

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 353/360 = 0.98$

$H^*_ = B50R_$

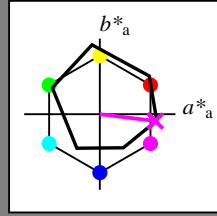
Data for any device (d) or elementary (e) colour:

$HIC^*_$

hue text for the colours of this page:

$H^*_ = B50R_$

triangle lightness T^*



ORS18a; adapted (a) CIELAB data

name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_.,Ma	47.9	65.3	50.5	82.6
Y_.,Ma	90.3	-10.2	91.7	92.3
G_.,Ma	50.9	-62.8	34.9	71.9
C_.,Ma	58.6	-30.3	-45.0	54.2
B_.,Ma	25.7	31.0	-44.4	54.2
M_.,Ma	48.1	75.2	-8.3	75.7
N_.,Ma	18.0	0.0	0.0	0.0
W_.,Ma	95.4	0.0	0.0	0.0
R_.,CIE	39.9	58.7	27.9	65.0
Y_.,CIE	81.2	-2.8	71.5	71.6
G_.,CIE	52.2	-42.4	13.6	44.5
B_.,CIE	30.5	1.4	-46.4	46.4

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}$: 49 73 -9 74 353

$HIC^*_{-,Ma}$: B50R_100_100_

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

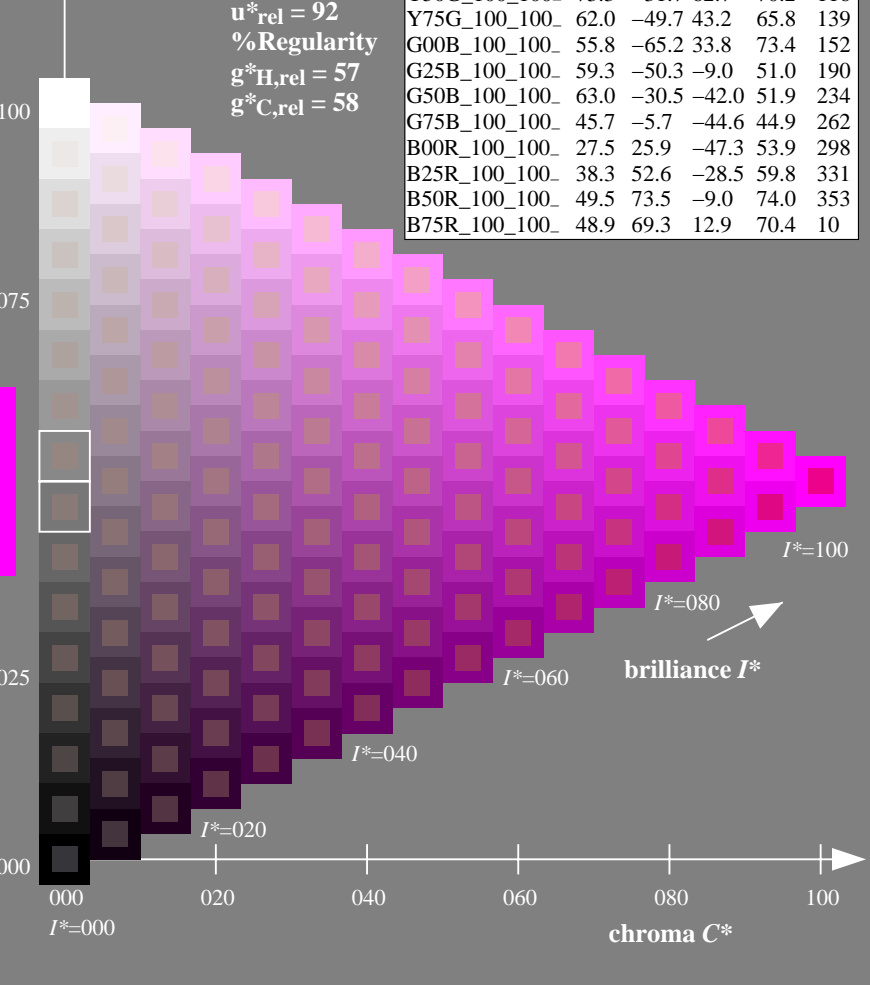
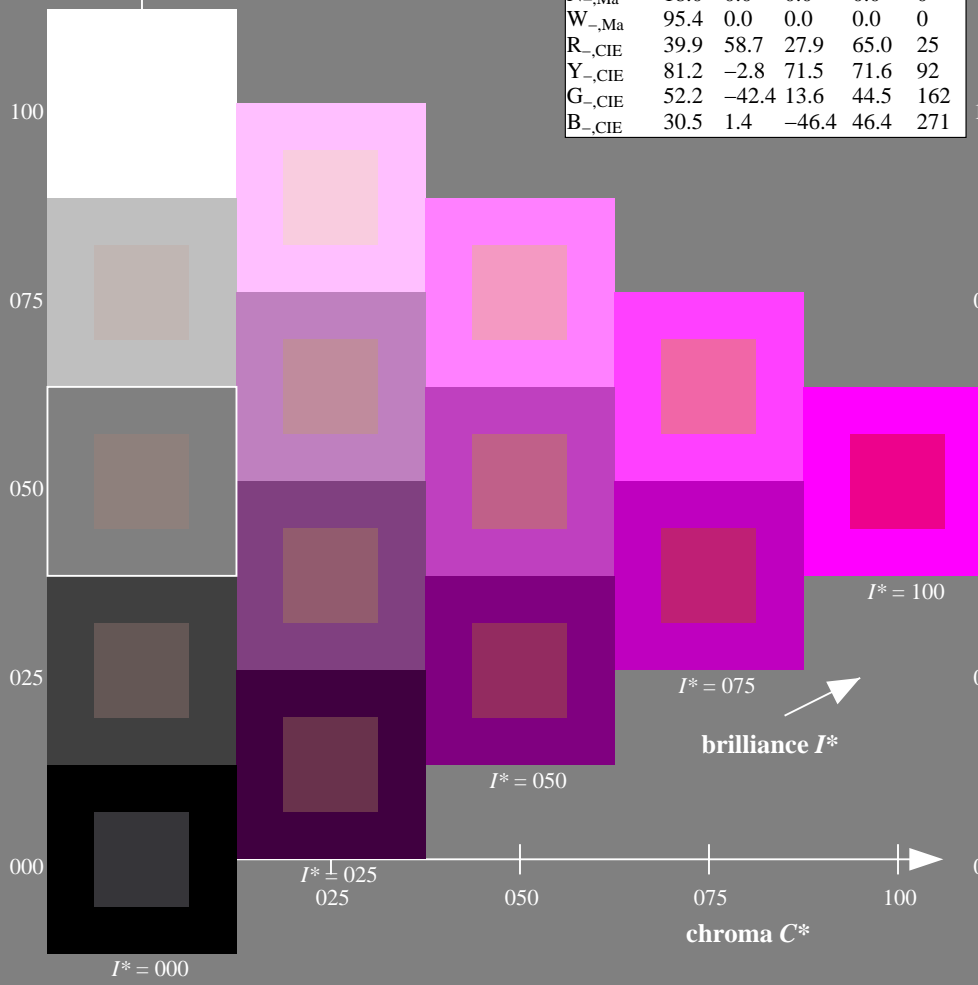
1.0 0.0 1.0 1.0 1.0

