	84	1.0	0.9	0.0	1.0	0.7	0.0	79.6	5.4	77.2	77.4	86	1.0	0.9	0.0															
86	85	87	1.0	0.7	0.0	79.6	5.4	77.2	77.4	86	1.0	0.686	0.0	78.8	6.7	76.9	77.2	85	1.0	0.917	0.0	1.0	0.715	0.0	80.4	4.1	77.6	77.7	87	1.0	0.917	0.0															
87	86	88	1.0	0.715	0.0	80.4	4.1	77.6	77.7	87	1.0	0.7	0.0	79.6	5.4	77.2	77.4	86	1.0	0.933	0.0	1.0	0.729	0.0	81.2	2.7	77.9	77.9	88	1.0	0.933	0.0															
88	87	89	1.0	0.729	0.0	81.2	2.7	77.9	77.9	88	1.0	0.715	0.0	80.4	4.1	77.6	77.7	87	1.0	0.95	0.0	1.0	0.743	0.0	81.9	1.4	78.1	78.1	89	1.0	0.95	0.0															
89	88	90	1.0	0.743	0.0	81.9	1.4	78.1	78.1	89	1.0	0.729	0.0	81.2	2.7	77.9	77.9	88	1.0	0.967	0.0	1.0	0.763	0.0	82.8	0.0	77.8	77.8	90	1.0	0.967	0.0															
90	89	91	1.0	0.763	0.0	82.8	0.0	77.8	77.8	90	1.0	0.743	0.0	81.9	1.4	78.1	78.1	89	1.0	0.983	0.0	1.0	0.787	0.0	83.7	-1.2	77.1	77.1	91	1.0	0.983	0.0															
91	90	92	1.0	0.787	0.0	83.7	-1.2	77.1	77.1	91	1.0	0.763	0.0	82.8	0.0	77.8	77.8	90	1.0	1.0	0.0	J_s	1.0	0.811	0.0	84.6	-2.6	76.3	76.3	92	1.0	1.0	0.0	J_e													
92	91	93	1.0	0.811	0.0	84.6	-2.6	76.3	76.3	92	1.0	0.787	0.0	83.7	-1.2	77.1	77.1	91	0.983	1.0	0.0	1.0	0.834	0.0	85.5	-3.9	75.4	75.5	93	0.983	1.0	0.0															
93	92	95	1.0	0.834	0.0	85.5	-3.9	75.4	75.5	93	1.0	0.811	0.0	84.6	-2.6	76.3	76.3	92	0.967	1.0	0.0	1.0	0.883	0.0	87.3	-6.4	74.7	75.0	95	0.967	1.0	0.0															
94	93	96	1.0	0.858	0.0	86.3	-5.1	74.6	74.8	94	1.0	0.834	0.0	85.5	-3.9	75.4	75.5	93	0.95	1.0	0.0	1.0	0.91	0.0	88.2	-8.0	77.1	77.5	96	0.95	1.0	0.0															
95	94	97	1.0	0.883	0.0	87.3	-6.4	74.7	75.0	95	1.0	0.858	0.0	86.3	-5.1	74.6	74.8	94	0.933	1.0	0.0	1.0	0.937	0.0	89.1	-9.7	79.4	80.0	97	0.933	1.0	0.0															
96	95	98	1.0	0.91	0.0	88.2	-8.0	77.1	77.5	96	1.0	0.883	0.0	87.3	-6.4	74.7	75.0	95	0.917	1.0	0.0	1.0	0.964	0.0	90.1	-11.4	81.7	82.5	98	0.917	1.0	0.0															
97	96	99	1.0	0.937	0.0	89.1	-9.7	79.4	80.0	97	1.0	0.91	0.0	88.2	-8.0	77.1	77.5	96	0.9	1.0	0.0	1.0	0.991	0.0	91.0	-13.2	84.0	85.0	99	0.9	1.0	0.0															
98	97	100	1.0	0.964	0.0	90.1	-11.4	81.7	82.5	98	1.0	0.937	0.0	89.1	-9.7	79.4	80.0	97	0.883	1.0	0.0	0.939	1.0	0.0	92.4	-15.6	89.1	90.5	100	0.883	1.0	0.0															
99	98	102	1.0	0.991	0.0	91.0	-13.2	84.0	85.0	99	1.0	0.964	0.0	90.1	-11.4	81.7	82.5	98	0.867	1.0	0.0	0.837	1.0	0.0	92.0	-19.4	91.7	93.8	102	0.867	1.0	0.0															
100	99	103	0.939	1.0	0.0	92.4	-15.6	89.1	90.5	100	1.0	0.991	0.0	91.0	-13.2	84.0	85.0	99	0.85	1.0	0.0	0.808	1.0	0.0	90.8	-20.7	90.3	92.6	103	0.85	1.0	0.0															
101	100	104	0.866	1.0	0.0	93.1	-18.0	93.1	94.9	101	0.939	1.0	0.0	92.4	-15.6	89.1	90.5	100	0.833	1.0	0.0	0.779	1.0	0.0	89.6	-22.0	88.8	91.5	104	0.833	1.0	0.0															
102	101	105	0.837	1.0	0.0	92.0	-19.4	91.7	93.8	102	0.866	1.0	0.0	93.1	-18.0	93.1	94.9	101	0.817	1.0	0.0	0.75	1.0	0.0	88.5	-23.3	87.3	90.4	105	0.817	1.0	0.0															
103	102	106	0.808	1.0	0.0	90.8	-20.7	90.3	92.6	103	0.837	1.0	0.0	92.0	-19.4	91.7	93.8	102	0.8	1.0	0.0	0.735	1.0	0.0	87.5	-24.4	85.6	89.0	106	0.8	1.0	0.0															
104	103	107	0.779	1.0	0.0	89.6	-22.0	88.8	91.5	104	0.808	1.0	0.0	90.8	-20.7	90.3	92.6	103	0.783	1.0	0.0	0.721	1.0	0.0	86.6	-25.5	83.8	87.7	107	0.783	1.0	0.0															
105	104	109	0.75	1.0	0.0	88.5	-23.3	87.3	90.4	105	0.779	1.0	0.0	89.6	-22.0	88.8	91.5	104	0.767	1.0	0.0	0.693	1.0	0.0	84.7	-27.6	80.3	85.0	109	0.767	1.0	0.0															
106	105	110	0.735	1.0	0.0	87.5	-24.4	85.6	89.0	106	0.75	1.0	0.0	88.5	-23.3	87.3	90.4	105	0.75	1.0	0.0	0.678	1.0	0.0	83.7	-28.5	78.6	83.6	110	0.75	1.0	0.0															
107	106	111	0.721	1.0	0.0	86.6	-25.5	83.8	87.7	107	0.735	1.0	0.0	87.5	-24.4	85.6	89.0	106	0.733	1.0	0.0	0.664	1.0	0.0	82.8	-29.4	76.8	82.3	111	0.733	1.0	0.0															
108	107	112	0.707	1.0	0.0	85.6	-26.6	82.1	86.3	108	0.721	1.0	0.0	86.6	-25.5	83.8	87.7	107	0.717	1.0	0.0	0.65	1.0	0.0	81.8	-30.2	75.0	80.9	112	0.717	1.0	0.0															
109	108	113	0.693	1.0	0.0	84.7	-27.6	80.3	85.0	109	0.707	1.0	0.0	85.6	-26.6	82.1	86.3	108	0.7	1.0	0.0	0.635	1.0	0.0	80.9	-31.0	73.2	79.5	113	0.7	1.0	0.0															
110	109	114	0.678	1.0	0.0	83.7	-28.5	78.6	83.6	110	0.693	1.0	0.0	84.7	-27.6	80.3	85.0	109	0.683	1.0	0.0	0.621	1.0	0.0	80.0	-31.8	71.6	78.4	114	0.683	1.0	0.0															
111	110	116	0.664	1.0	0.0	82.8	-29.4	76.8	82.3	111	0.678	1.0	0.0	83.7	-28.5	78.6	83.6	110	0.667	1.0	0.0	0.589	1.0	0.0	78.3	-33.7	69.4	77.2	116	0.667	1.0	0.0															
112	111	117	0.65	1.0	0.0	81.8	-30.2	75.0	80.9	112	0.664	1.0	0.0	82.8	-29.4	76.8	82.3	111	0.65	1.0	0.0	0.574	1.0	0.0	77.5	-34.7	68.3	76.6	117	0.65	1.0	0.0															
113	112	118	0.635	1.0	0.0	80.9	-31.0	73.2	79.5	113	0.65	1.0	0.0	81.8	-30.2	75.0	80.9	112	0.633	1.0	0.0	0.558	1.0	0.0	76.7	-35.6	67.1	76.0	118	0.633	1.0	0.0															
114	113	119	0.621	1.0	0.0	80.0	-31.8	71.6	78.4	114	0.635	1.0	0.0	80.9	-31.0	73.2	79.5	113	0.617	1.0	0.0	0.542	1.0	0.0	75.9	-36.5	66.0	75.4	119	0.617	1.0	0.0															
115	114	120	0.605	1.0	0.0	79.2	-32.8	70.5	77.8	115	0.621	1.0	0.0	80.0	-31.8	71.6	78.4	114	0.6	1.0	0.0	0.527	1.0	0.0	75.1	-37.3	64.8	74.8	120	0.6	1.0	0.0															
116	115	121	0.589	1.0	0.0	78.3	-33.7	69.4	77.2	116	0.605	1.0	0.0	79.2	-32.8	70.5	77.8	115	0.583	1.0	0.0	0.511	1.0	0.0	74.3	-38.1	63.6	74.2																			

OE320-7N, Page of series 4/20, RX0, D65, XYZnw=1.7, 1.8, 1.8, 87.6, 92.7, 98.0, LAB*_{nw}=14.4, 0.3, 1.4, 97.1, -0.9, 1.9, not adapted

Output: laser printer HRS16_96; separation cmyn6*, D65 and D50, page 4/20

TUB-test chart OE32; 48 and 360 step hue circles, Page 4/20
Data of laser printer HRS16_96, separation cmyn6*, D65 and D50

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

TUB registration: 20110301-OE32/OE32L0NA.TXT /PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

See original or copy: <http://web.me.com/klaus.richter/OE32/OE32L0NA.TXT> /PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 31.9, 99.3, 151.6, 229.0, 299.3, 349.7$; 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^*_e s50M	rgb^*_d de361Mi	LAB^*_d de361Mix (x=LabCh)	rgb^*_e e50M	rgb^*_d dd361Mi	rgb^*_s ds361Mi	rgb^*_e e50M
121	120	127	0.511 1.0 0.0	74.3 -38.1 63.6 74.2 121	0.527 1.0 0.0	75.1 -37.3 64.8 74.8 120 0.5 1.0 0.0	0.406 1.0 0.0	70.1 -43.2 57.5 72.0 127 0.5 1.0 0.0					
122	121	128	0.495 1.0 0.0	73.5 -39.0 62.5 73.7 122	0.511 1.0 0.0	74.3 -38.1 63.6 74.2 121 0.483 1.0 0.0	0.389 1.0 0.0	69.4 -44.0 56.5 71.6 128 0.483 1.0 0.0					
123	122	130	0.477 1.0 0.0	72.8 -39.9 61.5 73.4 123	0.495 1.0 0.0	73.5 -39.0 62.5 73.7 122 0.467 1.0 0.0	0.359 1.0 0.0	68.2 -45.8 54.7 71.4 130 0.467 1.0 0.0					
124	123	131	0.459 1.0 0.0	72.1 -40.7 60.5 73.0 124	0.477 1.0 0.0	72.8 -39.9 61.5 73.4 123 0.45 1.0 0.0	0.345 1.0 0.0	67.7 -46.7 53.9 71.4 131 0.45 1.0 0.0					
125	124	132	0.442 1.0 0.0	71.5 -41.6 59.5 72.7 125	0.459 1.0 0.0	72.1 -40.7 60.5 73.0 124 0.433 1.0 0.0	0.332 1.0 0.0	67.1 -47.7 53.1 71.4 132 0.433 1.0 0.0					
126	125	133	0.424 1.0 0.0	70.8 -42.4 58.5 72.3 126	0.442 1.0 0.0	71.5 -41.6 59.5 72.7 125 0.417 1.0 0.0	0.319 1.0 0.0	66.6 -48.6 52.2 71.4 133 0.417 1.0 0.0					
127	126	134	0.406 1.0 0.0	70.1 -43.2 57.5 72.0 127	0.424 1.0 0.0	70.8 -42.4 58.5 72.3 126 0.4 1.0 0.0	0.305 1.0 0.0	66.0 -49.5 51.4 71.4 134 0.4 1.0 0.0					
128	127	135	0.389 1.0 0.0	69.4 -44.0 56.5 71.6 128	0.406 1.0 0.0	70.1 -43.2 57.5 72.0 127 0.383 1.0 0.0	0.292 1.0 0.0	65.5 -50.4 50.5 71.4 135 0.383 1.0 0.0					
129	128	137	0.372 1.0 0.0	68.8 -44.8 55.5 71.4 129	0.389 1.0 0.0	69.4 -44.0 56.5 71.6 128 0.367 1.0 0.0	0.266 1.0 0.0	64.4 -52.2 48.7 71.5 137 0.367 1.0 0.0					
130	129	138	0.359 1.0 0.0	68.2 -45.8 54.7 71.4 130	0.372 1.0 0.0	68.8 -44.8 55.5 71.4 129 0.35 1.0 0.0	0.252 1.0 0.0	63.8 -53.0 47.8 71.5 138 0.35 1.0 0.0					
131	130	139	0.345 1.0 0.0	67.7 -46.7 53.9 71.4 131	0.359 1.0 0.0	68.2 -45.8 54.7 71.4 130 0.333 1.0 0.0	0.237 1.0 0.0	63.3 -53.8 46.8 71.4 139 0.333 1.0 0.0					
132	131	140	0.332 1.0 0.0	67.1 -47.7 53.1 71.4 132	0.345 1.0 0.0	67.7 -46.7 53.9 71.4 131 0.317 1.0 0.0	0.22 1.0 0.0	62.8 -54.5 45.9 71.3 140 0.317 1.0 0.0					
133	132	141	0.319 1.0 0.0	66.6 -48.6 52.2 71.4 133	0.332 1.0 0.0	67.1 -47.7 53.1 71.4 132 0.3 1.0 0.0	0.204 1.0 0.0	62.4 -55.3 44.8 71.3 141 0.3 1.0 0.0					
134	133	142	0.305 1.0 0.0	66.0 -49.5 51.4 71.4 134	0.319 1.0 0.0	66.6 -48.6 52.2 71.4 133 0.283 1.0 0.0	0.188 1.0 0.0	61.9 -56.0 43.8 71.2 142 0.283 1.0 0.0					
135	134	144	0.292 1.0 0.0	65.5 -50.4 50.5 71.4 135	0.305 1.0 0.0	66.0 -49.5 51.4 71.4 134 0.267 1.0 0.0	0.155 1.0 0.0	60.9 -57.4 41.7 71.0 144 0.267 1.0 0.0					
136	135	145	0.279 1.0 0.0	64.9 -51.3 49.6 71.5 136	0.292 1.0 0.0	65.5 -50.4 50.5 71.4 135 0.25 1.0 0.0	0.139 1.0 0.0	60.5 -58.0 40.7 70.9 145 0.25 1.0 0.0					
137	136	146	0.266 1.0 0.0	64.4 -52.2 48.7 71.5 137	0.279 1.0 0.0	64.9 -51.3 49.6 71.5 136 0.233 1.0 0.0	0.121 1.0 0.0	60.0 -58.7 39.7 71.0 146 0.233 1.0 0.0					
138	137	147	0.252 1.0 0.0	63.8 -53.0 47.8 71.5 138	0.266 1.0 0.0	64.4 -52.2 48.7 71.5 137 0.217 1.0 0.0	0.1 1.0 0.0	59.4 -59.8 38.9 71.5 147 0.217 1.0 0.0					
139	138	148	0.237 1.0 0.0	63.3 -53.8 46.8 71.4 139	0.252 1.0 0.0	63.8 -53.0 47.8 71.5 138 0.2 1.0 0.0	0.078 1.0 0.0	58.8 -60.9 38.1 72.0 148 0.2 1.0 0.0					
140	139	149	0.22 1.0 0.0	62.8 -54.5 45.9 71.3 140	0.237 1.0 0.0	63.3 -53.8 46.8 71.4 139 0.183 1.0 0.0	0.057 1.0 0.0	58.2 -62.0 37.3 72.5 149 0.183 1.0 0.0					
141	140	151	0.204 1.0 0.0	62.4 -55.3 44.8 71.3 141	0.22 1.0 0.0	62.8 -54.5 45.9 71.3 140 0.167 1.0 0.0	0.014 1.0 0.0	57.1 -64.2 35.6 73.5 151 0.167 1.0 0.0					
142	141	152	0.188 1.0 0.0	61.9 -56.0 43.8 71.2 142	0.204 1.0 0.0	62.4 -55.3 44.8 71.3 141 0.15 1.0 0.0	0.0 1.0 0.007	56.7 -64.8 34.5 73.5 152 0.15 1.0 0.0					
143	142	153	0.171 1.0 0.0	61.4 -56.7 42.8 71.1 143	0.188 1.0 0.0	61.9 -56.0 43.8 71.2 142 0.133 1.0 0.0	0.0 1.0 0.026	56.7 -64.6 33.0 72.6 153 0.133 1.0 0.0					
144	143	154	0.155 1.0 0.0	60.9 -57.4 41.7 71.0 144	0.171 1.0 0.0	61.4 -56.7 42.8 71.1 143 0.117 1.0 0.0	0.0 1.0 0.045	56.6 -64.3 31.4 71.7 154 0.117 1.0 0.0					
145	144	155	0.139 1.0 0.0	60.5 -58.0 40.7 70.9 145	0.155 1.0 0.0	60.9 -57.4 41.7 71.0 144 0.1 1.0 0.0	0.0 1.0 0.064	56.5 -64.0 29.9 70.7 155 0.1 1.0 0.0					
146	145	156	0.121 1.0 0.0	60.0 -58.7 39.7 71.0 146	0.139 1.0 0.0	60.5 -58.0 40.7 70.9 145 0.083 1.0 0.0	0.0 1.0 0.083	56.4 -63.7 28.4 69.8 156 0.083 1.0 0.0					
147	146	158	0.1 1.0 0.0	59.4 -59.8 38.9 71.5 147	0.121 1.0 0.0	60.0 -58.7 39.7 71.0 146 0.067 1.0 0.0	0.0 1.0 0.121	56.3 -62.9 25.5 68.0 158 0.067 1.0 0.0					
148	147	159	0.078 1.0 0.0	58.8 -60.9 38.1 72.0 148	0.1 1.0 0.0	59.4 -59.8 38.9 71.5 147 0.05 1.0 0.0	0.0 1.0 0.137	56.3 -62.5 24.0 67.0 159 0.05 1.0 0.0					
149	148	160	0.057 1.0 0.0	58.2 -62.0 37.3 72.5 149	0.078 1.0 0.0	58.8 -60.9 38.1 72.0 148 0.033 1.0 0.0	0.0 1.0 0.152	56.3 -62.0 22.6 66.1 160 0.033 1.0 0.0					
150	149	161	0.035 1.0 0.0	57.7 -63.1 36.5 73.0 150	0.057 1.0 0.0	58.2 -62.0 37.3 72.5 149 0.017 1.0 0.0	0.0 1.0 0.168	56.4 -61.4 21.2 65.1 161 0.017 1.0 0.0					
151	150	162	0.014 1.0 0.0	57.1 -64.2 35.6 73.5 151	0.035 1.0 0.0	57.7 -63.1 36.5 73.0 150 0.0 1.0 0.0	0.0	0.183 56.4 -60.9 19.8 64.1 162 0.0 1.0 0.0					
152	151	163	0.0 1.0 0.007	56.7 -64.8 34.5 73.5 152	0.014 1.0 0.0	57.1 -64.2 35.6 73.5 151 0.0 1.0 0.017	0.0 1.0 0.199	56.4 -60.3 18.5 63.2 163 0.0 1.0 0.017					
153	152	164	0.0 1.0 0.026	56.7 -64.6 33.0 72.6 153	0.0 1.0 0.007	56.7 -64.8 34.5 73.5 152 0.0 1.0 0.033	0.0 1.0 0.214	56.5 -59.7 17.1 62.2 164 0.0 1.0 0.033					
154	153	165	0.0 1.0 0.045	56.6 -64.3 31.4 71.7 154	0.0 1.0 0.026	56.7 -64.6 33.0 72.6 153 0.0 1.0 0.05	0.0 1.0 0.229	56.5 -59.1 15.9 61.2 165 0.0 1.0 0.05					
155	154	166	0.0 1.0 0.064	56.5 -64.0 29.9 70.7 155	0.0 1.0 0.045	56.6 -64.3 31.4 71.7 154 0.0 1.0 0.067	0.0 1.0 0.245	56.5 -58.4 14.6 60.3 166 0.0 1.0 0.067					
156	155	167	0.0 1.0 0.083	56.4 -63.7 28.4 69.8 156	0.0 1.0 0.064	56.5 -64.0 29.9 70.7 155 0.0 1.0 0.083	0.0 1.0 0.26	56.6 -57.9 13.4 59.6 167 0.0 1.0 0.083					
157	156	168	0.0 1.0 0.102	56.4 -63.3 26.9 68.9 157	0.0 1.0 0.083	56.4 -63.7 28.4 69.8 156 0.0 1.0 0.1	0.0 1.0 0.274	56.6 -57.6 12.3 59.0 168 0.0 1.0 0.1					
158	157	169	0.0 1.0 0.121	56.3 -62.9 25.5 68.0 158	0.0 1.0 0.102	56.4 -63.3 26.9 68.9 157 0.0 1.0 0.117	0.0 1.0 0.289	56.7 -57.2 11.1 58.4 169 0.0 1.0 0.117					
159	158	170	0.0 1.0 0.137	56.3 -62.5 24.0 67.0 159	0.0 1.0 0.121	56.3 -62.9 25.5 68.0 158 0.0 1.0 0.133	0.0 1.0 0.304	56.7 -56.9 10.0 57.8 170 0.0 1.0 0.133					
160	159	170	0.0 1.0 0.152	56.3 -62.0 22.6 66.1 160	0.0 1.0 0.137	56.3 -62.5 24.0 67.0 159 0.0 1.0 0.15	0.0 1.0 0.304	56.7 -56.9 10.0 57.8 170 0.0 1.0 0.15					
161	160	171	0.0 1.0 0.168	56.4 -61.4 21.2 65.1 161	0.0 1.0 0.152	56.3 -62.0 22.6 66.1 160 0.0 1.0 0.167	0.0 1.0 0.319	56.7 -56.5 9.0 57.3 171 0.0 1.0 0.167					
162	161	172	0.0 1.0 0.183	56.4 -60.9 19.8 64.1 162	0.0 1.0 0.168	56.4 -61.4 21.2 65.1 161 0.0 1.0 0.183	0.0 1.0 0.333	56.8 -56.0 7.9 56.7 172 0.0 1.0 0.183					
163	162	173	0.0 1.0 0.199	56.4 -60.3 18.5 63.2 163	0.0 1.0 0.183	56.4 -60.9 19.8 64.1 162 0.0 1.0 0.2	0.0 1.0 0.348	56.8 -55.6 6.8 56.1 173 0.0 1.0 0.2					
164	163	174	0.0 1.0 0.214	56.5 -59.7 17.1 62.2 164	0.0 1.0 0.199	56.4 -60.3 18.5 63.2 163 0.0 1.0 0.217	0.0 1.0 0.363	56.9 -55.1 5.8 55.5 174 0.0 1.0 0.217					
165	164	175	0.0 1.0 0.229	56.5 -59.1 15.9 61.2 165	0.0 1.0 0.214	56.5 -59.7 17.1 62.2 164 0.0 1.0 0.233	0.0 1.0 0.377	56.9 -54.7 4.8 55.0 175 0.0 1.0 0.233					
166	165	176	0.0 1.0 0.245	56.5 -58.4 14.6 60.3 166	0.0 1.0 0.229	56.5 -59.1 15.9 61.2 165 0.0 1.0 0.25	0.0 1.0 0.391	56.9 -54.3 3.8 54.5 176 0.0 1.0 0.25					