triangle lightness T^*

%Gamut
 $u^*_{rel} = 92$
%Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 58$

ORS20a; adapted (a) CIELAB data

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



see similar files: http://130.149.60.45/~farbmetrik/RE32/RE32.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE32/RE32L0NP.PDF /.PS
application for measurement of display output

TUB material: code=rh4ta

Input and Output: Television Luminous System TLS00a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 328/360 = 0.91$

$H^*_e = B50R_e$

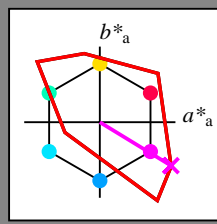
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = B50R_e$

triangle lightness T^*



TLS00a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
Re,Ma	50.9	78.3	37.3	86.7	25
Ye,Ma	83.7	-3.4	84.5	84.5	92
Ge,Ma	85.1	-64.6	20.7	67.9	162
Ce,Ma	79.0	-34.2	-25.7	42.8	216
Be,Ma	59.2	1.7	-56.6	56.6	271
Me,Ma	57.1	94.1	-57.4	110.3	328
Ne,Ma	0.0	0.0	0.0	0.0	0
We,Ma	95.4	0.0	0.0	0.0	0
Re,CIE	39.9	58.7	27.9	65.0	25
Ye,CIE	81.2	-2.8	71.5	71.6	92
Ge,CIE	52.2	-42.4	13.6	44.5	162
Be,CIE	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{e, Ma}: 57\ 94\ -57\ 110\ 328$

$HIC^*_{e, Ma}: B50R_100_100_e$

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

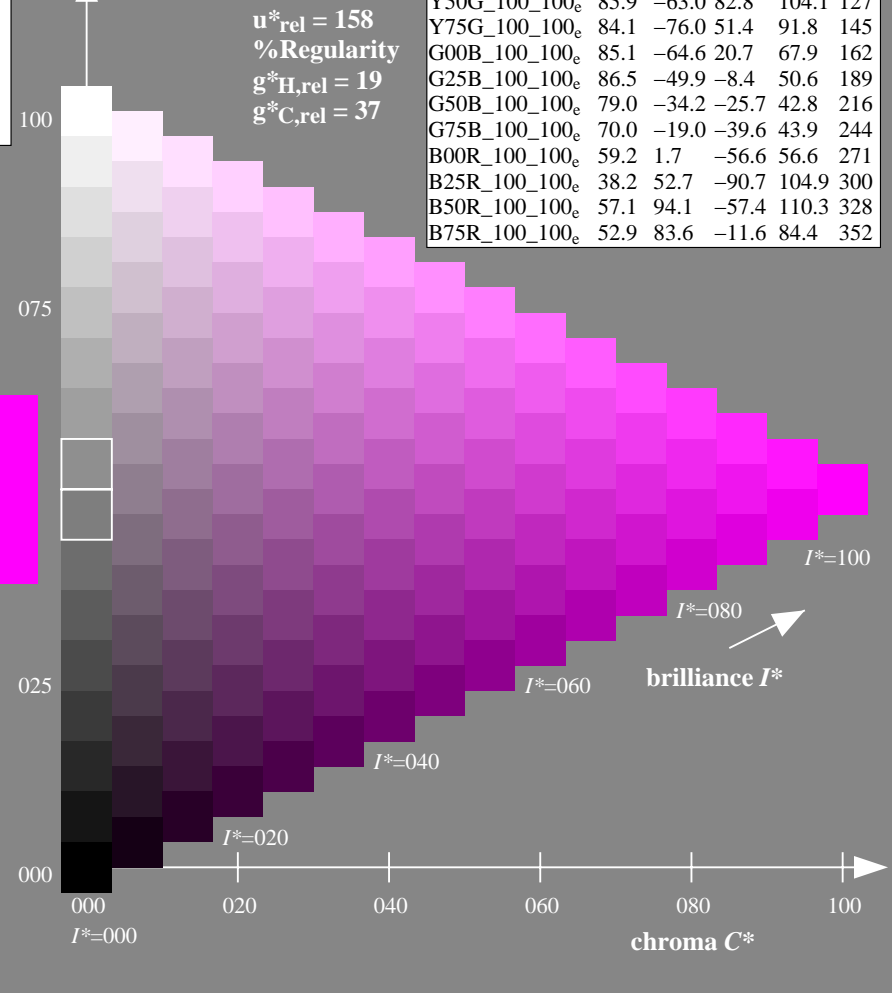
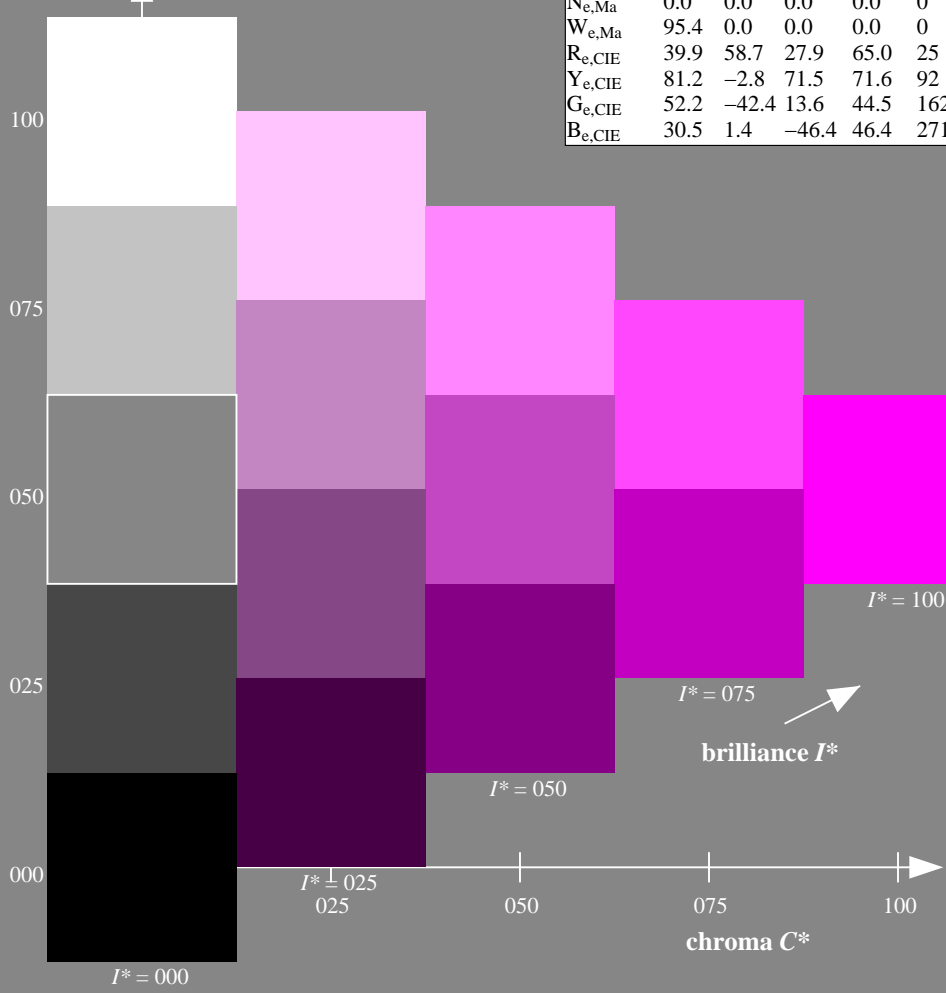
1.0 0.0 0.99 1.0 1.0