OE320-7N, Page of series 5/20, RX0, D65, XYZnw=1.7, 1.8, 1.8, 87.6, 92.7, 98.0, LAB*_{nw}=14.4, 0.3, 1.4, 97.1, -0.9, 1.9, not adapted

Output: laser printer HRS16_96; separation cmyn6*, D65 and D50, page 5/20

TUB-test chart OE32; 48 and 360 step hue circles, Page 5/20
Data of laser printer HRS16_96, separation cmyn6*, D65 and D50

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

TUB registration: 20110301-OE32/OE32L0NA.TXT /PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

See original or copy: <http://web.me.com/klaus.richter/OEE32/OEE32L0NA.TXT> / .PS
 Technical information: <http://www.ps.ban.de> or <http://130.149.60.45/~fabdmetrik>

TUB registration: 20110301-OE32/OE32L0NA.TXT/.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system laser printer HRS16_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 : $h_{ab,d} = 31.9, 99.3, 151.6, 229.0, 299.3, 349.7$; Six hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

See original or copy: <http://web.me.com/klaus.richter/OE32/OE32L0NA.TXT> /PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 31.9, 99.3, 151.6, 229.0, 299.3, 349.7$; 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}	$1.0C_s$	$rgb^*_{de361Mi}$	$LAB^*_{de361Mix(x=LabCh)}$	rgb^*_{e50M}	$1.0C_e$	rgb^*_d	rgb^*_s	rgb^*_e								
211	210	217	0.0	1.0	0.845	55.6	-40.5	-24.3	47.4	211	0.0	1.0	0.983	1.0									
212	211	218	0.0	1.0	0.857	55.4	-40.2	-25.1	47.6	212	0.0	1.0	0.967	1.0									
213	212	219	0.0	1.0	0.87	55.2	-39.9	-25.9	47.7	213	0.0	1.0	0.95	1.0									
214	213	220	0.0	1.0	0.88	55.0	-39.6	-26.7	47.9	214	0.0	1.0	0.933	1.0									
215	214	221	0.0	1.0	0.888	54.8	-39.4	-27.5	48.2	215	0.0	1.0	0.936	53.5	-37.4								
216	215	222	0.0	1.0	0.896	54.6	-39.1	-28.4	48.4	216	0.0	1.0	0.944	53.3	-37.0								
217	216	222	0.0	1.0	0.904	54.4	-38.8	-29.2	48.7	217	0.0	1.0	0.944	53.3	-37.0								
218	217	223	0.0	1.0	0.912	54.2	-38.5	-30.0	48.9	218	0.0	1.0	0.952	53.1	-36.6								
219	218	224	0.0	1.0	0.92	53.9	-38.1	-30.9	49.2	219	0.0	1.0	0.96	52.8	-36.2								
220	219	225	0.0	1.0	0.928	53.7	-37.8	-31.7	49.5	220	0.0	1.0	0.968	52.6	-35.8								
221	220	226	0.0	1.0	0.936	53.5	-37.4	-32.5	49.7	221	0.0	1.0	0.976	52.4	-35.3								
222	221	227	0.0	1.0	0.944	53.3	-37.0	-33.3	50.0	222	0.0	1.0	0.984	52.2	-34.9								
223	222	228	0.0	1.0	0.952	53.1	-36.6	-34.2	50.2	223	0.0	1.0	0.992	52.0	-34.4								
224	223	229	0.0	1.0	0.96	52.8	-36.2	-35.0	50.5	224	0.0	1.0	1.0	51.7	-33.9								
225	224	230	0.0	1.0	0.968	52.6	-35.8	-35.8	50.7	225	0.0	1.0	0.962	1.0	51.6								
226	225	231	0.0	1.0	0.976	52.4	-35.3	-36.6	51.0	226	0.0	1.0	0.924	1.0	51.5								
227	226	232	0.0	1.0	0.984	52.2	-34.9	-37.4	51.3	227	0.0	1.0	0.885	1.0	51.4								
228	227	232	0.0	1.0	0.992	52.0	-34.4	-38.2	51.5	228	0.0	1.0	0.885	1.0	51.4								
229	228	233	0.0	1.0	1.0	51.7	-33.9	-39.0	51.8	229	0.0	1.0	0.86	1.0	51.4								
230	229	234	0.0	0.962	1.0	51.6	-33.3	-39.7	52.0	230	0.0	1.0	0.838	1.0	51.4								
231	230	235	0.0	0.924	1.0	51.5	-32.7	-40.4	52.1	231	0.0	1.0	0.817	1.0	51.4								
232	231	236	0.0	0.885	1.0	51.4	-32.1	-41.1	52.3	232	0.0	1.0	0.796	1.0	51.4								
233	232	237	0.0	0.86	1.0	51.4	-31.5	-41.8	52.5	233	0.0	1.0	0.775	1.0	51.4								
234	233	238	0.0	0.838	1.0	51.4	-30.8	-42.5	52.6	234	0.0	1.0	0.754	1.0	51.4								
235	234	239	0.0	0.817	1.0	51.4	-30.2	-43.1	52.8	235	0.0	1.0	0.738	1.0	51.1								
236	235	240	0.0	0.796	1.0	51.4	-29.5	-43.8	52.9	236	0.0	1.0	0.724	1.0	50.8								
237	236	241	0.0	0.775	1.0	51.4	-28.8	-44.4	53.1	237	0.0	1.0	0.709	1.0	50.5								
238	237	242	0.0	0.754	1.0	51.4	-28.1	-45.1	53.3	238	0.0	1.0	0.695	1.0	50.2								
239	238	243	0.0	0.738	1.0	51.1	-27.3	-45.5	53.2	239	0.0	1.0	0.68	1.0	49.9								
240	239	243	0.0	0.724	1.0	50.8	-26.5	-45.9	53.1	240	0.0	1.0	0.68	1.0	49.9								
241	240	244	0.0	0.709	1.0	50.5	-25.6	-46.3	53.0	241	0.0	1.0	0.666	1.0	49.5								
242	241	245	0.0	0.695	1.0	50.2	-24.7	-46.6	52.9	242	0.0	1.0	0.651	1.0	49.2								
243	242	246	0.0	0.68	1.0	49.9	-23.9	-47.0	52.8	243	0.0	1.0	0.637	1.0	48.9								
244	243	247	0.0	0.666	1.0	49.5	-23.0	-47.3	52.7	244	0.0	1.0	0.622	1.0	48.5								
245	244	248	0.0	0.651	1.0	49.2	-22.1	-47.6	52.6	245	0.0	1.0	0.606	1.0	48.0								
246	245	249	0.0	0.637	1.0	48.9	-21.3	-47.9	52.5	246	0.0	1.0	0.589	1.0	47.4								
247	246	250	0.0	0.622	1.0	48.5	-20.4	-48.1	52.4	247	0.0	1.0	0.573	1.0	46.8								
248	247	251	0.0	0.606	1.0	48.0	-19.4	-48.2	52.1	248	0.0	1.0	0.556	1.0	46.3								
249	248	252	0.0	0.589	1.0	47.4	-18.5	-48.3	51.8	249	0.0	1.0	0.539	1.0	45.7								
250	249	253	0.0	0.573	1.0	46.8	-17.5	-48.3	51.5	250	0.0	1.0	0.523	1.0	45.2								
251	250	253	0.0	0.556	1.0	46.3	-16.6	-48.4	51.3	251	0.0	1.0	0.523	1.0	45.2								
252	251	254	0.0	0.539	1.0	45.7	-15.6	-48.4	51.0	252	0.0	1.0	0.506	1.0	44.6								
253	252	255	0.0	0.523	1.0	45.2	-14.7	-48.4	50.7	253	0.0	1.0	0.492	1.0	44.1								
254	253	256	0.0	0.506	1.0	44.6	-13.8	-48.3	50.4	254	0.0	1.0	0.48	1.0	43.5								
255	254	257	0.0	0.492	1.0	44.1	-12.9	-48.4	50.2	255	0.0	1.0	0.468	1.0	43.0								
256	255	258	0.0	0.48	1.0	43.5	-12.0	-48.4	50.0	256	0.0	1.0	0.455	1.0	42.5								

OE320-7N, Page of series 7/20, RX0, D65, XYZnw=1.7, 1.8, 1.8, 87.6, 92.7, 98.0, LAB*_{nw}=14.4, 0.3, 1.4, 97.1, -0.9, 1.9, not adapted

Output: laser printer HRS16_96; separation cmyn6*, D65 and D50, page 7/20

TUB-test chart OE32; 48 and 360 step hue circles, Page 7/20
Data of laser printer HRS16_96, separation cmyn6*, D65 and D50

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

TUB registration: 20110301-OE32/OE32L0NA.TXT /PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