triangle lightness T^*

TLS00a; adapted (a) CIELAB data

H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	50.9	78.3	37.3	86.7	25
R25Y_100_100_e	51.3	74.4	64.8	98.7	41
R50Y_100_100_e	63.1	42.7	70.8	82.7	58
R75Y_100_100_e	73.5	18.3	77.7	79.8	76
Y00G_100_100_e	83.7	-3.4	84.5	84.5	92
Y25G_100_100_e	91.0	-29.9	88.9	93.8	108
Y50G_100_100_e	85.9	-63.0	82.8	104.1	127
Y75G_100_100_e	84.1	-76.0	51.4	91.8	145
G00B_100_100_e	85.1	-64.6	20.7	67.9	162
G25B_100_100_e	86.5	-49.9	-8.4	50.6	189
G50B_100_100_e	79.0	-34.2	-25.7	42.8	216
G75B_100_100_e	70.0	-19.0	-39.6	43.9	244
B00R_100_100_e	59.2	1.7	-56.6	56.6	271
B25R_100_100_e	38.2	52.7	-90.7	104.9	300
B50R_100_100_e	57.1	94.1	-57.4	110.3	328
B75R_100_100_e	52.9	83.6	-11.6	84.4	352

%Gamut
 $u^*_{rel} = 158$
%Regularity
 $g^*_{H,rel} = 19$
 $g^*_{C,rel} = 37$

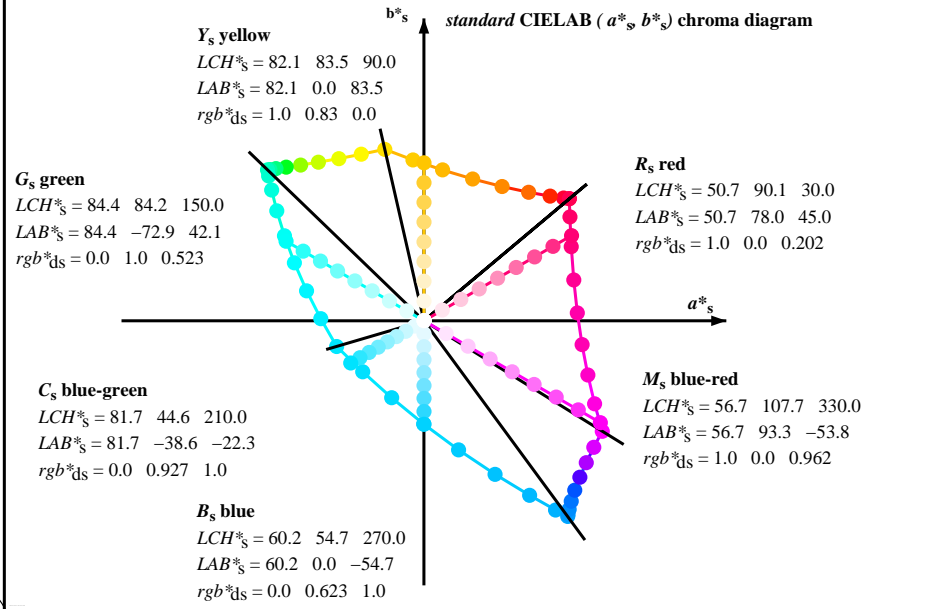
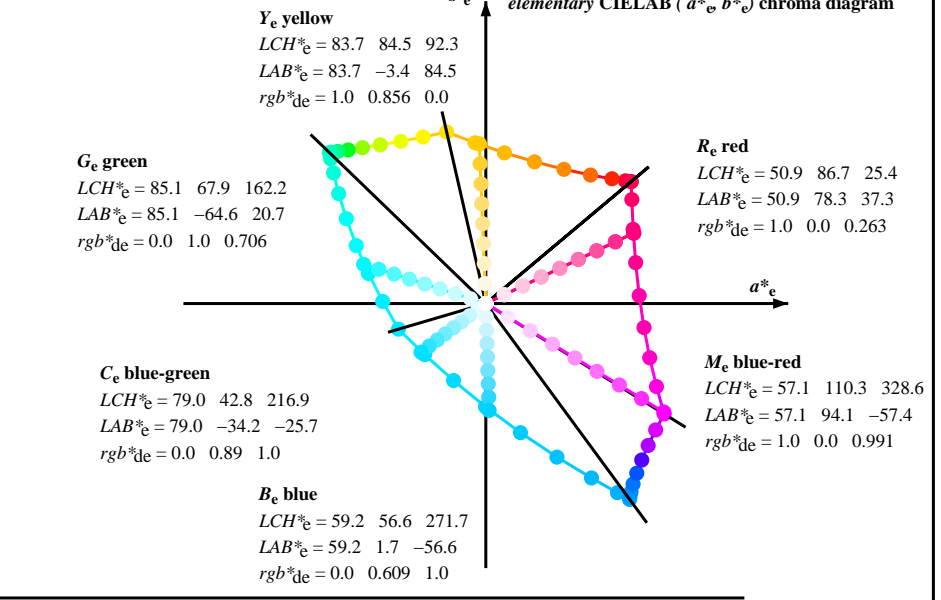
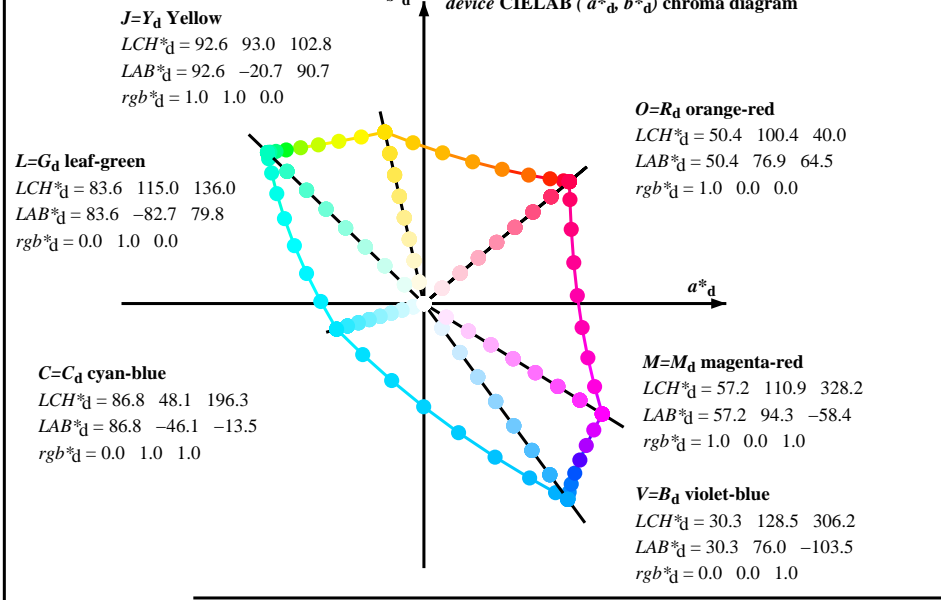


see similar files: http://130.149.60.45/~farbmetrik/RE32/RE32LONP.PDF /.PS; transfer output
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE32/RE32LONP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rh4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
 Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



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

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

$$h_{ab,s} = atan [r^*_d \ cos(30) + g^*_d \ cos(150)] / [r^*_d \ sin(30) + g^*_d \ sin(150) + b^*_d \ sin(270)] \quad (1)$$
- 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 : $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) 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 : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:

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

$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- 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 5 or 1 to 4.
- The values rgb^*_e produce the output of the device-independent elementary hues

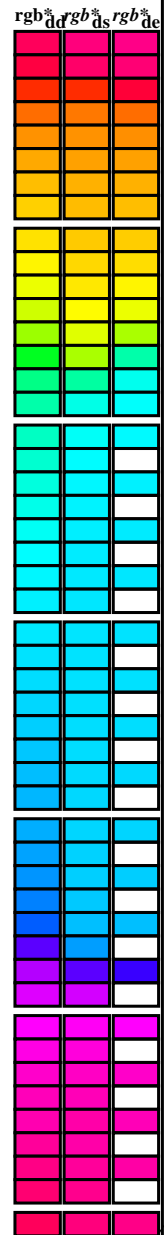
see similar files: http://130.149.60.45/~farbmetrik/RE32/RE32.HTM
 technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE32/RE32LONP.PDF /.PS
 application for measurement of display output, no separation

TUB material: code=rh4ta

Data of maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM_d: h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with columns for device colors (h_{ab,d}, h_{ab,s}, h_{ab,e}, r_{gb}^a, d_{64M}, LAB*, d_{dx361M}, LAB*, d_{dx361M} (x=LabCh), r_{gb}^a, d_{dx361M}, LAB*, d_{dx361M} (x=LabCh), r_{gb}^a, d_{dx361M}, LAB*, d_{dx361M} (x=LabCh), r_{gb}^a, d_{dx361M}, LAB*, d_{dx361M} (x=LabCh). Rows list various colorimetric data points.