See original or copy: <http://web.me.com/klaus.richter/OE32/OE32L0NA.TXT> /PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 31.9, 99.3, 151.6, 229.0, 299.3, 349.7$; 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^*_{ddrg}								
256	255	258	0.0	0.48	1.0	43.5	-12.0	-48.4	50.0	256	0.0	0.492	1.0	44.1	-12.9	-48.4	50.2	255	0.0	0.25	1.0	0.0	0.455	1.0	42.5	-10.2	-48.5	49.6	258	0.0	0.25	1.0			
257	256	259	0.0	0.468	1.0	43.0	-11.1	-48.4	49.8	257	0.0	0.48	1.0	43.5	-12.0	-48.4	50.0	256	0.0	0.233	1.0	0.0	0.443	1.0	42.0	-9.3	-48.5	49.5	259	0.0	0.233	1.0			
258	257	260	0.0	0.455	1.0	42.5	-10.2	-48.5	49.6	258	0.0	0.468	1.0	43.0	-11.1	-48.4	49.8	257	0.0	0.217	1.0	0.0	0.43	1.0	41.5	-8.5	-48.5	49.3	260	0.0	0.217	1.0			
259	258	261	0.0	0.443	1.0	42.0	-9.3	-48.5	49.5	259	0.0	0.455	1.0	42.5	-10.2	-48.5	49.6	258	0.0	0.2	1.0	0.0	0.418	1.0	40.9	-7.6	-48.4	49.1	261	0.0	0.2	1.0			
260	259	262	0.0	0.43	1.0	41.5	-8.5	-48.5	49.3	260	0.0	0.443	1.0	42.0	-9.3	-48.5	49.5	259	0.0	0.183	1.0	0.0	0.406	1.0	40.4	-6.7	-48.4	49.0	262	0.0	0.183	1.0			
261	260	263	0.0	0.418	1.0	40.9	-7.6	-48.4	49.1	261	0.0	0.43	1.0	41.5	-8.5	-48.5	49.3	260	0.0	0.167	1.0	0.0	0.393	1.0	39.9	-5.8	-48.3	48.8	263	0.0	0.167	1.0			
262	261	264	0.0	0.406	1.0	40.4	-6.7	-48.4	49.0	262	0.0	0.418	1.0	40.9	-7.6	-48.4	49.1	261	0.0	0.15	1.0	0.0	0.381	1.0	39.4	-5.0	-48.2	48.6	264	0.0	0.15	1.0			
263	262	264	0.0	0.393	1.0	39.9	-5.8	-48.3	48.8	263	0.0	0.406	1.0	40.4	-6.7	-48.4	49.0	262	0.0	0.133	1.0	0.0	0.381	1.0	39.4	-5.0	-48.2	48.6	264	0.0	0.133	1.0			
264	263	265	0.0	0.381	1.0	39.4	-5.0	-48.2	48.6	264	0.0	0.393	1.0	39.9	-5.8	-48.3	48.8	263	0.0	0.117	1.0	0.0	0.369	1.0	38.9	-4.1	-48.2	48.5	265	0.0	0.117	1.0			
265	264	266	0.0	0.369	1.0	38.9	-4.1	-48.2	48.5	265	0.0	0.381	1.0	39.4	-5.0	-48.2	48.6	264	0.0	0.1	1.0	0.0	0.357	1.0	38.5	-3.3	-48.3	48.5	266	0.0	0.1	1.0			
266	265	267	0.0	0.357	1.0	38.5	-3.3	-48.3	48.5	266	0.0	0.369	1.0	38.9	-4.1	-48.2	48.5	265	0.0	0.083	1.0	0.0	0.345	1.0	38.0	-2.4	-48.4	48.5	267	0.0	0.083	1.0			
267	266	268	0.0	0.345	1.0	38.0	-2.4	-48.4	48.5	267	0.0	0.357	1.0	38.5	-3.3	-48.3	48.5	266	0.0	0.067	1.0	0.0	0.333	1.0	37.5	-1.6	-48.4	48.6	268	0.0	0.067	1.0			
268	267	269	0.0	0.333	1.0	37.5	-1.6	-48.4	48.6	268	0.0	0.345	1.0	38.0	-2.4	-48.4	48.5	267	0.0	0.05	1.0	0.0	0.321	1.0	37.1	-0.7	-48.5	48.6	269	0.0	0.05	1.0			
269	268	270	0.0	0.321	1.0	37.1	-0.7	-48.5	48.6	269	0.0	0.333	1.0	37.5	-1.6	-48.4	48.6	268	0.0	0.033	1.0	0.0	0.309	1.0	36.6	0.0	-48.5	48.6	270	0.0	0.033	1.0			
270	269	271	0.0	0.309	1.0	36.6	0.0	-48.5	48.6	270	0.0	0.321	1.0	37.1	-0.7	-48.5	48.6	269	0.0	0.017	1.0	0.0	0.297	1.0	36.2	0.8	-48.5	48.6	271	0.0	0.017	1.0			
271	270	272	0.0	0.297	1.0	36.2	0.8	-48.5	48.6	271	0.0	0.309	1.0	36.6	0.0	-48.5	48.6	270	0.0	0.0	1.0B _s	0.0	0.285	1.0	35.7	1.7	-48.5	48.6	272	0.0	0.0	1.0B _e			
272	271	273	0.0	0.285	1.0	35.7	1.7	-48.5	48.6	272	0.0	0.297	1.0	36.2	0.8	-48.5	48.6	271	0.017	0.0	1.0	0.0	0.273	1.0	35.3	2.5	-48.4	48.6	273	0.017	0.0	1.0			
273	272	274	0.0	0.273	1.0	35.3	2.5	-48.4	48.6	273	0.0	0.285	1.0	35.7	1.7	-48.5	48.6	272	0.033	0.0	1.0	0.0	0.261	1.0	34.8	3.4	-48.4	48.6	274	0.033	0.0	1.0			
274	273	275	0.0	0.261	1.0	34.8	3.4	-48.4	48.6	274	0.0	0.273	1.0	35.3	2.5	-48.4	48.6	273	0.05	0.0	1.0	0.0	0.249	1.0	34.4	4.2	-48.3	48.6	275	0.05	0.0	1.0			
275	274	276	0.0	0.249	1.0	34.4	4.2	-48.3	48.6	275	0.0	0.261	1.0	34.8	3.4	-48.4	48.6	274	0.067	0.0	1.0	0.0	0.239	1.0	34.4	5.1	-48.2	48.5	276	0.067	0.0	1.0			
276	275	276	0.0	0.239	1.0	34.4	5.1	-48.2	48.5	276	0.0	0.249	1.0	34.4	4.2	-48.3	48.6	275	0.083	0.0	1.0	0.0	0.239	1.0	34.4	5.1	-48.2	48.5	276	0.083	0.0	1.0			
277	276	277	0.0	0.229	1.0	34.4	5.9	-48.0	48.4	277	0.0	0.239	1.0	34.4	5.1	-48.2	48.5	276	0.1	0.0	1.0	0.0	0.229	1.0	34.4	5.9	-48.0	48.4	277	0.1	0.0	1.0			
278	277	278	0.0	0.219	1.0	34.3	6.7	-47.8	48.3	278	0.0	0.229	1.0	34.4	5.9	-48.0	48.4	277	0.117	0.0	1.0	0.0	0.219	1.0	34.3	6.7	-47.8	48.3	278	0.117	0.0	1.0			
279	278	279	0.0	0.209	1.0	34.3	7.5	-47.6	48.3	279	0.0	0.219	1.0	34.3	6.7	-47.8	48.3	278	0.133	0.0	1.0	0.0	0.209	1.0	34.3	7.5	-47.6	48.3	279	0.133	0.0	1.0			
280	279	280	0.0	0.198	1.0	34.3	8.4	-47.3	48.2	280	0.0	0.209	1.0	34.3	7.5	-47.6	48.3	279	0.15	0.0	1.0	0.0	0.198	1.0	34.3	8.4	-47.3	48.2	280	0.15	0.0	1.0			
281	280	281	0.0	0.188	1.0	34.2	9.2	-47.1	48.1	281	0.0	0.198	1.0	34.3	8.4	-47.3	48.2	280	0.167	0.0	1.0	0.0	0.188	1.0	34.2	9.2	-47.1	48.1	281	0.167	0.0	1.0			
282	281	282	0.0	0.178	1.0	34.2	10.0	-46.8	48.0	282	0.0	0.188	1.0	34.2	9.2	-47.1	48.1	281	0.183	0.0	1.0	0.0	0.178	1.0	34.2	10.0	-46.8	48.0	282	0.183	0.0	1.0			
283	282	283	0.0	0.168	1.0	34.2	10.8	-46.6	47.9	283	0.0	0.178	1.0	34.2	10.0	-46.8	48.0	282	0.2	0.0	1.0	0.0	0.168	1.0	34.2	10.8	-46.6	47.9	283	0.2	0.0	1.0			
284	283	284	0.0	0.158	1.0	34.2	11.6	-46.3	47.8	284	0.0	0.168	1.0	34.2	10.8	-46.6	47.9	283	0.217	0.0	1.0	0.0	0.158	1.0	34.2	11.6	-46.3	47.8	284	0.217	0.0	1.0			
285	284	285	0.0	0.148	1.0	34.1	12.4	-46.0	47.7	285	0.0	0.158	1.0	34.2	11.6	-46.3	47.8	284	0.233	0.0	1.0	0.0	0.148	1.0	34.1	12.4	-46.0	47.7	285	0.233	0.0	1.0			
286	285	286	0.0	0.138	1.0	34.1	13.1	-45.7	47.6	286	0.0	0.148	1.0	34.1	12.4	-46.0	47.7	285	0.25	0.0	1.0	0.0	0.138	1.0	34.1	13.1	-45.7	47.6	286	0.25	0.0	1.0			
287	286	287	0.0	0.127	1.0	34.1	13.9	-45.4	47.6	287	0.0	0.138	1.0	34.1	13.1	-45.7	47.6	286	0.267	0.0	1.0	0.0	0.127	1.0	34.1	13.9	-45.4	47.6	287	0.267	0.0	1.0			
288	287	288	0.0	0.117	1.0	33.9	14.7	-45.2	47.6	288	0.0	0.127	1.0	34.1	13.9	-45.4	47.6	287	0.283	0.0	1.0	0.0	0.117	1.0	33.9	14.7	-45.2	47.6	288	0.283	0.0	1.0			
289	288	289	0.0	0.107	1.0	33.7	15.6	-45.1	47.8	289	0.0	0.117	1.0	33.9	14.7	-45.2	47.6	288	0.																

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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 laser printer HRS16_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: $h_{ab,d} = 31.9, 99.3, 151.6, 229.0, 299.3, 349.7$; 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 de361Mix (x=LabCh)	rgb^*_s ds361Mi	LAB^*_s ds361Mix (x=LabCh)	rgb^*_o s50M	rgb^*_e de361Mi	LAB^*_e de361Mix (x=LabCh)	rgb^*_o e50M	rgb^*_d dd361Mi	rgb^*_s ds361Mi	rgb^*_o s50M	rgb^*_e de361Mi	rgb^*_d dd361Mi	rgb^*_s ds361Mi	rgb^*_o s50M	rgb^*_e de361Mi
301	300	300	0.024 0.0 1.0	31.3 25.6 -42.4 49.6	301	0.01 0.0 1.0	31.3 24.7 -42.7 49.4	300 0.5 0.0 1.0	0.01 0.0 1.0	31.3 24.7 -42.7 49.4	300 0.5 0.0 1.0	0.01 0.0 1.0	31.3 24.7 -42.7 49.4	300 0.5 0.0 1.0				
302	301	301	0.038 0.0 1.0	31.2 26.4 -42.2 49.8	302	0.024 0.0 1.0	31.3 25.6 -42.4 49.6	301 0.517 0.0 1.0	0.024 0.0 1.0	31.3 25.6 -42.4 49.6	301 0.517 0.0 1.0	0.024 0.0 1.0	31.3 25.6 -42.4 49.6	301 0.517 0.0 1.0				
303	302	302	0.053 0.0 1.0	31.2 27.3 -41.9 50.0	303	0.038 0.0 1.0	31.2 26.4 -42.2 49.8	302 0.533 0.0 1.0	0.038 0.0 1.0	31.2 26.4 -42.2 49.8	302 0.533 0.0 1.0	0.038 0.0 1.0	31.2 26.4 -42.2 49.8	302 0.533 0.0 1.0				
304	303	303	0.067 0.0 1.0	31.1 28.1 -41.6 50.3	304	0.053 0.0 1.0	31.2 27.3 -41.9 50.0	303 0.55 0.0 1.0	0.053 0.0 1.0	31.2 27.3 -41.9 50.0	303 0.55 0.0 1.0	0.053 0.0 1.0	31.2 27.3 -41.9 50.0	303 0.55 0.0 1.0				
305	304	304	0.081 0.0 1.0	31.1 29.0 -41.2 50.5	305	0.067 0.0 1.0	31.1 28.1 -41.6 50.3	304 0.567 0.0 1.0	0.067 0.0 1.0	31.1 28.1 -41.6 50.3	304 0.567 0.0 1.0	0.067 0.0 1.0	31.1 28.1 -41.6 50.3	304 0.567 0.0 1.0				
306	305	305	0.095 0.0 1.0	31.0 29.8 -40.9 50.7	306	0.081 0.0 1.0	31.1 29.0 -41.2 50.5	305 0.583 0.0 1.0	0.081 0.0 1.0	31.1 29.0 -41.2 50.5	305 0.583 0.0 1.0	0.081 0.0 1.0	31.1 29.0 -41.2 50.5	305 0.583 0.0 1.0				
307	306	306	0.11 0.0 1.0	31.0 30.6 -40.5 50.9	307	0.095 0.0 1.0	31.0 29.8 -40.9 50.7	306 0.6 0.0 1.0	0.095 0.0 1.0	31.0 29.8 -40.9 50.7	306 0.6 0.0 1.0	0.095 0.0 1.0	31.0 29.8 -40.9 50.7	306 0.6 0.0 1.0				
308	307	307	0.124 0.0 1.0	31.0 31.5 -40.2 51.1	308	0.11 0.0 1.0	31.0 30.6 -40.5 50.9	307 0.617 0.0 1.0	0.11 0.0 1.0	31.0 30.6 -40.5 50.9	307 0.617 0.0 1.0	0.11 0.0 1.0	31.0 30.6 -40.5 50.9	307 0.617 0.0 1.0				
309	308	308	0.137 0.0 1.0	30.9 32.3 -39.8 51.4	309	0.124 0.0 1.0	31.0 31.5 -40.2 51.1	308 0.633 0.0 1.0	0.124 0.0 1.0	31.0 31.5 -40.2 51.1	308 0.633 0.0 1.0	0.124 0.0 1.0	31.0 31.5 -40.2 51.1	308 0.633 0.0 1.0				
310	309	309	0.151 0.0 1.0	30.9 33.2 -39.5 51.7	310	0.137 0.0 1.0	30.9 32.3 -39.8 51.4	309 0.65 0.0 1.0	0.137 0.0 1.0	30.9 32.3 -39.8 51.4	309 0.65 0.0 1.0	0.137 0.0 1.0	30.9 32.3 -39.8 51.4	309 0.65 0.0 1.0				
311	310	310	0.165 0.0 1.0	30.9 34.1 -39.1 51.9	311	0.151 0.0 1.0	30.9 33.2 -39.5 51.7	310 0.667 0.0 1.0	0.151 0.0 1.0	30.9 33.2 -39.5 51.7	310 0.667 0.0 1.0	0.151 0.0 1.0	30.9 33.2 -39.5 51.7	310 0.667 0.0 1.0				
312	311	311	0.178 0.0 1.0	30.8 34.9 -38.7 52.2	312	0.165 0.0 1.0	30.9 34.1 -39.1 51.9	311 0.683 0.0 1.0	0.165 0.0 1.0	30.9 34.1 -39.1 51.9	311 0.683 0.0 1.0	0.165 0.0 1.0	30.9 34.1 -39.1 51.9	311 0.683 0.0 1.0				
313	312	312	0.192 0.0 1.0	30.8 35.8 -38.3 52.5	313	0.178 0.0 1.0	30.8 34.9 -38.7 52.2	312 0.7 0.0 1.0	0.178 0.0 1.0	30.8 34.9 -38.7 52.2	312 0.7 0.0 1.0	0.178 0.0 1.0	30.8 34.9 -38.7 52.2	312 0.7 0.0 1.0				
314	313	312	0.205 0.0 1.0	30.8 36.7 -37.9 52.8	314	0.192 0.0 1.0	30.8 35.8 -38.3 52.5	313 0.717 0.0 1.0	0.178 0.0 1.0	30.8 34.9 -38.7 52.2	312 0.717 0.0 1.0	0.178 0.0 1.0	30.8 34.9 -38.7 52.2	312 0.717 0.0 1.0				
315	314	313	0.219 0.0 1.0	30.8 37.5 -37.4 53.1	315	0.205 0.0 1.0	30.8 36.7 -37.9 52.8	314 0.733 0.0 1.0	0.192 0.0 1.0	30.8 35.8 -38.3 52.5	313 0.733 0.0 1.0	0.192 0.0 1.0	30.8 35.8 -38.3 52.5	313 0.733 0.0 1.0				
316	315	314	0.232 0.0 1.0	30.7 38.4 -37.0 53.3	316	0.219 0.0 1.0	30.8 37.5 -37.4 53.1	315 0.75 0.0 1.0	0.205 0.0 1.0	30.8 36.7 -37.9 52.8	314 0.75 0.0 1.0	0.205 0.0 1.0	30.8 36.7 -37.9 52.8	314 0.75 0.0 1.0				
317	316	315	0.246 0.0 1.0	30.7 39.2 -36.5 53.6	317	0.232 0.0 1.0	30.7 38.4 -37.0 53.3	316 0.767 0.0 1.0	0.219 0.0 1.0	30.8 37.5 -37.4 53.1	315 0.767 0.0 1.0	0.219 0.0 1.0	30.8 37.5 -37.4 53.1	315 0.767 0.0 1.0				
318	317	316	0.262 0.0 1.0	30.8 40.1 -36.0 53.9	318	0.246 0.0 1.0	30.7 39.2 -36.5 53.6	317 0.783 0.0 1.0	0.232 0.0 1.0	30.7 38.4 -37.0 53.3	316 0.783 0.0 1.0	0.232 0.0 1.0	30.7 38.4 -37.0 53.3	316 0.783 0.0 1.0				
319	318	317	0.278 0.0 1.0	31.0 40.9 -35.5 54.2	319	0.262 0.0 1.0	30.8 40.1 -36.0 53.9	318 0.8 0.0 1.0	0.246 0.0 1.0	30.7 39.2 -36.5 53.6	317 0.8 0.0 1.0	0.246 0.0 1.0	30.7 39.2 -36.5 53.6	317 0.8 0.0 1.0				
320	319	318	0.294 0.0 1.0	31.3 41.8 -34.9 54.5	320	0.278 0.0 1.0	31.0 40.9 -35.5 54.2	319 0.817 0.0 1.0	0.262 0.0 1.0	30.8 40.1 -36.0 53.9	318 0.817 0.0 1.0	0.262 0.0 1.0	30.8 40.1 -36.0 53.9	318 0.817 0.0 1.0				
321	320	319	0.311 0.0 1.0	31.5 42.6 -34.4 54.8	321	0.294 0.0 1.0	31.3 41.8 -34.9 54.5	320 0.833 0.0 1.0	0.278 0.0 1.0	31.0 40.9 -35.5 54.2	319 0.833 0.0 1.0	0.278 0.0 1.0	31.0 40.9 -35.5 54.2	319 0.833 0.0 1.0				
322	321	320	0.327 0.0 1.0	31.7 43.4 -33.8 55.1	322	0.311 0.0 1.0	31.5 42.6 -34.4 54.8	321 0.85 0.0 1.0	0.294 0.0 1.0	31.3 41.8 -34.9 54.5	320 0.85 0.0 1.0	0.294 0.0 1.0	31.3 41.8 -34.9 54.5	320 0.85 0.0 1.0				
323	322	321	0.344 0.0 1.0	31.9 44.3 -33.2 55.4	323	0.327 0.0 1.0	31.7 43.4 -33.8 55.1	322 0.867 0.0 1.0	0.311 0.0 1.0	31.5 42.6 -34.4 54.8	321 0.867 0.0 1.0	0.311 0.0 1.0	31.5 42.6 -34.4 54.8	321 0.867 0.0 1.0				
324	323	322	0.36 0.0 1.0	32.1 45.1 -32.6 55.7	324	0.344 0.0 1.0	31.9 44.3 -33.2 55.4	323 0.883 0.0 1.0	0.327 0.0 1.0	31.7 43.4 -33.8 55.1	322 0.883 0.0 1.0	0.327 0.0 1.0	31.7 43.4 -33.8 55.1	322 0.883 0.0 1.0				
325	324	323	0.377 0.0 1.0	32.3 45.9 -32.0 56.0	325	0.36 0.0 1.0	32.1 45.1 -32.6 55.7	324 0.9 0.0 1.0	0.344 0.0 1.0	31.9 44.3 -33.2 55.4	323 0.9 0.0 1.0	0.344 0.0 1.0	31.9 44.3 -33.2 55.4	323 0.9 0.0 1.0				
326	325	324	0.402 0.0 1.0	32.8 46.8 -31.5 56.4	326	0.377 0.0 1.0	32.3 45.9 -32.0 56.0	325 0.917 0.0 1.0	0.36 0.0 1.0	32.1 45.1 -32.6 55.7	324 0.917 0.0 1.0	0.36 0.0 1.0	32.1 45.1 -32.6 55.7	324 0.917 0.0 1.0				
327	326	325	0.428 0.0 1.0	33.2 47.7 -30.8 56.8	327	0.402 0.0 1.0	32.8 46.8 -31.5 56.4	326 0.933 0.0 1.0	0.377 0.0 1.0	32.3 45.9 -32.0 56.0	325 0.933 0.0 1.0	0.377 0.0 1.0	32.3 45.9 -32.0 56.0	325 0.933 0.0 1.0				
328	327	326	0.453 0.0 1.0	33.7 48.5 -30.2 57.2	328	0.428 0.0 1.0	33.2 47.7 -30.8 56.8	327 0.95 0.0 1.0	0.402 0.0 1.0	32.8 46.8 -31.5 56.4	326 0.95 0.0 1.0	0.402 0.0 1.0	32.8 46.8 -31.5 56.4	326 0.95 0.0 1.0				
329	328	327	0.478 0.0 1.0	34.1 49.4 -29.6 57.6	329	0.453 0.0 1.0	33.7 48.5 -30.2 57.2	328 0.967 0.0 1.0	0.428 0.0 1.0	33.2 47.7 -30.8 56.8	327 0.967 0.0 1.0	0.428 0.0 1.0	33.2 47.7 -30.8 56.8	327 0.967 0.0 1.0				
330	329	328	0.503 0.0 1.0	34.6 50.3 -28.9 58.0	330	0.478 0.0 1.0	34.1 49.4 -29.6 57.6	329 0.983 0.0 1.0	0.453 0.0 1.0	33.7 48.5 -30.2 57.2	328 0.983 0.0 1.0	0.453 0.0 1.0	33.7 48.5 -30.2 57.2	328 0.983 0.0 1.0				
331	330	329	0.529 0.0 1.0	35.1 51.2 -28.3 58.6	331	0.503 0.0 1.0	34.6 50.3 -28.9 58.0	330 1.0 0.0 1.0M _s	0.478 0.0 1.0	34.1 49.4 -29.6 57.6	329 1.0 0.0 1.0M _e	0.478 0.0 1.0	34.1 49.4 -29.6 57.6	329 1.0 0.0 1.0M _e				
332	331	330	0.555 0.0 1.0	35.6 52.2 -27.7 59.1	332	0.529 0.0 1.0	35.1 51.2 -28.3 58.6	331 1.0 0.0 0.983	0.503 0.0 1.0	34.6 50.3 -28.9 58.0	330 1.0 0.0 0.983	0.503 0.0 1.0	34.6 50.3 -28.9 58.0	330 1.0 0.0 0.983				
333	332	331	0.581 0.0 1.0	36.0 53.2 -27.0 59.7	333	0.555 0.0 1.0	35.6 52.2 -27.7 59.1	332 1.0 0.0 0.967	0.529 0.0 1.0	35.1 51.2 -28.3 58.6	331 1.0 0.0 0.967	0.529 0.0 1.0	35.1 51.2 -28.3 58.6	331 1.0 0.0 0.967				
334	333	331	0.607 0.0 1.0	36.5 54.1 -26.3 60.2	334	0.581 0.0 1.0	36.0 53.2 -27.0 59.7	333 1.0 0.0 0.95	0.529 0.0 1.0	35.1 51.2 -28.3 58.6	331 1.0 0.0 0.95	0.529 0.0 1.0	35.1 51.2 -28.3 58.6	331 1.0 0.0 0.95				
335	334	332	0.632 0.0 1.0	37.0 55.1 -25.6 60.8	335	0.607 0.0 1.0	36.5 54.1 -26.3 60.2	334 1.0 0.0 0.933	0.555 0.0 1.0	35.6 52.2 -27.7 59.1	332 1.0 0.0 0.933	0.555 0.0 1.0	35.6 52.2 -27.7 59.1	332 1.0 0.0 0.933				
336	335	333	0															

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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 laser printer HRS16_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: $h_{ab,d} = 31.9, 99.3, 151.6, 229.0, 299.3, 349.7$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Lab,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* _{da}	rgb* _{ds}	rgb* _{de}
346	345	343	0.913	0.0	1.0	42.9	66.9	-16.6	69.0	346	0.889	0.0	1.0	42.2	65.8	-17.5	68.1	345	1.0	0.0	0.75	0.836	0.0	1.0	40.9	63.5	-19.3	66.4	343	1.0	0.0	0.75																	
347	346	344	0.937	0.0	1.0	43.5	68.1	-15.6	69.9	347	0.913	0.0	1.0	42.9	66.9	-16.6	69.0	346	1.0	0.0	0.733	0.864	0.0	1.0	41.5	64.6	-18.4	67.2	344	1.0	0.0	0.733																	
348	347	345	0.961	0.0	1.0	44.2	69.2	-14.6	70.8	348	0.937	0.0	1.0	43.5	68.1	-15.6	69.9	347	1.0	0.0	0.717	0.889	0.0	1.0	42.2	65.8	-17.5	68.1	345	1.0	0.0	0.717																	
349	348	346	0.984	0.0	1.0	44.9	70.4	-13.6	71.7	349	0.961	0.0	1.0	44.2	69.2	-14.6	70.8	348	1.0	0.0	0.7	0.913	0.0	1.0	42.9	66.9	-16.6	69.0	346	1.0	0.0	0.7																	
350	349	347	1.0	0.0	0.985	45.3	71.1	-12.4	72.2	350	0.984	0.0	1.0	44.9	70.4	-13.6	71.7	349	1.0	0.0	0.683	0.937	0.0	1.0	43.5	68.1	-15.6	69.9	347	1.0	0.0	0.683																	
351	350	348	1.0	0.0	0.94	45.1	71.3	-11.2	72.1	351	1.0	0.0	0.985	45.3	71.1	-12.4	72.2	350	1.0	0.0	0.667	0.961	0.0	1.0	44.2	69.2	-14.6	70.8	348	1.0	0.0	0.667																	
352	351	349	1.0	0.0	0.895	44.8	71.4	-9.9	72.1	352	1.0	0.0	0.94	45.1	71.3	-11.2	72.1	351	1.0	0.0	0.65	0.984	0.0	1.0	44.9	70.4	-13.6	71.7	349	1.0	0.0	0.65																	
353	352	349	1.0	0.0	0.864	44.8	71.3	-8.7	71.8	353	1.0	0.0	0.895	44.8	71.4	-9.9	72.1	352	1.0	0.0	0.633	0.984	0.0	1.0	44.9	70.4	-13.6	71.7	349	1.0	0.0	0.633																	
354	353	350	1.0	0.0	0.843	44.8	71.0	-7.4	71.4	354	1.0	0.0	0.864	44.8	71.3	-8.7	71.8	353	1.0	0.0	0.617	1.0	0.0	0.985	45.3	71.1	-12.4	72.2	350	1.0	0.0	0.617																	
355	354	351	1.0	0.0	0.823	44.8	70.7	-6.1	71.0	355	1.0	0.0	0.843	44.8	71.0	-7.4	71.4	354	1.0	0.0	0.6	1.0	0.0	0.94	45.1	71.3	-11.2	72.1	351	1.0	0.0	0.6																	
356	355	352	1.0	0.0	0.802	44.8	70.4	-4.8	70.6	356	1.0	0.0	0.823	44.8	70.7	-6.1	71.0	355	1.0	0.0	0.583	1.0	0.0	0.895	44.8	71.4	-9.9	72.1	352	1.0	0.0	0.583																	
357	356	353	1.0	0.0	0.782	44.8	70.1	-3.6	70.2	357	1.0	0.0	0.802	44.8	70.4	-4.8	70.6	356	1.0	0.0	0.567	1.0	0.0	0.864	44.8	71.3	-8.7	71.8	353	1.0	0.0	0.567																	
358	357	354	1.0	0.0	0.761	44.8	69.7	-2.3	69.8	358	1.0	0.0	0.782	44.8	70.1	-3.6	70.2	357	1.0	0.0	0.55	1.0	0.0	0.843	44.8	71.0	-7.4	71.4	354	1.0	0.0	0.55																	
359	358	355	1.0	0.0	0.742	44.8	69.4	-1.1	69.4	359	1.0	0.0	0.761	44.8	69.7	-2.3	69.8	358	1.0	0.0	0.533	1.0	0.0	0.823	44.8	70.7	-6.1	71.0	355	1.0	0.0	0.533																	
0	359	356	1.0	0.0	0.724	44.8	69.0	0.0	69.0	0	1.0	0.0	0.742	44.8	69.4	-1.1	69.4	359	1.0	0.0	0.517	1.0	0.0	0.802	44.8	70.4	-4.8	70.6	356	1.0	0.0	0.517																	
1	360	357	1.0	0.0	0.706	44.8	68.7	1.2	68.7	1	1.0	0.0	0.724	44.8	69.0	0.0	69.0	0	1.0	0.0	0.5	1.0	0.0	0.782	44.8	70.1	-3.6	70.2	357	1.0	0.0	0.5																	
2	361	358	1.0	0.0	0.688	44.8	68.3	2.4	68.3	2	1.0	0.0	0.706	44.8	68.7	1.2	68.7	1	1.0	0.0	0.483	1.0	0.0	0.761	44.8	69.7	-2.3	69.8	358	1.0	0.0	0.483																	
3	362	359	1.0	0.0	0.671	44.8	67.8	3.6	67.9	3	1.0	0.0	0.688	44.8	68.3	2.4	68.3	2	1.0	0.0	0.467	1.0	0.0	0.742	44.8	69.4	-1.1	69.4	359	1.0	0.0	0.467																	
4	363	360	1.0	0.0	0.653	44.8	67.4	4.7	67.6	4	1.0	0.0	0.671	44.8	67.8	3.6	67.9	3	1.0	0.0	0.45	1.0	0.0	0.724	44.8	69.0	0.0	69.0	0	1.0	0.0	0.45																	
5	364	361	1.0	0.0	0.635	44.8	66.9	5.9	67.2	5	1.0	0.0	0.653	44.8	67.4	4.7	67.6	4	1.0	0.0	0.433	1.0	0.0	0.706	44.8	68.7	1.2	68.7	1	1.0	0.0	0.433																	
6	365	362	1.0	0.0	0.615	44.8	66.5	7.0	66.9	6	1.0	0.0	0.635	44.8	66.9	5.9	67.2	5	1.0	0.0	0.417	1.0	0.0	0.688	44.8	68.3	2.4	68.3	2	1.0	0.0	0.417																	
7	366	363	1.0	0.0	0.593	44.7	66.2	8.1	66.7	7	1.0	0.0	0.615	44.8	66.5	7.0	66.9	6	1.0	0.0	0.4	1.0	0.0	0.671	44.8	67.8	3.6	67.9	3	1.0	0.0	0.4																	
8	367	364	1.0	0.0	0.571	44.7	65.8	9.2	66.4	8	1.0	0.0	0.593	44.7	66.2	8.1	66.7	7	1.0	0.0	0.383	1.0	0.0	0.653	44.8	67.4	4.7	67.6	4	1.0	0.0	0.383																	
9	368	365	1.0	0.0	0.549	44.7	65.4	10.4	66.2	9	1.0	0.0	0.571	44.7	65.8	9.2	66.4	8	1.0	0.0	0.367	1.0	0.0	0.635	44.8	66.9	5.9	67.2	5	1.0	0.0	0.367																	
10	369	366	1.0	0.0	0.527	44.7	64.9	11.5	65.9	10	1.0	0.0	0.549	44.7	65.4	10.4	66.2	9	1.0	0.0	0.35	1.0	0.0	0.615	44.8	66.5	7.0	66.9	6	1.0	0.0	0.35																	
11	370	367	1.0	0.0	0.504	44.7	64.5	12.5	65.7	11	1.0	0.0	0.527	44.7	64.9	11.5	65.9	10	1.0	0.0	0.333	1.0	0.0	0.593	44.7	66.2	8.1	66.7	7	1.0	0.0	0.333																	
12	371	367	1.0	0.0	0.483	44.7	64.3	13.7	65.7	12	1.0	0.0	0.504	44.7	64.5	12.5	65.7	11	1.0	0.0	0.317	1.0	0.0	0.593	44.7	66.2	8.1	66.7	7	1.0	0.0	0.317																	
13	372	368	1.0	0.0	0.461	44.7	64.1	14.8	65.8	13	1.0	0.0	0.483	44.7	64.3	13.7	65.7	12	1.0	0.0	0.3	1.0	0.0	0.571	44.7	65.8	9.2	66.4	8	1.0	0.0	0.3																	
14	373	369	1.0	0.0	0.44	44.7	63.9	15.9	65.8	14	1.0	0.0	0.461	44.7	64.1	14.8	65.8	13	1.0	0.0	0.283	1.0	0.0	0.549	44.7	65.4	10.4	66.2	9	1.0	0.0	0.283																	
15	374	370	1.0	0.0	0.419	44.7	63.6	17.1	65.9	15	1.0	0.0	0.44	44.7	63.9	15.9	65.8	14	1.0	0.0	0.267	1.0	0.0	0.527	44.7	64.9	11.5	65.9	10	1.0	0.0	0.267																	
16	375	371	1.0	0.0	0.397	44.7	63.4	18.2	65.9	16	1.0	0.0	0.419	44.7	63.6	17.1	65.9	15	1.0	0.0	0.25	1.0	0.0	0.504	44.7	64.5	12.5	65.7	11	1.0	0.0	0.25																	
17	376	372	1.0	0.0	0.376	44.6	63.1	19.3	66.0	17	1.0	0.0	0.397	44.7	63.4	18.2	65.9	16	1.0	0.0	0.233	1.0	0.0	0.483	44.7	64.3	13.7	65.7	12	1.0	0.0	0.233																	
18	377	373	1.0	0.0	0.355	44.7	63.0	20.5	66.2	18	1.0	0.0	0.376																																				

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 32.4, 95.2, 152.9, 225.9, 293.8, 352.6$; 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