TUB-test chart RE32; hue code: H*_e=B50R_e Test chart according to DIN 33872, 3D=0, de=1, sRGB

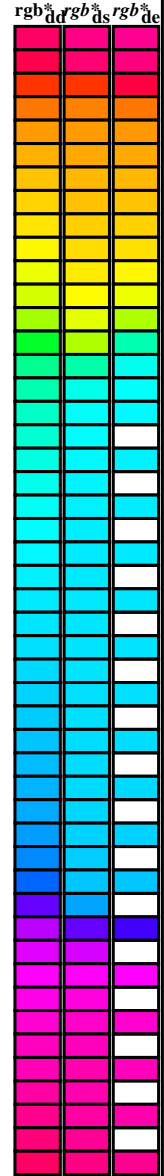
input: rgb/cmyk -> rgb_e output: transfer to rgb_e

see similar files: http://130.149.60.45/~farbmetrik/RE32/RE32LONP.PDF / .PS application for measurement of display output, no separation

TUB registration: 20130201-RE32/RE32LONP.PDF /.PS TUB material: code=rh4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM_d: h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd64M	LAB* ddx64M (x=LabCh)	rgb* dex361M	LAB* dex361M
40.0	30.0	25.4	1.0 0.0 0.0	50.4 76.9 64.5 100.4 40.0	1.0 0.0 0.263 50.9	78.3 37.3 86.7 25
41.3	37.5	33.8	1.0 0.125 0.0	51.5 73.9 64.9 98.3 41.3	1.0 0.0 0.156 50.7	77.7 51.0 92.9 33
44.6	45.0	42.1	1.0 0.25 0.0	54.0 66.7 65.9 93.8 44.6	1.0 0.157 0.0	52.2 72.0 65.3 97.2 42
50.7	52.5	50.5	1.0 0.375 0.0	58.2 55.4 67.9 87.7 50.7	1.0 0.358 0.0	57.7 56.9 67.8 88.6 49
59.7	60.0	58.8	1.0 0.5 0.0	63.6 41.3 71.0 82.2 59.7	1.0 0.488 0.0	63.1 42.8 70.9 82.8 58
71.0	67.5	67.2	1.0 0.625 0.0	70.1 25.7 75.0 79.3 71.0	1.0 0.577 0.0	67.6 31.8 73.9 80.5 66
82.9	75.0	75.6	1.0 0.75 0.0	77.2 9.8 79.7 80.4 82.9	1.0 0.673 0.0	72.8 19.8 77.3 79.8 75
93.8	82.5	83.9	1.0 0.875 0.0	84.8 -5.7 85.0 85.2 93.8	1.0 0.755 0.0	77.5 9.3 80.1 80.6 83
102.8	90.0	92.3	1.0 1.0 0.0	92.6 -20.7 90.7 93.0 102.8	1.0 0.857 0.0	83.7 -3.3 84.5 84.6 92
110.5	97.5	101.0	0.875 1.0 0.0	90.4 -33.1 88.1 94.1 110.5	1.0 0.967 0.0	90.6 -16.4 89.5 91.0 100
117.6	105.0	109.7	0.75 1.0 0.0	88.5 -44.9 85.8 96.8 117.6	0.888 1.0 0.0	90.7 -31.7 88.5 94.0 109
123.6	112.5	118.5	0.625 1.0 0.0	86.9 -55.8 83.9 100.7 123.6	0.743 1.0 0.0	88.5 -45.4 85.8 97.1 117
128.3	120.0	127.2	0.5 1.0 0.0	85.7 -65.2 82.4 105.1 128.3	0.529 1.0 0.0	86.0 -62.9 82.9 104.1 127
131.8	127.5	136.0	0.375 1.0 0.0	84.7 -72.8 81.2 109.1 131.8	0.132 1.0 0.0	83.8 -81.2 80.1 114.1 135
134.1	135.0	144.7	0.25 1.0 0.0	84.1 -78.2 80.5 112.2 134.1	0.0 1.0 0.41	84.1 -76.8 54.3 94.1 144
135.5	142.5	153.4	0.125 1.0 0.0	83.7 -81.4 80.0 114.2 135.5	0.0 1.0 0.573	84.6 -70.9 36.3 79.8 152
136.0	150.0	162.2	0.0 1.0 0.0	83.6 -82.7 79.8 115.0 136.0	0.0 1.0 0.706	85.2 -64.6 20.7 67.9 162
137.0	157.5	169.0	0.0 1.0 0.125	83.6 -82.1 76.6 112.3 137.0	0.0 1.0 0.778	85.5 -60.6 12.2 61.9 168
139.3	165.0	175.9	0.0 1.0 0.25	83.8 -80.5 69.1 106.1 139.3	0.0 1.0 0.847	85.9 -56.4 4.0 56.7 175
143.2	172.5	182.7	0.0 1.0 0.375	84.0 -77.8 58.1 97.1 143.2	0.0 1.0 0.9	86.2 -53.2 -2.0 53.3 182
148.6	180.0	189.6	0.0 1.0 0.5	84.3 -73.7 44.9 86.4 148.6	0.0 1.0 0.952	86.6 -49.8 -8.3 50.6 189
155.8	187.5	196.4	0.0 1.0 0.625	84.7 -68.5 30.6 75.0 155.8	0.0 1.0 0.997	86.9 -46.3 -13.2 48.3 195
165.6	195.0	203.2	0.0 1.0 0.75	85.3 -62.0 15.9 64.0 165.6	0.0 0.963	1.0 84.3 -42.5 -18.2 46.4 203
178.8	202.5	210.1	0.0 1.0 0.875	86.0 -54.5 1.0 54.5 178.8	0.0 0.929	1.0 81.8 -38.8 -22.1 44.7 209
196.3	210.0	216.9	0.0 1.0 1.0	86.8 -46.1 -13.5 48.1 196.3	0.0 0.89	1.0 79.1 -34.2 -25.7 42.9 216