$LCH^*_d = 91.8 \ 83.1 \ 95.1$

$LAB^*_d = 91.8 \ -7.4 \ 82.7$

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

L=G_d Leaf green

$LCH^*_d = 55.9 \ 68.1 \ 152.8$

$LAB^*_d = 55.9 \ -60.6 \ 31.0$

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

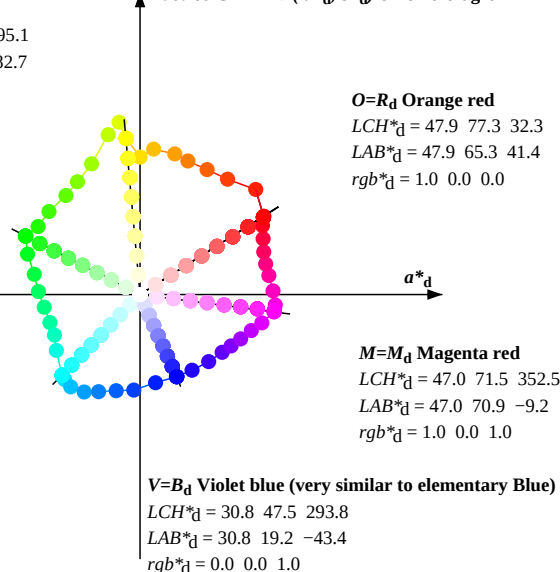
C=C_d Cyan blue

$LCH^*_d = 50.1 \ 59.3 \ 225.8$

$LAB^*_d = 50.1 \ -41.3 \ -42.5$

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

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



J_e Yellow

$LCH^*_e = 89.2 \ 76.8 \ 92.0$

$LAB^*_e = 89.2 \ -2.6 \ 76.7$

$rgb^*_e = 1.0 \ 0.924 \ 0.0$

G_e Green

$LCH^*_e = 55.4 \ 61.9 \ 162.0$

$LAB^*_e = 55.4 \ -58.9 \ 19.1$

$rgb^*_e = 0.0 \ 1.0 \ 0.149$

C_e Blue green

$LCH^*_e = 52.7 \ 54.8 \ 217.0$

$LAB^*_e = 52.7 \ -43.8 \ -33.0$

$rgb^*_e = 0.0 \ 1.0 \ 0.909$

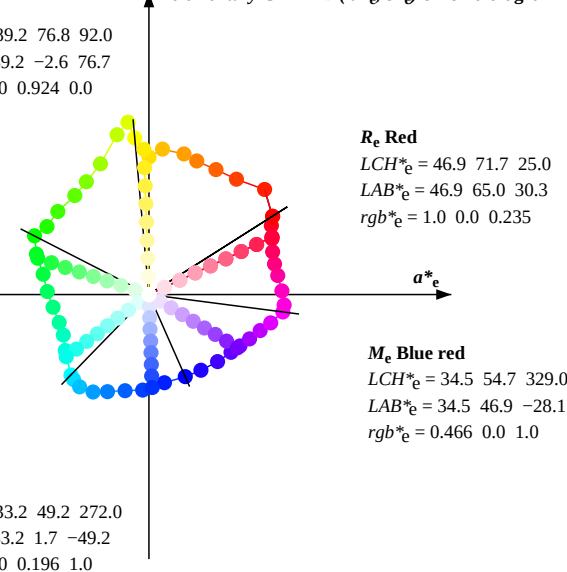
B_e Blue

$LCH^*_e = 33.2 \ 49.2 \ 272.0$

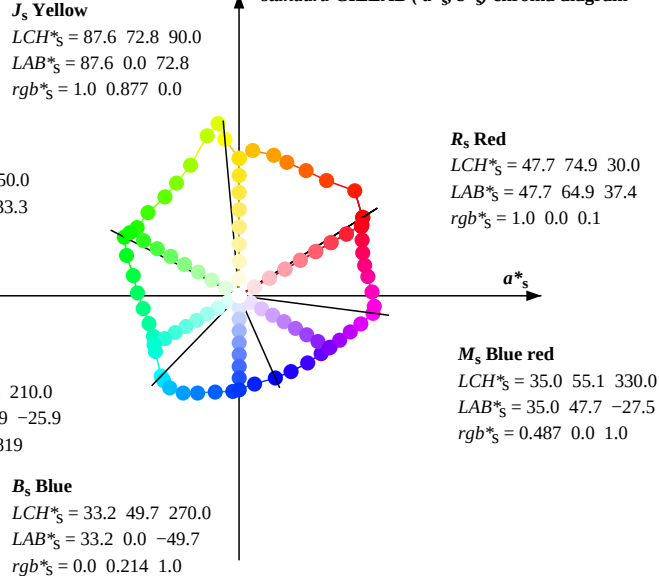
$LAB^*_e = 33.2 \ 1.7 \ -49.2$

$rgb^*_e = 0.0 \ 0.196 \ 1.0$

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



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



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

- For the rgb^*_d -input values the CIELAB data LCH^*_d and LAB^*_d have been measured.
- For the calculation of the standard hue angle $h_{ab,s}$ use for any device values rgb^*_d the equation:
$$h_{ab,s} = \text{atan} [r^*_d \cos(30) + g^*_d \cos(150)] / [r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270)] \quad (1)$$
- 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:
$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- 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:
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- 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.
- The values rgb^*_d produce the output of the device-independent elementary hues

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 32.4, 95.2, 152.9, 225.9, 293.8, 352.6$; 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^*_{dd50M}	$LAB^*_{dd50Mx(x=LabCh)}$	rgb^*_{ds50M}	$LAB^*_{ds50Mx(x=LabCh)}$	rgb^*_{s50M}	rgb^*_{de50M}	$LAB^*_{de50Mx(x=LabCh)}$	rgb^*_{e50M}
32.4	30.0	25.5	1.0	0.0	0.0	48.0	65.4	41.4	77.4	32.4
42.2	37.5	33.8	1.0	0.125	0.0	54.0	61.2	55.6	82.7	42.2
52.8	45.0	42.2	1.0	0.25	0.0	61.6	46.3	61.0	76.6	52.8
61.8	52.5	50.5	1.0	0.375	0.0	67.4	35.4	66.2	75.1	61.8
70.3	60.0	58.9	1.0	0.5	0.0	72.7	25.3	70.6	75.0	70.3
76.0	67.5	67.2	1.0	0.625	0.0	76.5	18.5	74.4	76.6	76.0
84.7	75.0	75.6	1.0	0.75	0.0	83.0	7.1	76.9	77.2	84.7
89.9	82.5	84.0	1.0	0.875	0.0	87.5	0.1	72.7	72.7	89.9
95.2	90.0	92.3	1.0	1.0	0.0	91.9	-7.4	82.8	83.1	95.2
96.9	97.5	101.1	0.875	1.0	0.0	94.0	-11.0	91.2	91.9	96.9
101.3	105.0	109.8	0.75	1.0	0.0	88.8	-16.8	84.6	86.3	101.3
110.3	112.5	118.5	0.625	1.0	0.0	80.2	-25.5	69.1	73.7	110.3
119.0	120.0	127.3	0.5	1.0	0.0	73.5	-33.0	59.7	68.2	119.0
126.9	127.5	136.0	0.375	1.0	0.0	68.6	-39.1	52.3	65.4	126.9
137.6	135.0	144.7	0.25	1.0	0.0	63.2	-48.0	44.0	65.2	137.6
146.3	142.5	153.5	0.125	1.0	0.0	59.4	-53.9	36.0	64.9	146.3
152.9	150.0	162.2	0.0	1.0	0.0	55.9	-60.5	31.0	68.1	152.9
160.2	157.5	169.1	0.0	1.0	0.125	55.4	-59.3	21.4	63.2	160.2
169.2	165.0	175.9	0.0	1.0	0.25	55.6	-55.9	10.7	57.0	169.2
178.2	172.5	182.8	0.0	1.0	0.375	55.9	-53.7	1.6	53.9	178.2
187.6	180.0	189.6	0.0	1.0	0.5	56.1	-50.6	-6.6	51.2	187.6
197.3	187.5	196.4	0.0	1.0	0.625	56.2	-47.5	-14.7	49.8	197.3
205.4	195.0	203.3	0.0	1.0	0.75	55.7	-45.2	-21.4	50.2	205.4
213.7	202.5	210.1	0.0	1.0	0.875	53.8	-44.2	-29.4	53.2	213.7
225.9	210.0	217.0	0.0	1.0	1.0	50.1	-41.2	-42.5	59.3	225.9
228.4	217.5	223.8	0.0	0.875	1.0	49.7	-39.8	-44.8	60.1	228.4
233.1	225.0	230.7	0.0	0.75	1.0	49.7	-36.5	-48.7	61.0	233.1
240.2	232.5	237.5	0.0	0.625	1.0	47.0	-29.4	-51.4	59.4	240.2
246.8	240.0	244.4	0.0	0.5	1.0	42.8	-21.9	-51.3	55.9	246.8
256.1	247.5	251.2	0.0	0.375	1.0	37.8	-12.5	-50.8	52.4	256.1
266.2	255.0	258.0	0.0	0.25	1.0	33.2	-3.3	-50.5	50.7	266.2
279.9	262.5	264.9	0.0	0.125	1.0	33.2	8.1	-46.6	47.4	279.9
293.8	270.0	271.7	0.0	0.0	1.0	30.8	19.2	-43.4	47.5	293.8
304.4	277.5	278.8	0.125	0.0	1.0	30.8	27.5	-40.0	48.6	304.4
315.6	285.0	286.0	0.25	0.0	1.0	30.9	36.2	-35.4	50.8	315.6
324.7	292.5	293.1	0.375	0.0	1.0	32.8	43.3	-30.6	53.1	324.7
330.6	300.0	300.2	0.5	0.0	1.0	35.3	48.2	-27.1	55.3	330.6
336.2	307.5	307.3	0.625	0.0	1.0	37.8	53.3	-23.4	58.2	336.2
342.0	315.0	314.4	0.75	0.0	1.0	40.1	58.8	-19.0	61.8	342.0
347.0	322.5	321.5	0.875	0.0	1.0	43.2	64.4	-14.8	66.1	347.0
352.6	330.0	328.6	1.0	0.0	1.0	47.0	70.9	-9.1	71.5	352.6
355.5	337.5	335.7	1.0	0.0	0.875	46.5	71.5	-5.5	71.7	355.5
361.7	345.0	342.8	1.0	0.0	0.75	46.6	70.3	2.0	70.4	361.7
368.4	352.5	349.9	1.0	0.0	0.625	46.6	68.2	10.1	68.9	368.4
373.7	360.0	357.0	1.0	0.0	0.5	46.5	66.4	16.2	68.3	373.7
379.1	367.5	364.2	1.0	0.0	0.375	46.5	65.5	22.7	69.3	379.1
384.4	375.0	371.3	1.0	0.0	0.25	46.9	65.0	29.5	71.4	384.4
389.4	382.5	378.4	1.0	0.0	0.125	47.7	64.8	36.5	74.4	389.4
392.4	390.0	385.5	1.0	0.0	0.0	48.0	65.4	41.4	77.4	392.4

OE320-7N, Page of series 12/20, RX0, D50, XYZnw=1.8, 1.8, 1.4, 89.1, 92.8, 74.4, LAB*nw=14.4, 0.5, 1.4, 97.1, -0.6, 1.9, not adapted

Output: laser printer HRS16_96; separation cmyn6*, D65 and D50, page 12/20

See original or copy: <http://web.me.com/klaus.richter/OE32/OE32L0NA.TXT> /PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 32.4, 95.2, 152.9, 225.9, 293.8, 352.6$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Angles of the device colours in h_{ab} , $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$													Angles of the elementary colours in h_{ab} , $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$													Angles of the device colours in h_{ab} , $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$													Angles of the elementary colours in h_{ab} , $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$													Angles of the device colours in h_{ab} , $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$													Angles of the elementary colours in h_{ab} , $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$, $L^*a^*b^*$																																																																																																																																																																																																																																																									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$	$LAB^*_{dd361Mix}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mix}(x=LabCh)$	rgb^*_{s50M}	$LAB^*_{de361Mi}$	$LAB^*_{de361Mix}(x=LabCh)$	rgb^*_{e50M}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	

TUB registration: 20110301-OE32/OE32L0NA.TXT /PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

See original or copy: <http://web.me.com/klaus.richter/OE32/OE32L0NA.TXT> /PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 32.4, 95.2, 152.9, 225.9, 293.8, 352.6$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Angles of the device colours of Lab _d (L*, a*, b*)										Angles of the elementary colours of Lab _e (L*, a*, b*)										Angles of the device colours of Lab _d (L*, a*, b*)																									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$					$LAB^*_{dd361Mix}(x=LabCh)$					$rgb^*_{ds361Mi}$					$LAB^*_{ds361Mix}(x=LabCh)$					rgb^*_{s50M}					$rgb^*_{de361Mi}$					$LAB^*_{de361Mix}(x=LabCh)$					rgb^*_{e50M}					rgb^*_{da}	rgb^*_{ds}	rgb^*_{de}
77	75	76	1.0	0.639	0.0	77.2	17.3	74.7	76.7	77	1.0	0.602	0.0	75.8	19.8	73.7	76.3	75	1.0	0.75	0.0	1.0	0.624	0.0	76.4	18.5	74.3	76.6	76	1.0	0.75	0.0													
78	76	77	1.0	0.653	0.0	77.9	16.0	75.1	76.8	78	1.0	0.624	0.0	76.4	18.5	74.3	76.6	76	1.0	0.767	0.0	1.0	0.639	0.0	77.2	17.3	74.7	76.7	77	1.0	0.767	0.0													
79	77	78	1.0	0.668	0.0	78.7	14.7	75.4	76.8	79	1.0	0.639	0.0	77.2	17.3	74.7	76.7	77	1.0	0.783	0.0	1.0	0.653	0.0	77.9	16.0	75.1	76.8	78	1.0	0.783	0.0													
80	78	79	1.0	0.682	0.0	79.4	13.4	75.7	76.9	80	1.0	0.653	0.0	77.9	16.0	75.1	76.8	78	1.0	0.8	0.0	1.0	0.668	0.0	78.7	14.7	75.4	76.8	79	1.0	0.8	0.0													
81	79	80	1.0	0.697	0.0	80.2	12.0	76.0	77.0	81	1.0	0.668	0.0	78.7	14.7	75.4	76.8	79	1.0	0.817	0.0	1.0	0.682	0.0	79.4	13.4	75.7	76.9	80	1.0	0.817	0.0													
82	80	81	1.0	0.711	0.0	81.0	10.7	76.3	77.1	82	1.0	0.682	0.0	79.4	13.4	75.7	76.9	80	1.0	0.833	0.0	1.0	0.697	0.0	80.2	12.0	76.0	77.0	81	1.0	0.833	0.0													
83	81	82	1.0	0.725	0.0	81.7	9.4	76.5	77.1	83	1.0	0.697	0.0	80.2	12.0	76.0	77.0	81	1.0	0.85	0.0	1.0	0.711	0.0	81.0	10.7	76.3	77.1	82	1.0	0.85	0.0													
84	82	83	1.0	0.74	0.0	82.5	8.1	76.8	77.2	84	1.0	0.711	0.0	81.0	10.7	76.3	77.1	82	1.0	0.867	0.0	1.0	0.725	0.0	81.7	9.4	76.5	77.1	83	1.0	0.867	0.0													
85	83	85	1.0	0.757	0.0	83.3	6.7	76.7	77.0	85	1.0	0.725	0.0	81.7	9.4	76.5	77.1	83	1.0	0.883	0.0	1.0	0.757	0.0	83.3	6.7	76.7	77.0	85	1.0	0.883	0.0													
86	84	86	1.0	0.781	0.0	84.1	5.3	75.9	76.1	86	1.0	0.74	0.0	82.5	8.1	76.8	77.2	84	1.0	0.9	0.0	1.0	0.781	0.0	84.1	5.3	75.9	76.1	86	1.0	0.9	0.0													
87	85	87	1.0	0.805	0.0	85.0	3.9	75.1	75.2	87	1.0	0.757	0.0	83.3	6.7	76.7	77.0	85	1.0	0.917	0.0	1.0	0.805	0.0	85.0	3.9	75.1	75.2	87	1.0	0.917	0.0													
88	86	88	1.0	0.829	0.0	85.9	2.6	74.3	74.3	88	1.0	0.781	0.0	84.1	5.3	75.9	76.1	86	1.0	0.933	0.0	1.0	0.829	0.0	85.9	2.6	74.3	74.3	88	1.0	0.933	0.0													
89	87	89	1.0	0.853	0.0	86.8	1.3	73.4	73.4	89	1.0	0.805	0.0	85.0	3.9	75.1	75.2	87	1.0	0.95	0.0	1.0	0.853	0.0	86.8	1.3	73.4	73.4	89	1.0	0.95	0.0													
90	88	90	1.0	0.877	0.0	87.6	0.0	72.9	72.9	90	1.0	0.829	0.0	85.9	2.6	74.3	74.3	88	1.0	0.967	0.0	1.0	0.877	0.0	87.6	0.0	72.9	72.9	90	1.0	0.967	0.0													
91	89	91	1.0	0.901	0.0	88.4	-1.2	74.8	74.8	91	1.0	0.853	0.0	86.8	1.3	73.4	73.4	89	1.0	0.983	0.0	1.0	0.901	0.0	88.4	-1.2	74.8	74.8	91	1.0	0.983	0.0													
92	90	92	1.0	0.925	0.0	89.3	-2.6	76.8	76.8	92	1.0	0.877	0.0	87.6	0.0	72.9	72.9	90	1.0	1.0	0.0J _s	1.0	0.925	0.0	89.3	-2.6	76.8	76.8	92	1.0	1.0	0.0J _e													
93	91	93	1.0	0.948	0.0	90.1	-4.0	78.7	78.8	93	1.0	0.901	0.0	88.4	-1.2	74.8	74.8	91	0.983	1.0	0.0	1.0	0.948	0.0	90.1	-4.0	78.7	78.8	93	0.983	1.0	0.0													
94	92	95	1.0	0.972	0.0	90.9	-5.5	80.6	80.8	94	1.0	0.925	0.0	89.3	-2.6	76.8	76.8	92	0.967	1.0	0.0	1.0	0.996	0.0	91.7	-7.1	82.5	82.8	95	0.967	1.0	0.0													
95	93	96	1.0	0.996	0.0	91.7	-7.1	82.5	82.8	95 J _d	1.0	0.948	0.0	90.1	-4.0	78.7	78.8	93	0.95	1.0	0.0	1.0	0.942	1.0	0.0	92.8	-9.0	86.7	87.2	96	0.95	1.0	0.0												
96	94	97	0.942	1.0	0.0	92.8	-9.0	86.7	87.2	96	1.0	0.972	0.0	90.9	-5.5	80.6	80.8	94	0.933	1.0	0.0	1.0	0.873	1.0	0.0	93.9	-11.1	91.1	91.8	97	0.933	1.0	0.0												
97	95	98	0.873	1.0	0.0	93.9	-11.1	91.1	91.8	97	1.0	0.996	0.0	91.7	-7.1	82.5	82.8	95	0.917	1.0	0.0	1.0	0.845	1.0	0.0	92.7	-12.5	89.6	90.5	98	0.917	1.0	0.0												
98	96	99	0.845	1.0	0.0	92.7	-12.5	89.6	90.5	98	0.942	1.0	0.0	92.8	-9.0	86.7	87.2	96	0.9	1.0	0.0	1.0	0.816	1.0	0.0	91.5	-13.9	88.1	89.2	99	0.9	1.0	0.0												
99	97	100	0.816	1.0	0.0	91.5	-13.9	88.1	89.2	99	0.873	1.0	0.0	93.9	-11.1	91.1	91.8	97	0.883	1.0	0.0	1.0	0.788	1.0	0.0	90.3	-15.2	86.6	88.0	100	0.883	1.0	0.0												
100	98	102	0.788	1.0	0.0	90.3	-15.2	86.6	88.0	100	0.845	1.0	0.0	92.7	-12.5	89.6	90.5	98	0.867	1.0	0.0	1.0	0.741	1.0	0.0	88.1	-17.6	83.5	85.4	102	0.867	1.0	0.0												
101	99	103	0.759	1.0	0.0	89.2	-16.4	85.1	86.7	101	0.816	1.0	0.0	91.5	-13.9	88.1	89.2	99	0.85	1.0	0.0	1.0	0.727	1.0	0.0	87.2	-18.8	81.8	84.0	103	0.85	1.0	0.0												
102	100	104	0.741	1.0	0.0	88.1	-17.6	83.5	85.4	102	0.788	1.0	0.0	90.3	-15.2	86.6	88.0	100	0.833	1.0	0.0	1.0	0.713	1.0	0.0	86.2	-19.9	80.1	82.6	104	0.833	1.0	0.0												
103	101	105	0.727	1.0	0.0	87.2	-18.8	81.8	84.0	103	0.759	1.0	0.0	89.2	-16.4	85.1	86.7	101	0.817	1.0	0.0	1.0	0.699	1.0	0.0	85.3	-20.9	78.4	81.2	105	0.817	1.0	0.0												
104	102	106	0.713	1.0	0.0	86.2	-19.9	80.1	82.6	104	0.741	1.0	0.0	88.1	-17.6	83.5	85.4	102	0.8	1.0	0.0	1.0	0.685	1.0	0.0	84.3	-21.9	76.7	79.8	106	0.8	1.0	0.0												
105	103	107	0.699	1.0	0.0	85.3	-20.9	78.4	81.2	105	0.727	1.0	0.0	87.2	-18.8	81.8	84.0	103	0.783	1.0	0.0	1.0	0.671	1.0	0.0	83.4	-22.8	74.9	78.4	107	0.783	1.0	0.0												
106	104	109	0.685	1.0	0.0	84.3	-21.9	76.7	79.8	106	0.713	1.0	0.0	86.2	-19.9	80.1	82.6	104	0.767	1.0	0.0	1.0	0.643	1.0	0.0	81.5	-24.5	71.4	75.6	109	0.767	1.0	0.0												
107	105	110	0.671	1.0	0.0	83.4	-22.8	74.9	78.4	107	0.699	1.0	0.0	85.3	-20.9	78.4	81.2	105	0.75	1.0	0.0	1.0	0.63	1.0	0.0	80.6	-25.3	69.7	74.2	110	0.75	1.0	0.0												
108	106	111	0.657	1.0	0.0	82.5	-23.7	73.2	77.0	108	0.685	1.0	0.0	84.3	-21.9	76.7	79.8	106	0.733	1.0	0.0	1.0	0.615	1.0	0.0	79.7	-26.2	68.4	73.3	111	0.733	1.0	0.0												
109	107	112	0.643	1.0	0.0	81.5	-24.5	71.4	75.6	109	0.671	1.0	0.0	83.4	-22.8	74.9	78.4	107	0.717	1.0	0.0	1.0	0.601	1.0	0.0	79.0	-27.1	67.4	72.6	112	0.717	1.0	0.0												
110	108	113	0.63	1.0	0.0	80.6	-25.3	69.7	74.2	110	0.657	1.0	0.0	82.5	-23.7	73.2	77.0	108	0.7	1.0	0.0	1.0	0.586	1.0	0.0	78.2	-28.0	66.3	72.0	113	0.7	1.0	0.0												
111	109	114	0.615	1.0	0.0	79.7	-26.2	68.4	73.3	111	0.643	1.0	0.0	81.5	-24.5	71.4	75.6	109	0.683	1.0	0.0	1.0	0.572	1.0	0.0	77.4	-28.9	65.2	71.4	114	0.683	1.0	0.0												
112	110	116	0.601	1.0	0.0	79.0	-27.1	67.4	72.6	112	0.63	1.0	0.0	80.6	-25.3	69.7	74.2	110	0.667	1.0	0.0	1.0	0.543	1.0	0.0	75.9	-30.6	63.0	70.1	116	0.667	1.0	0.0												
113	111	117	0.586	1.0	0.0	78.2	-28.0	66.3	72.0	113	0.615	1.0	0.0	79.7	-26.2	68.4	73.3	111	0.65	1.0	0.0	1.0	0.529	1.0	0.0	75.1	-31.4	61.9	69.5	117	0.65	1.0	0.0												
114	112	118	0.572	1.0	0.0	77.4	-28.9	65.2	71.4	114	0.601	1.0	0.0	79.0	-27.1	67.4	72.6	112	0.633	1.0	0.0	1.0	0.514	1.0	0.0	74.3	-32.2	60.8	68.9	118	0.633	1.0	0.0												
115	113	119	0.558	1.0	0.0	76.6	-29.8	64.1	70.8	115	0.586	1.0	0.0	78.2	-28.0	66.3	72.0	113	0.617	1.0	0.0	1.0	0.5	1.0	0.0	73.6	-33.0	59.7	68.2	119	0.617	1.0	0.0												
116	114	120	0.543	1.0	0.0	75.9	-30.6	63.0	70.1	116	0.572	1.0	0.0	77.4	-28.9	65.2	71.4	114	0.6	1.0	0.0	1.0	0.484	1.0	0.0	72.9	-33.8	58.8	67.9	120	0.6	1.0													

OE320-7N, Page of series 14/20, RX0, D50, XYZnw=1.8, 1.8, 1.4, 89.1, 92.8, 74.4, LAB*nw=14.4, 0.5, 1.4, 97.1, -0.6, 1.9, not adapted

Output: laser printer HRS16_96; separation cmyn6*, D65 and D50, page 14/20

TUB-test chart OE32; 48 and 360 step hue circles, Page 14/20
Data of laser printer HRS16_96, separation cmyn6*, D65 and D50

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

TUB registration: 20110301-OE32/OE32L0NA.TXT /PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

See original or copy: <http://web.me.com/klaus.richter/OE32/OE32L0NA.TXT> /PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 32.4, 95.2, 152.9, 225.9, 293.8, 352.6$; 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 dd361Mi	rgb^*_s ds361Mi	rgb^*_e de361Mi
122	120	127	0.452 1.0 0.0	71.6 -35.5 56.9 67.1	0.484 1.0 0.0	72.9 -33.8 58.8 67.9	120 0.5 1.0 0.0	0.373 1.0 0.0	68.5 -39.2 52.2 65.4	127 0.5 1.0 0.0			
123	121	128	0.436 1.0 0.0	71.0 -36.3 56.0 66.8	0.468 1.0 0.0	72.3 -34.7 57.9 67.5	121 0.483 1.0 0.0	0.362 1.0 0.0	68.0 -40.1 51.5 65.4	128 0.483 1.0 0.0			
124	122	130	0.42 1.0 0.0	70.4 -37.0 55.1 66.4	0.452 1.0 0.0	71.6 -35.5 56.9 67.1	122 0.467 1.0 0.0	0.338 1.0 0.0	67.0 -41.9 50.0 65.3	130 0.467 1.0 0.0			
125	123	131	0.405 1.0 0.0	69.7 -37.8 54.1 66.1	0.436 1.0 0.0	71.0 -36.3 56.0 66.8	123 0.45 1.0 0.0	0.327 1.0 0.0	66.5 -42.8 49.3 65.3	131 0.45 1.0 0.0			
126	124	132	0.389 1.0 0.0	69.1 -38.5 53.1 65.7	0.42 1.0 0.0	70.4 -37.0 55.1 66.4	124 0.433 1.0 0.0	0.315 1.0 0.0	66.0 -43.6 48.5 65.3	132 0.433 1.0 0.0			
127	125	133	0.373 1.0 0.0	68.5 -39.2 52.2 65.4	0.405 1.0 0.0	69.7 -37.8 54.1 66.1	125 0.417 1.0 0.0	0.303 1.0 0.0	65.5 -44.4 47.8 65.3	133 0.417 1.0 0.0			
128	126	134	0.362 1.0 0.0	68.0 -40.1 51.5 65.4	0.389 1.0 0.0	69.1 -38.5 53.1 65.7	126 0.4 1.0 0.0	0.292 1.0 0.0	65.0 -45.2 47.0 65.3	134 0.4 1.0 0.0			
129	127	135	0.35 1.0 0.0	67.5 -41.0 50.8 65.3	0.373 1.0 0.0	68.5 -39.2 52.2 65.4	127 0.383 1.0 0.0	0.28 1.0 0.0	64.5 -46.0 46.1 65.3	135 0.383 1.0 0.0			
130	128	137	0.338 1.0 0.0	67.0 -41.9 50.0 65.3	0.362 1.0 0.0	68.0 -40.1 51.5 65.4	128 0.367 1.0 0.0	0.257 1.0 0.0	63.5 -47.6 44.5 65.2	137 0.367 1.0 0.0			
131	129	138	0.327 1.0 0.0	66.5 -42.8 49.3 65.3	0.35 1.0 0.0	67.5 -41.0 50.8 65.3	129 0.35 1.0 0.0	0.244 1.0 0.0	63.0 -48.4 43.6 65.2	138 0.35 1.0 0.0			
132	130	139	0.315 1.0 0.0	66.0 -43.6 48.5 65.3	0.338 1.0 0.0	67.0 -41.9 50.0 65.3	130 0.333 1.0 0.0	0.23 1.0 0.0	62.6 -49.1 42.8 65.2	139 0.333 1.0 0.0			
133	131	140	0.303 1.0 0.0	65.5 -44.4 47.8 65.3	0.327 1.0 0.0	66.5 -42.8 49.3 65.3	131 0.317 1.0 0.0	0.215 1.0 0.0	62.1 -49.8 41.9 65.1	140 0.317 1.0 0.0			
134	132	141	0.292 1.0 0.0	65.0 -45.2 47.0 65.3	0.315 1.0 0.0	66.0 -43.6 48.5 65.3	132 0.3 1.0 0.0	0.201 1.0 0.0	61.7 -50.5 41.0 65.1	141 0.3 1.0 0.0			
135	133	142	0.28 1.0 0.0	64.5 -46.0 46.1 65.3	0.303 1.0 0.0	65.5 -44.4 47.8 65.3	133 0.283 1.0 0.0	0.187 1.0 0.0	61.3 -51.2 40.0 65.0	142 0.283 1.0 0.0			
136	134	144	0.268 1.0 0.0	64.0 -46.8 45.3 65.2	0.292 1.0 0.0	65.0 -45.2 47.0 65.3	134 0.267 1.0 0.0	0.158 1.0 0.0	60.4 -52.5 38.2 65.0	144 0.267 1.0 0.0			
137	135	145	0.257 1.0 0.0	63.5 -47.6 44.5 65.2	0.28 1.0 0.0	64.5 -46.0 46.1 65.3	135 0.25 1.0 0.0	0.144 1.0 0.0	59.9 -53.1 37.2 64.9	145 0.25 1.0 0.0			
138	136	146	0.244 1.0 0.0	63.0 -48.4 43.6 65.2	0.268 1.0 0.0	64.0 -46.8 45.3 65.2	136 0.233 1.0 0.0	0.129 1.0 0.0	59.5 -53.7 36.3 64.9	146 0.233 1.0 0.0			
139	137	147	0.23 1.0 0.0	62.6 -49.1 42.8 65.2	0.257 1.0 0.0	63.5 -47.6 44.5 65.2	137 0.217 1.0 0.0	0.112 1.0 0.0	59.0 -54.6 35.5 65.2	147 0.217 1.0 0.0			
140	138	148	0.215 1.0 0.0	62.1 -49.8 41.9 65.1	0.244 1.0 0.0	63.0 -48.4 43.6 65.2	138 0.2 1.0 0.0	0.093 1.0 0.0	58.5 -55.6 34.8 65.7	148 0.2 1.0 0.0			
141	139	149	0.201 1.0 0.0	61.7 -50.5 41.0 65.1	0.23 1.0 0.0	62.6 -49.1 42.8 65.2	139 0.183 1.0 0.0	0.074 1.0 0.0	58.0 -56.6 34.1 66.2	149 0.183 1.0 0.0			
142	140	151	0.187 1.0 0.0	61.3 -51.2 40.0 65.0	0.215 1.0 0.0	62.1 -49.8 41.9 65.1	140 0.167 1.0 0.0	0.036 1.0 0.0	56.9 -58.7 32.6 67.2	151 0.167 1.0 0.0			
143	141	152	0.172 1.0 0.0	60.8 -51.8 39.1 65.0	0.201 1.0 0.0	61.7 -50.5 41.0 65.1	141 0.15 1.0 0.0	0.017 1.0 0.0	56.4 -59.7 31.8 67.7	152 0.15 1.0 0.0			
144	142	153	0.158 1.0 0.0	60.4 -52.5 38.2 65.0	0.187 1.0 0.0	61.3 -51.2 40.0 65.0	142 0.133 1.0 0.0	0.0 1.0 0.002	55.9 -60.5 30.9 68.1	153 0.133 1.0 0.0			
145	143	154	0.144 1.0 0.0	59.9 -53.1 37.2 64.9	0.172 1.0 0.0	60.8 -51.8 39.1 65.0	143 0.117 1.0 0.0	0.0 1.0 0.019	55.8 -60.5 29.5 67.4	154 0.117 1.0 0.0			
146	144	155	0.129 1.0 0.0	59.5 -53.7 36.3 64.9	0.158 1.0 0.0	60.4 -52.5 38.2 65.0	144 0.1 1.0 0.0	0.0 1.0 0.036	55.8 -60.4 28.2 66.7	155 0.1 1.0 0.0			
147	145	156	0.112 1.0 0.0	59.0 -54.6 35.5 65.2	0.144 1.0 0.0	59.9 -53.1 37.2 64.9	145 0.083 1.0 0.0	0.0 1.0 0.053	55.7 -60.2 26.9 66.0	156 0.083 1.0 0.0			
148	146	158	0.093 1.0 0.0	58.5 -55.6 34.8 65.7	0.129 1.0 0.0	59.5 -53.7 36.3 64.9	146 0.067 1.0 0.0	0.0 1.0 0.087	55.6 -59.9 24.2 64.7	158 0.067 1.0 0.0			
149	147	159	0.074 1.0 0.0	58.0 -56.6 34.1 66.2	0.112 1.0 0.0	59.0 -54.6 35.5 65.2	147 0.05 1.0 0.0	0.0 1.0 0.104	55.5 -59.6 22.9 64.0	159 0.05 1.0 0.0			
150	148	160	0.055 1.0 0.0	57.4 -57.7 33.3 66.7	0.093 1.0 0.0	58.5 -55.6 34.8 65.7	148 0.033 1.0 0.0	0.0 1.0 0.121	55.4 -59.4 21.7 63.3	160 0.033 1.0 0.0			
151	149	161	0.036 1.0 0.0	56.9 -58.7 32.6 67.2	0.074 1.0 0.0	58.0 -56.6 34.1 66.2	149 0.017 1.0 0.0	0.0 1.0 0.136	55.4 -59.1 20.4 62.6	161 0.017 1.0 0.0			
152	150	162	0.017 1.0 0.0	56.4 -59.7 31.8 67.7	0.055 1.0 0.0	57.4 -57.7 33.3 66.7	150 0.0 1.0 0.0	0.0 1.0 0.15	55.4 -58.8 19.1 61.9	162 0.0 1.0 0.0			
153	151	163	0.0 1.0 0.002	55.9 -60.5 30.9 68.1	0.036 1.0 0.0	56.9 -58.7 32.6 67.2	151 0.0 1.0 0.017	0.0 1.0 0.164	55.5 -58.5 17.9 61.3	163 0.0 1.0 0.017			
154	152	164	0.0 1.0 0.019	55.8 -60.5 29.5 67.4	0.017 1.0 0.0	56.4 -59.7 31.8 67.7	152 0.0 1.0 0.033	0.0 1.0 0.178	55.5 -58.1 16.7 60.6	164 0.0 1.0 0.033			
155	153	165	0.0 1.0 0.036	55.8 -60.4 28.2 66.7	0.0 1.0 0.002	55.9 -60.5 30.9 68.1	153 0.0 1.0 0.05	0.0 1.0 0.191	55.5 -57.7 15.5 59.9	165 0.0 1.0 0.05			
156	154	166	0.0 1.0 0.053	55.7 -60.2 26.9 66.0	0.0 1.0 0.019	55.8 -60.5 29.5 67.4	154 0.0 1.0 0.067	0.0 1.0 0.205	55.5 -57.3 14.3 59.2	166 0.0 1.0 0.067			
157	155	167	0.0 1.0 0.07	55.6 -60.1 25.5 65.3	0.0 1.0 0.036	55.8 -60.4 28.2 66.7	155 0.0 1.0 0.083	0.0 1.0 0.219	55.6 -56.9 13.2 58.5	167 0.0 1.0 0.083			
158	156	168	0.0 1.0 0.087	55.6 -59.9 24.2 64.7	0.0 1.0 0.053	55.7 -60.2 26.9 66.0	156 0.0 1.0 0.1	0.0 1.0 0.233	55.6 -56.5 12.0 57.8	168 0.0 1.0 0.1			
159	157	169	0.0 1.0 0.104	55.5 -59.6 22.9 64.0	0.0 1.0 0.07	55.6 -60.1 25.5 65.3	157 0.0 1.0 0.117	0.0 1.0 0.247	55.6 -56.0 10.9 57.1	169 0.0 1.0 0.117			
160	158	170	0.0 1.0 0.121	55.4 -59.4 21.7 63.3	0.0 1.0 0.087	55.6 -59.9 24.2 64.7	158 0.0 1.0 0.133	0.0 1.0 0.261	55.6 -55.8 9.8 56.7	170 0.0 1.0 0.133			
161	159	170	0.0 1.0 0.136	55.4 -59.1 20.4 62.6	0.0 1.0 0.104	55.5 -59.6 22.9 64.0	159 0.0 1.0 0.15	0.0 1.0 0.261	55.6 -55.8 9.8 56.7	170 0.0 1.0 0.15			
162	160	171	0.0 1.0 0.15	55.4 -58.8 19.1 61.9	0.0 1.0 0.121	55.4 -59.4 21.7 63.3	160 0.0 1.0 0.167	0.0 1.0 0.275	55.7 -55.6 8.8 56.4	171 0.0 1.0 0.167			
163	161	172	0.0 1.0 0.164	55.5 -58.5 17.9 61.3	0.0 1.0 0.136	55.4 -59.1 20.4 62.6	161 0.0 1.0 0.183	0.0 1.0 0.289	55.7 -55.4 7.8 56.0	172 0.0 1.0 0.183			
164	162	173	0.0 1.0 0.178	55.5 -58.1 16.7 60.6	0.0 1.0 0.15	55.4 -58.8 19.1 61.9	162 0.0 1.0 0.2	0.0 1.0 0.303	55.7 -55.2 6.8 55.7	173 0.0 1.0 0.2			
165	163	174	0.0 1.0 0.191	55.5 -57.7 15.5 59.9	0.0 1.0 0.164	55.5 -58.5 17.9 61.3	163 0.0 1.0 0.217	0.0 1.0 0.316	55.7 -54.9 5.8 55.3	174 0.0 1.0 0.217			
166	164	175	0.0 1.0 0.205	55.5 -57.3 14.3 59.2	0.0 1.0 0.178	55.5 -58.1 16.7 60.6	164 0.0 1.0 0.233	0.0 1.0 0.33	55.8 -54.7 4.8 55.0	175 0.0 1.0 0.233			
167	165	176	0.0 1.0 0.219	55.6 -56.9 13.2 58.5	0.0 1.0 0.191	55.5 -57.7 15.5 59.9	165 0.0 1.0 0.25	0.0 1.0 0.344	55.8 -54.4 3.8 54.6	176 0.0 1.0 0.25			