219.8	217.5	223.8	0.0 0.875 1.0	77.9 -32.3 -27.0 42.1 219.8	0.0 0.859	1.0 76.9 -30.7 -29.0 42.4 223
247.2	225.0	230.6	0.0 0.75 1.0	69.1 -17.0 -40.7 44.1 247.2	0.0 0.826	1.0 74.5 -27.1 -33.1 43.0 230
269.8	232.5	237.5	0.0 0.625 1.0	60.3 -0.1 -54.6 54.6 269.8	0.0 0.797	1.0 72.4 -23.5 -36.3 43.4 237
285.0	240.0	244.3	0.0 0.5 1.0	51.7 18.3 -68.3 70.7 285.0	0.0 0.763	1.0 70.1 -18.9 -39.5 44.0 244
294.8	247.5	251.2	0.0 0.375 1.0	43.8 37.6 -81.2 89.5 294.8	0.0 0.731	1.0 67.8 -15.0 -43.1 45.8 250
301.1	255.0	258.0	0.0 0.25 1.0	37.1 55.9 -92.3 107.9 301.1	0.0 0.69	1.0 64.9 -10.1 -48.0 49.2 258
304.8	262.5	264.8	0.0 0.125 1.0	32.4 69.5 -100.0 121.8 304.8	0.0 0.655	1.0 62.4 -5.0 -51.8 52.1 264
306.2	270.0	271.7	0.0 0.0 1.0	30.3 76.0 -103.5 128.5 306.2	0.0 0.609	1.0 59.3 1.7 -56.5 56.6 271
306.6	277.5	278.8	0.125 0.0 1.0	31.0 76.2 -102.4 127.7 306.6	0.0 0.555	1.0 55.5 9.3 -62.9 63.7 278
307.5	285.0	285.9	0.25 0.0 1.0	32.6 76.8 -99.8 125.9 307.5	0.0 0.488	1.0 51.0 19.9 -69.6 72.5 285
309.2	292.5	293.0	0.375 0.0 1.0	35.1 77.9 -95.5 123.3 309.2	0.0 0.404	1.0 45.7 32.7 -78.5 85.2 292
311.6	300.0	300.1	0.5 0.0 1.0	38.5 79.8 -89.7 120.0 311.6	0.0 0.27	1.0 38.2 52.8 -90.6 105.0 300
314.8	307.5	307.2	0.625 0.0 1.0	42.7 82.5 -82.7 116.8 314.8	0.0 0.146	0.0 31.3 76.4 -102.0 127.5 306
318.8	315.0	314.3	0.75 0.0 1.0	47.2 85.8 -75.1 114.0 318.8	0.0 0.605	0.0 42.1 82.1 -83.8 117.4 314
323.3	322.5	321.4	0.875 0.0 1.0	52.1 89.8 -66.9 112.0 323.3	0.0 0.811	0.0 49.7 87.9 -71.0 113.1 321
328.2	330.0	328.6	1.0 0.0 1.0	57.2 94.3 -58.4 110.9 328.2	0.0 0.992	57.2 94.2 -57.4 110.3 328
334.0	337.5	335.7	1.0 0.0 0.875	55.6 90.3 -43.9 100.4 334.0	0.0 0.856	55.4 89.9 -41.4 99.0 335
341.6	345.0	342.8	1.0 0.0 0.75	54.2 86.7 -28.6 91.3 341.6	1.0 0.0	0.735 54.1 86.5 -26.6 90.6 342
351.4	352.5	349.9	1.0 0.0 0.625	53.0 83.6 -12.6 84.6 351.4	1.0 0.0	0.65 53.3 84.5 -15.6 86.0 349
362.9	360.0	357.0	1.0 0.0 0.5	52.0 81.1 4.1 81.2 362.9	1.0 0.0	0.618 53.0 83.6 -11.6 84.4 352
375.2	367.5	364.1	1.0 0.0 0.375	51.3 79.2 21.6 82.1 375.2	1.0 0.0	0.533 52.3 82.2 -0.1 82.2 359
386.7	375.0	371.2	1.0 0.0 0.25	50.8 77.9 39.2 87.2 386.7	1.0 0.0	0.441 51.7 80.7 12.5 81.7 368
395.4	382.5	378.3	1.0 0.0 0.125	50.6 77.2 54.9 94.8 395.4	1.0 0.0	0.361 51.3 79.3 23.6 82.8 376
400.0	390.0	385.4	1.0 0.0 0.0	50.4 76.9 64.5 100.4 400.0	1.0 0.0	0.263 50.9 78.3 37.3 86.7 385



see similar files: http://130.149.60.45/~farbmetrik/RE32/RE32LONP.PDF /.PS; transfer output
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE32/RE32LONP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rh4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM_d: h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with 28 columns: h_{ab,d}, h_{ab,s}, h_{ab,e}, r_{gb}^{*}dd361M, LAB^{*}ddx361Mi (x=LabCh), R_d, r_{gb}^{*}ds361Mi, LAB^{*}dsx361Mi (x=LabCh), R_s, r_{gb}^{*}dd361Mi, LAB^{*}de361Mi, LAB^{*}dex361Mi (x=LabCh), r_{gb}^{*}dd361Mi, R_e, r_{gb}^{*}dd361Mi, r_{gb}^{*}dd, r_{gb}^{*}ds, r_{gb}^{*}de. Rows 40-82.