TUB registration: 20110301-OE32/OE32L0NA.TXT /PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

See original or copy: <http://web.me.com/klaus.richter/OE32/OE32L0NA.TXT> /PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 32.4, 95.2, 152.9, 225.9, 293.8, 352.6$; 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^*_d ds361Mi			LAB^*_d ds361Mix (x=LabCh)			rgb^*_d s50M			rgb^*_d de361Mi			LAB^*_d de361Mix (x=LabCh)			rgb^*_d e50M			rgb^*_d dd361Mi			rgb^*_d ds361Mi					
167	165	176	0.0	1.0	0.219	55.6	-56.9	13.2	58.5	167	0.0	1.0	0.191	55.5	-57.7	15.5	59.9	165	0.0	1.0	0.25	0.0	1.0	0.344	55.8	-54.4	3.8	54.6	176	0.0	1.0	0.25			
168	166	177	0.0	1.0	0.233	55.6	-56.5	12.0	57.8	168	0.0	1.0	0.205	55.5	-57.3	14.3	59.2	166	0.0	1.0	0.267	0.0	1.0	0.358	55.8	-54.1	2.8	54.3	177	0.0	1.0	0.267			
169	167	178	0.0	1.0	0.247	55.6	-56.0	10.9	57.1	169	0.0	1.0	0.219	55.6	-56.9	13.2	58.5	167	0.0	1.0	0.283	0.0	1.0	0.372	55.9	-53.8	1.9	53.9	178	0.0	1.0	0.283			
170	168	179	0.0	1.0	0.261	55.6	-55.8	9.8	56.7	170	0.0	1.0	0.233	55.6	-56.5	12.0	57.8	168	0.0	1.0	0.3	0.0	1.0	0.385	55.9	-53.5	0.9	53.6	179	0.0	1.0	0.3			
171	169	180	0.0	1.0	0.275	55.7	-55.6	8.8	56.4	171	0.0	1.0	0.247	55.6	-56.0	10.9	57.1	169	0.0	1.0	0.317	0.0	1.0	0.399	55.9	-53.3	0.0	53.4	180	0.0	1.0	0.317			
172	170	180	0.0	1.0	0.289	55.7	-55.4	7.8	56.0	172	0.0	1.0	0.261	55.6	-55.8	9.8	56.7	170	0.0	1.0	0.333	0.0	1.0	0.399	55.9	-53.3	0.0	53.4	180	0.0	1.0	0.333			
173	171	181	0.0	1.0	0.303	55.7	-55.2	6.8	55.7	173	0.0	1.0	0.275	55.7	-55.6	8.8	56.4	171	0.0	1.0	0.35	0.0	1.0	0.412	55.9	-53.0	-0.8	53.1	181	0.0	1.0	0.35			
174	172	182	0.0	1.0	0.316	55.7	-54.9	5.8	55.3	174	0.0	1.0	0.289	55.7	-55.4	7.8	56.0	172	0.0	1.0	0.367	0.0	1.0	0.425	56.0	-52.6	-1.7	52.8	182	0.0	1.0	0.367			
175	173	183	0.0	1.0	0.33	55.8	-54.7	4.8	55.0	175	0.0	1.0	0.303	55.7	-55.2	6.8	55.7	173	0.0	1.0	0.383	0.0	1.0	0.439	56.0	-52.3	-2.6	52.5	183	0.0	1.0	0.383			
176	174	184	0.0	1.0	0.344	55.8	-54.4	3.8	54.6	176	0.0	1.0	0.316	55.7	-54.9	5.8	55.3	174	0.0	1.0	0.4	0.0	1.0	0.452	56.0	-52.0	-3.5	52.2	184	0.0	1.0	0.4			
177	175	185	0.0	1.0	0.358	55.8	-54.1	2.8	54.3	177	0.0	1.0	0.33	55.8	-54.7	4.8	55.0	175	0.0	1.0	0.417	0.0	1.0	0.466	56.0	-51.6	-4.4	51.9	185	0.0	1.0	0.417			
178	176	186	0.0	1.0	0.372	55.9	-53.8	1.9	53.9	178	0.0	1.0	0.344	55.8	-54.4	3.8	54.6	176	0.0	1.0	0.433	0.0	1.0	0.479	56.1	-51.2	-5.3	51.6	186	0.0	1.0	0.433			
179	177	187	0.0	1.0	0.385	55.9	-53.5	0.9	53.6	179	0.0	1.0	0.358	55.8	-54.1	2.8	54.3	177	0.0	1.0	0.45	0.0	1.0	0.493	56.1	-50.9	-6.2	51.3	187	0.0	1.0	0.45			
180	178	188	0.0	1.0	0.399	55.9	-53.3	0.0	53.4	180	0.0	1.0	0.372	55.9	-53.8	1.9	53.9	178	0.0	1.0	0.467	0.0	1.0	0.506	56.1	-50.5	-7.0	51.1	188	0.0	1.0	0.467			
181	179	189	0.0	1.0	0.412	55.9	-53.0	-0.8	53.1	181	0.0	1.0	0.385	55.9	-53.5	0.9	53.6	179	0.0	1.0	0.483	0.0	1.0	0.519	56.1	-50.2	-7.9	51.0	189	0.0	1.0	0.483			
182	180	190	0.0	1.0	0.425	56.0	-52.6	-1.7	52.8	182	0.0	1.0	0.399	55.9	-53.3	0.0	53.4	180	0.0	1.0	0.5	0.0	1.0	0.532	56.1	-50.0	-8.7	50.8	190	0.0	1.0	0.5			
183	181	191	0.0	1.0	0.439	56.0	-52.3	-2.6	52.5	183	0.0	1.0	0.412	55.9	-53.0	-0.8	53.1	181	0.0	1.0	0.517	0.0	1.0	0.544	56.2	-49.7	-9.6	50.7	191	0.0	1.0	0.517			
184	182	191	0.0	1.0	0.452	56.0	-52.0	-3.5	52.2	184	0.0	1.0	0.425	56.0	-52.6	-1.7	52.8	182	0.0	1.0	0.533	0.0	1.0	0.544	56.2	-49.7	-9.6	50.7	191	0.0	1.0	0.533			
185	183	192	0.0	1.0	0.466	56.0	-51.6	-4.4	51.9	185	0.0	1.0	0.439	56.0	-52.3	-2.6	52.5	183	0.0	1.0	0.55	0.0	1.0	0.557	56.2	-49.3	-10.4	50.5	192	0.0	1.0	0.55			
186	184	193	0.0	1.0	0.479	56.1	-51.2	-5.3	51.6	186	0.0	1.0	0.452	56.0	-52.0	-3.5	52.2	184	0.0	1.0	0.567	0.0	1.0	0.57	56.2	-49.0	-11.2	50.4	193	0.0	1.0	0.567			
187	185	194	0.0	1.0	0.493	56.1	-50.9	-6.2	51.3	187	0.0	1.0	0.466	56.0	-51.6	-4.4	51.9	185	0.0	1.0	0.583	0.0	1.0	0.583	56.2	-48.7	-12.1	50.3	194	0.0	1.0	0.583			
188	186	195	0.0	1.0	0.506	56.1	-50.5	-7.0	51.1	188	0.0	1.0	0.479	56.1	-51.2	-5.3	51.6	186	0.0	1.0	0.6	0.0	1.0	0.596	56.2	-48.3	-12.9	50.1	195	0.0	1.0	0.6			
189	187	196	0.0	1.0	0.519	56.1	-50.2	-7.9	51.0	189	0.0	1.0	0.493	56.1	-50.9	-6.2	51.3	187	0.0	1.0	0.617	0.0	1.0	0.609	56.2	-47.9	-13.7	50.0	196	0.0	1.0	0.617			
190	188	197	0.0	1.0	0.532	56.1	-50.0	-8.7	50.8	190	0.0	1.0	0.506	56.1	-50.5	-7.0	51.1	188	0.0	1.0	0.633	0.0	1.0	0.622	56.2	-47.6	-14.5	49.8	197	0.0	1.0	0.633			
191	189	198	0.0	1.0	0.544	56.2	-49.7	-9.6	50.7	191	0.0	1.0	0.519	56.1	-50.2	-7.9	51.0	189	0.0	1.0	0.65	0.0	1.0	0.637	56.2	-47.3	-15.3	49.8	198	0.0	1.0	0.65			
192	190	199	0.0	1.0	0.557	56.2	-49.3	-10.4	50.5	192	0.0	1.0	0.532	56.1	-50.0	-8.7	50.8	190	0.0	1.0	0.667	0.0	1.0	0.652	56.1	-47.1	-16.1	49.9	199	0.0	1.0	0.667			
193	191	200	0.0	1.0	0.57	56.2	-49.0	-11.2	50.4	193	0.0	1.0	0.544	56.2	-49.7	-9.6	50.7	191	0.0	1.0	0.683	0.0	1.0	0.667	56.0	-46.8	-17.0	49.9	200	0.0	1.0	0.683			
194	192	201	0.0	1.0	0.583	56.2	-48.7	-12.1	50.3	194	0.0	1.0	0.557	56.2	-49.3	-10.4	50.5	192	0.0	1.0	0.7	0.0	1.0	0.683	56.0	-46.6	-17.8	50.0	201	0.0	1.0	0.7			
195	193	201	0.0	1.0	0.596	56.2	-48.3	-12.9	50.1	195	0.0	1.0	0.57	56.2	-49.0	-11.2	50.4	193	0.0	1.0	0.717	0.0	1.0	0.683	56.0	-46.6	-17.8	50.0	201	0.0	1.0	0.717			
196	194	202	0.0	1.0	0.609	56.2	-47.9	-13.7	50.0	196	0.0	1.0	0.583	56.2	-48.7	-12.1	50.3	194	0.0	1.0	0.733	0.0	1.0	0.698	55.9	-46.3	-18.6	50.0	202	0.0	1.0	0.733			
197	195	203	0.0	1.0	0.622	56.2	-47.6	-14.5	49.8	197	0.0	1.0	0.596	56.2	-48.3	-12.9	50.1	195	0.0	1.0	0.75	0.0	1.0	0.714	55.8	-46.0	-19.5	50.1	203	0.0	1.0	0.75			
198	196	204	0.0	1.0	0.637	56.2	-47.3	-15.3	49.8	198	0.0	1.0	0.609	56.2	-47.9	-13.7	50.0	196	0.0	1.0	0.767	0.0	1.0	0.729	55.8	-45.7	-20.3	50.1	204	0.0	1.0	0.767			
199	197	205	0.0	1.0	0.652	56.1	-47.1	-16.1	49.9	199	0.0	1.0	0.622	56.2	-47.6	-14.5	49.8	197	0.0	1.0	0.783	0.0	1.0	0.745	55.7	-45.3	-21.1	50.1	205	0.0	1.0	0.783			
200	198	206	0.0	1.0	0.667	56.0	-46.8	-17.0	49.9	2																									

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

TUB registration: 20110301-OE32/OE32L0NA.TXT/.PS
application for measurement of printer or monitor systems

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system laser printer HRS16_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 : $h_{ab,d} = 32.4, 95.2, 152.9, 225.9, 293.8, 352.6$; Six hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 32.4, 95.2, 152.9, 225.9, 293.8, 352.6$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Angles of the source colours in h_{ab} , s_{ab} , z_{ab} and h_{ab} , s_{ab}									
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See original or copy: <http://web.me.com/klaus.richter/OE32/OE32L0NA.TXT> /PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 32.4, 95.2, 152.9, 225.9, 293.8, 352.6$; Six hue angles of the elementary colours e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Lab, d, s, e, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347				Lab, s, e, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347				Lab, s, e, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347				Lab, s, e, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347				Lab, s, e, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347				Lab, s, e, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347				Lab, s, e, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347			
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_d dd361Mi	LAB^*_d de361Mix (x=LabCh)	rgb^*_s ds361Mi	LAB^*_s ds361Mix (x=LabCh)	rgb^*_e s50M	rgb^*_d de361Mi	LAB^*_d de361Mix (x=LabCh)	rgb^*_e e50M	rgb^*_d de361Mi	LAB^*_d de361Mix (x=LabCh)	rgb^*_e e50M	rgb^*_d dd361Mi	rgb^*_s ds361Mi	rgb^*_e s50M	rgb^*_d de361Mi	rgb^*_s ds361Mi	rgb^*_e s50M								
302	300	300	0.096 0.0 1.0	30.8 25.6 -40.9 48.4	0.073 0.0 1.0	30.8 24.1 -41.6 48.2	300 0.5 0.0 1.0	0.073 0.0 1.0	30.8 24.1 -41.6 48.2	300 0.5 0.0 1.0	0.073 0.0 1.0	30.8 24.1 -41.6 48.2	300 0.5 0.0 1.0														
303	301	301	0.108 0.0 1.0	30.8 26.4 -40.6 48.5	0.085 0.0 1.0	30.8 24.9 -41.3 48.3	301 0.517 0.0 1.0	0.085 0.0 1.0	30.8 24.9 -41.3 48.3	301 0.517 0.0 1.0	0.085 0.0 1.0	30.8 24.9 -41.3 48.3	301 0.517 0.0 1.0														
304	302	302	0.12 0.0 1.0	30.8 27.2 -40.2 48.6	0.096 0.0 1.0	30.8 25.6 -40.9 48.4	302 0.533 0.0 1.0	0.096 0.0 1.0	30.8 25.6 -40.9 48.4	302 0.533 0.0 1.0	0.096 0.0 1.0	30.8 25.6 -40.9 48.4	302 0.533 0.0 1.0														
305	303	303	0.131 0.0 1.0	30.8 28.0 -39.8 48.7	0.108 0.0 1.0	30.8 26.4 -40.6 48.5	303 0.55 0.0 1.0	0.108 0.0 1.0	30.8 26.4 -40.6 48.5	303 0.55 0.0 1.0	0.108 0.0 1.0	30.8 26.4 -40.6 48.5	303 0.55 0.0 1.0														
306	304	304	0.143 0.0 1.0	30.8 28.8 -39.5 48.9	0.12 0.0 1.0	30.8 27.2 -40.2 48.6	304 0.567 0.0 1.0	0.12 0.0 1.0	30.8 27.2 -40.2 48.6	304 0.567 0.0 1.0	0.12 0.0 1.0	30.8 27.2 -40.2 48.6	304 0.567 0.0 1.0														
307	305	305	0.154 0.0 1.0	30.8 29.6 -39.1 49.1	0.131 0.0 1.0	30.8 28.0 -39.8 48.7	305 0.583 0.0 1.0	0.131 0.0 1.0	30.8 28.0 -39.8 48.7	305 0.583 0.0 1.0	0.131 0.0 1.0	30.8 28.0 -39.8 48.7	305 0.583 0.0 1.0														
308	306	306	0.165 0.0 1.0	30.8 30.4 -38.8 49.3	0.143 0.0 1.0	30.8 28.8 -39.5 48.9	306 0.6 0.0 1.0	0.143 0.0 1.0	30.8 28.8 -39.5 48.9	306 0.6 0.0 1.0	0.143 0.0 1.0	30.8 28.8 -39.5 48.9	306 0.6 0.0 1.0														
309	307	307	0.176 0.0 1.0	30.8 31.2 -38.4 49.5	0.154 0.0 1.0	30.8 29.6 -39.1 49.1	307 0.617 0.0 1.0	0.154 0.0 1.0	30.8 29.6 -39.1 49.1	307 0.617 0.0 1.0	0.154 0.0 1.0	30.8 29.6 -39.1 49.1	307 0.617 0.0 1.0														
310	308	308	0.188 0.0 1.0	30.8 31.9 -38.0 49.7	0.165 0.0 1.0	30.8 30.4 -38.8 49.3	308 0.633 0.0 1.0	0.165 0.0 1.0	30.8 30.4 -38.8 49.3	308 0.633 0.0 1.0	0.165 0.0 1.0	30.8 30.4 -38.8 49.3	308 0.633 0.0 1.0														
311	309	309	0.199 0.0 1.0	30.8 32.7 -37.6 49.9	0.176 0.0 1.0	30.8 31.2 -38.4 49.5	309 0.65 0.0 1.0	0.176 0.0 1.0	30.8 31.2 -38.4 49.5	309 0.65 0.0 1.0	0.176 0.0 1.0	30.8 31.2 -38.4 49.5	309 0.65 0.0 1.0														
312	310	310	0.21 0.0 1.0	30.9 33.5 -37.1 50.1	0.188 0.0 1.0	30.8 31.9 -38.0 49.7	310 0.667 0.0 1.0	0.188 0.0 1.0	30.8 31.9 -38.0 49.7	310 0.667 0.0 1.0	0.188 0.0 1.0	30.8 31.9 -38.0 49.7	310 0.667 0.0 1.0														
313	311	311	0.221 0.0 1.0	30.9 34.3 -36.7 50.3	0.199 0.0 1.0	30.8 32.7 -37.6 49.9	311 0.683 0.0 1.0	0.199 0.0 1.0	30.8 32.7 -37.6 49.9	311 0.683 0.0 1.0	0.199 0.0 1.0	30.8 32.7 -37.6 49.9	311 0.683 0.0 1.0														
314	312	312	0.232 0.0 1.0	30.9 35.1 -36.2 50.5	0.21 0.0 1.0	30.9 33.5 -37.1 50.1	312 0.7 0.0 1.0	0.21 0.0 1.0	30.9 33.5 -37.1 50.1	312 0.7 0.0 1.0	0.21 0.0 1.0	30.9 33.5 -37.1 50.1	312 0.7 0.0 1.0														
315	313	313	0.244 0.0 1.0	30.9 35.8 -35.7 50.7	0.221 0.0 1.0	30.9 34.3 -36.7 50.3	313 0.717 0.0 1.0	0.221 0.0 1.0	30.9 34.3 -36.7 50.3	313 0.717 0.0 1.0	0.221 0.0 1.0	30.9 34.3 -36.7 50.3	313 0.717 0.0 1.0														
316	314	314	0.256 0.0 1.0	31.0 36.6 -35.2 50.9	0.232 0.0 1.0	30.9 35.1 -36.2 50.5	314 0.733 0.0 1.0	0.232 0.0 1.0	30.9 35.1 -36.2 50.5	314 0.733 0.0 1.0	0.232 0.0 1.0	30.9 35.1 -36.2 50.5	314 0.733 0.0 1.0														
317	315	314	0.27 0.0 1.0	31.2 37.4 -34.8 51.1	0.244 0.0 1.0	30.9 35.8 -35.7 50.7	315 0.75 0.0 1.0	0.232 0.0 1.0	30.9 35.1 -36.2 50.5	314 0.75 0.0 1.0	0.232 0.0 1.0	30.9 35.1 -36.2 50.5	314 0.75 0.0 1.0														
318	316	315	0.283 0.0 1.0	31.4 38.2 -34.3 51.4	0.256 0.0 1.0	31.0 36.6 -35.2 50.9	316 0.767 0.0 1.0	0.244 0.0 1.0	30.9 35.8 -35.7 50.7	315 0.767 0.0 1.0	0.244 0.0 1.0	30.9 35.8 -35.7 50.7	315 0.767 0.0 1.0														
319	317	316	0.297 0.0 1.0	31.6 39.0 -33.8 51.6	0.27 0.0 1.0	31.2 37.4 -34.8 51.1	317 0.783 0.0 1.0	0.256 0.0 1.0	31.0 36.6 -35.2 50.9	316 0.783 0.0 1.0	0.256 0.0 1.0	31.0 36.6 -35.2 50.9	316 0.783 0.0 1.0														
320	318	317	0.311 0.0 1.0	31.8 39.7 -33.3 51.9	0.283 0.0 1.0	31.4 38.2 -34.3 51.4	318 0.8 0.0 1.0	0.27 0.0 1.0	31.2 37.4 -34.8 51.1	317 0.8 0.0 1.0	0.27 0.0 1.0	31.2 37.4 -34.8 51.1	317 0.8 0.0 1.0														
321	319	318	0.324 0.0 1.0	32.0 40.5 -32.7 52.1	0.297 0.0 1.0	31.6 39.0 -33.8 51.6	319 0.817 0.0 1.0	0.283 0.0 1.0	31.4 38.2 -34.3 51.4	318 0.817 0.0 1.0	0.283 0.0 1.0	31.4 38.2 -34.3 51.4	318 0.817 0.0 1.0														
322	320	319	0.338 0.0 1.0	32.2 41.3 -32.2 52.4	0.311 0.0 1.0	31.8 39.7 -33.3 51.9	320 0.833 0.0 1.0	0.297 0.0 1.0	31.6 39.0 -33.8 51.6	319 0.833 0.0 1.0	0.297 0.0 1.0	31.6 39.0 -33.8 51.6	319 0.833 0.0 1.0														
323	321	320	0.351 0.0 1.0	32.4 42.0 -31.6 52.6	0.324 0.0 1.0	32.0 40.5 -32.7 52.1	321 0.85 0.0 1.0	0.311 0.0 1.0	31.8 39.7 -33.3 51.9	320 0.85 0.0 1.0	0.311 0.0 1.0	31.8 39.7 -33.3 51.9	320 0.85 0.0 1.0														
324	322	321	0.365 0.0 1.0	32.6 42.8 -31.0 52.9	0.338 0.0 1.0	32.2 41.3 -32.2 52.4	322 0.867 0.0 1.0	0.324 0.0 1.0	32.0 40.5 -32.7 52.1	321 0.867 0.0 1.0	0.324 0.0 1.0	32.0 40.5 -32.7 52.1	321 0.867 0.0 1.0														
325	323	322	0.381 0.0 1.0	32.9 43.6 -30.4 53.2	0.351 0.0 1.0	32.4 42.0 -31.6 52.6	323 0.883 0.0 1.0	0.338 0.0 1.0	32.2 41.3 -32.2 52.4	322 0.883 0.0 1.0	0.338 0.0 1.0	32.2 41.3 -32.2 52.4	322 0.883 0.0 1.0														
326	324	323	0.402 0.0 1.0	33.3 44.4 -29.9 53.6	0.365 0.0 1.0	32.6 42.8 -31.0 52.9	324 0.9 0.0 1.0	0.351 0.0 1.0	32.4 42.0 -31.6 52.6	323 0.9 0.0 1.0	0.351 0.0 1.0	32.4 42.0 -31.6 52.6	323 0.9 0.0 1.0														
327	325	324	0.423 0.0 1.0	33.7 45.3 -29.3 54.0	0.381 0.0 1.0	32.9 43.6 -30.4 53.2	325 0.917 0.0 1.0	0.365 0.0 1.0	32.6 42.8 -31.0 52.9	324 0.917 0.0 1.0	0.365 0.0 1.0	32.6 42.8 -31.0 52.9	324 0.917 0.0 1.0														
328	326	325	0.445 0.0 1.0	34.2 46.1 -28.7 54.3	0.402 0.0 1.0	33.3 44.4 -29.9 53.6	326 0.933 0.0 1.0	0.381 0.0 1.0	32.9 43.6 -30.4 53.2	325 0.933 0.0 1.0	0.381 0.0 1.0	32.9 43.6 -30.4 53.2	325 0.933 0.0 1.0														
329	327	326	0.466 0.0 1.0	34.6 46.9 -28.1 54.7	0.423 0.0 1.0	33.7 45.3 -29.3 54.0	327 0.95 0.0 1.0	0.402 0.0 1.0	33.3 44.4 -29.9 53.6	326 0.95 0.0 1.0	0.402 0.0 1.0	33.3 44.4 -29.9 53.6	326 0.95 0.0 1.0														
330	328	327	0.487 0.0 1.0	35.0 47.7 -27.5 55.1	0.445 0.0 1.0	34.2 46.1 -28.7 54.3	328 0.967 0.0 1.0	0.423 0.0 1.0	33.7 45.3 -29.3 54.0	327 0.967 0.0 1.0	0.423 0.0 1.0	33.7 45.3 -29.3 54.0	327 0.967 0.0 1.0														
331	329	328																									

See original or copy: <http://web.me.com/klaus.richter/OE32/OE32L0NA.TXT> /PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system laser printer HRS16_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: $h_{ab,d} = 32.4, 95.2, 152.9, 225.9, 293.8, 352.6$; 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	0.876	0.0	1.0	43.2	64.5	-14.8	66.1	347	0.825	0.0	1.0	42.0	62.2	-16.6	64.4	345	1.0	0.0	0.75	0.775	0.0	1.0	40.8	59.9	-18.2	62.7	343	1.0	0.0	0.75																																					
348	346	344	0.898	0.0	1.0	43.9	65.6	-13.9	67.1	348	0.851	0.0	1.0	42.6	63.3	-15.7	65.3	346	1.0	0.0	0.733	0.8	0.0	1.0	41.4	61.1	-17.4	63.6	344	1.0	0.0	0.733																																					
349	347	345	0.92	0.0	1.0	44.6	66.8	-12.9	68.1	349	0.876	0.0	1.0	43.2	64.5	-14.8	66.1	347	1.0	0.0	0.717	0.825	0.0	1.0	42.0	62.2	-16.6	64.4	345	1.0	0.0	0.717																																					
350	348	346	0.942	0.0	1.0	45.2	68.0	-11.9	69.0	350	0.898	0.0	1.0	43.9	65.6	-13.9	67.1	348	1.0	0.0	0.7	0.851	0.0	1.0	42.6	63.3	-15.7	65.3	346	1.0	0.0	0.7																																					
351	349	347	0.965	0.0	1.0	45.9	69.1	-10.8	70.0	351	0.92	0.0	1.0	44.6	66.8	-12.9	68.1	349	1.0	0.0	0.683	0.876	0.0	1.0	43.2	64.5	-14.8	66.1	347	1.0	0.0	0.683																																					
352	350	348	0.987	0.0	1.0	46.6	70.2	-9.8	70.9	352	0.942	0.0	1.0	45.2	68.0	-11.9	69.0	350	1.0	0.0	0.667	0.898	0.0	1.0	43.9	65.6	-13.9	67.1	348	1.0	0.0	0.667																																					
353	351	349	1.0	0.0	0.983	46.9	71.0	-8.6	71.5	353	0.965	0.0	1.0	45.9	69.1	-10.8	70.0	351	1.0	0.0	0.65	0.92	0.0	1.0	44.6	66.8	-12.9	68.1	349	1.0	0.0	0.65																																					
354	352	349	1.0	0.0	0.94	46.8	71.2	-7.4	71.6	354	0.987	0.0	1.0	46.6	70.2	-9.8	70.9	352	1.0	0.0	0.633	0.92	0.0	1.0	44.6	66.8	-12.9	68.1	349	1.0	0.0	0.633																																					
355	353	350	1.0	0.0	0.897	46.6	71.4	-6.1	71.6	355	1.0	0.0	0.983	46.9	71.0	-8.6	71.5	353	1.0	0.0	0.617	0.942	0.0	1.0	45.2	68.0	-11.9	69.0	350	1.0	0.0	0.617																																					
356	354	351	1.0	0.0	0.865	46.5	71.4	-4.9	71.6	356	1.0	0.0	0.94	46.8	71.2	-7.4	71.6	354	1.0	0.0	0.6	0.965	0.0	1.0	45.9	69.1	-10.8	70.0	351	1.0	0.0	0.6																																					
357	355	352	1.0	0.0	0.845	46.5	71.3	-3.6	71.4	357	1.0	0.0	0.897	46.6	71.4	-6.1	71.6	355	1.0	0.0	0.583	0.987	0.0	1.0	46.6	70.2	-9.8	70.9	352	1.0	0.0	0.583																																					
358	356	353	1.0	0.0	0.825	46.5	71.1	-2.4	71.1	358	1.0	0.0	0.865	46.5	71.4	-4.9	71.6	356	1.0	0.0	0.567	1.0	0.0	0.983	46.9	71.0	-8.6	71.5	353	1.0	0.0	0.567																																					
359	357	354	1.0	0.0	0.804	46.6	70.9	-1.1	70.9	359	1.0	0.0	0.845	46.5	71.3	-3.6	71.4	357	1.0	0.0	0.55	1.0	0.0	0.94	46.8	71.2	-7.4	71.6	354	1.0	0.0	0.55																																					
0	358	355	1.0	0.0	0.784	46.6	70.7	0.0	70.7	0	1.0	0.0	0.825	46.5	71.1	-2.4	71.1	358	1.0	0.0	0.533	1.0	0.0	0.897	46.6	71.4	-6.1	71.6	355	1.0	0.0	0.533																																					
1	359	356	1.0	0.0	0.764	46.6	70.5	1.2	70.5	1	1.0	0.0	0.804	46.6	70.9	-1.1	70.9	359	1.0	0.0	0.517	1.0	0.0	0.865	46.5	71.4	-4.9	71.6	356	1.0	0.0	0.517																																					
2	360	357	1.0	0.0	0.744	46.6	70.2	2.5	70.3	2	1.0	0.0	0.784	46.6	70.7	0.0	70.7	0	1.0	0.0	0.5	1.0	0.0	0.845	46.5	71.3	-3.6	71.4	357	1.0	0.0	0.5																																					
3	361	358	1.0	0.0	0.725	46.6	70.0	3.7	70.1	3	1.0	0.0	0.764	46.6	70.5	1.2	70.5	1	1.0	0.0	0.483	1.0	0.0	0.825	46.5	71.1	-2.4	71.1	358	1.0	0.0	0.483																																					
4	362	359	1.0	0.0	0.707	46.6	69.7	4.9	69.9	4	1.0	0.0	0.744	46.6	70.2	2.5	70.3	2	1.0	0.0	0.467	1.0	0.0	0.804	46.6	70.9	-1.1	70.9	359	1.0	0.0	0.467																																					
5	363	360	1.0	0.0	0.688	46.6	69.4	6.1	69.7	5	1.0	0.0	0.725	46.6	70.0	3.7	70.1	3	1.0	0.0	0.45	1.0	0.0	0.784	46.6	70.7	0.0	70.7	0	1.0	0.0	0.45																																					
6	364	361	1.0	0.0	0.67	46.6	69.1	7.3	69.4	6	1.0	0.0	0.707	46.6	69.7	4.9	69.9	4	1.0	0.0	0.433	1.0	0.0	0.764	46.6	70.5	1.2	70.5	1	1.0	0.0	0.433																																					
7	365	362	1.0	0.0	0.652	46.6	68.7	8.4	69.2	7	1.0	0.0	0.688	46.6	69.4	6.1	69.7	5	1.0	0.0	0.417	1.0	0.0	0.744	46.6	70.2	2.5	70.3	2	1.0	0.0	0.417																																					
8	366	363	1.0	0.0	0.633	46.6	68.4	9.6	69.0	8	1.0	0.0	0.67	46.6	69.1	7.3	69.4	6	1.0	0.0	0.4	1.0	0.0	0.725	46.6	70.0	3.7	70.1	3	1.0	0.0	0.4																																					
9	367	364	1.0	0.0	0.612	46.6	68.0	10.8	68.9	9	1.0	0.0	0.652	46.6	68.7	8.4	69.2	7	1.0	0.0	0.383	1.0	0.0	0.707	46.6	69.7	4.9	69.9	4	1.0	0.0	0.383																																					
10	368	365	1.0	0.0	0.588	46.6	67.7	11.9	68.8	10	1.0	0.0	0.633	46.6	68.4	9.6	69.0	8	1.0	0.0	0.367	1.0	0.0	0.688	46.6	69.4	6.1	69.7	5	1.0	0.0	0.367																																					
11	369	366	1.0	0.0	0.564	46.5	67.4	13.1	68.6	11	1.0	0.0	0.612	46.6	68.0	10.8	68.9	9	1.0	0.0	0.35	1.0	0.0	0.67	46.6	69.1	7.3	69.4	6	1.0	0.0	0.35																																					
12	370	367	1.0	0.0	0.541	46.5	67.0	14.2	68.5	12	1.0	0.0	0.588	46.6	67.7	11.9	68.8	10	1.0	0.0	0.333	1.0	0.0	0.652	46.6	68.7	8.4	69.2	7	1.0	0.0	0.333																																					
13	371	367	1.0	0.0	0.517	46.5	66.7	15.4	68.4	13	1.0	0.0	0.564	46.5	67.4	13.1	68.6	11	1.0	0.0	0.317	1.0	0.0	0.652	46.6	68.7	8.4	69.2	7	1.0	0.0	0.317																																					
14	372	368	1.0	0.0	0.493	46.5	66.4	16.5	68.4	14	1.0	0.0	0.541	46.5	67.0	14.2	68.5	12	1.0	0.0	0.3	1.0	0.0	0.633	46.6	68.4	9.6	69.0	8	1.0	0.0	0.3																																					
15	373	369	1.0	0.0	0.47	46.5	66.2	17.8	68.6	15	1.0	0.0	0.517	46.5	66.7	15.4	68.4	13	1.0	0.0	0.283	1.0	0.0	0.612	46.6	68.0	10.8	68.9	9	1.0	0.0	0.283																																					
16	374	370	1.0	0.0	0.447	46.5	66.1	19.0	68.8	16	1.0	0.0	0.493	46.5	66.4	16.5	68.4	14	1.0																																																		