see similar files: http://130.149.60.45/~farbmetrik/RE32/RE32.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE32/RE32LONP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rh4t4

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBCM_d: h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with columns for device and elementary color parameters (h_{ab,d}, h_{ab,s}, h_{ab,e}, r_{gb}^{*}, d_s361M, LAB^{*}, d_sx361Mi (x=LabCh), r_{gb}^{*}, d_s361Mi, LAB^{*}, d_sx361Mi (x=LabCh), r_{gb}^{*}, d_e361Mi, LAB^{*}, d_ex361Mi (x=LabCh), r_{gb}^{*}, d_d361Mi, LAB^{*}, d_d361Mi) and rows for 48 color patches (103-128).

1-013630-L0 RE320-71 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 7/29

TUB-test chart RE32; hue code: H*e=B50R_e
48 step hue circles; r_{gb}-LabCh*tables

input: r_{gb}/c_{myk} -> r_{gb}_e
output: transfer to r_{gb}_e

see similar files: http://130.149.60.45/~farbmetrik/RE32/RE32.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE32/RE32LONP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM_s*; *h_{ab,ds}* = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Six hue angles of the device colours *RYGCBM_d*; *h_{ab,d}* = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours *RYGCBM_e*; *h_{ab,e}* = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with columns for device colors (h_ab,d, h_ab,s, h_ab,e, rbg*dd361M, LAB*ddx361Mi), elementary colors (rgb*ds361Mi, LAB*dsx361Mi), and standard colors (rgb*de361Mi, LAB*dex361Mi). Includes a color calibration bar on the right with labels rbg*_dd, rbg*_ds, rbg*_de.

see similar files: http://130.149.60.45/~farbmetrik/RE32/RE32.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE32/RE32LONP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM_s*; *h_{ab,ds}* = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Six hue angles of the device colours *RYGCBM_d*; *h_{ab,d}* = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours *RYGCBM_e*; *h_{ab,e}* = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

<i>h_{ab,d}</i>	<i>h_{ab,s}</i>	<i>h_{ab,e}</i>	<i>rgb*_{dd}361M</i>	<i>LAB*_{ddx361Mi} (x=LabCh)</i>	<i>rgb*_{ds361Mi}</i>	<i>LAB*_{dsx361Mi} (x=LabCh)</i>	<i>rgb*_{dd361Mi}</i>	<i>rgb*_{de361Mi}</i>	<i>LAB*_{dex361Mi} (x=LabCh)</i>	<i>rgb*_{dd361Mi}</i>	<i>rgb*_{de361Mi}</i>	<i>rgb*_{dd}</i>	<i>rgb*_{ds}</i>	<i>rgb*_{de}</i>									
139	165	175	0.0	1.0	0.25	83.8	-80.5	69.1	106.1	139	0.0	1.0	0.25	83.8	-80.5	69.1	106.1	139					
139	166	176	0.0	1.0	0.266	83.8	-80.2	67.6	104.9	139	0.0	1.0	0.267	83.8	-80.2	67.6	104.9	139					
140	167	177	0.0	1.0	0.283	83.8	-79.9	66.1	103.7	140	0.0	1.0	0.283	83.8	-79.9	66.1	103.7	140					
140	168	178	0.0	1.0	0.3	83.8	-79.6	64.6	102.5	140	0.0	1.0	0.3	83.8	-79.6	64.6	102.5	140					
141	169	179	0.0	1.0	0.316	83.9	-79.2	63.1	101.3	141	0.0	1.0	0.317	83.9	-79.2	63.1	101.3	141					
141	170	180	0.0	1.0	0.333	83.9	-78.8	61.7	100.1	141	0.0	1.0	0.333	83.9	-78.8	61.7	100.1	141					
142	171	181	0.0	1.0	0.35	83.9	-78.4	60.2	98.9	142	0.0	1.0	0.35	83.9	-78.4	60.2	98.9	142					
142	172	182	0.0	1.0	0.366	84.0	-78.0	58.8	97.7	142	0.0	1.0	0.367	84.0	-78.0	58.8	97.7	142					
143	173	183	0.0	1.0	0.383	84.0	-77.6	57.2	96.4	143	0.0	1.0	0.383	84.0	-77.6	57.2	96.4	143					
144	174	184	0.0	1.0	0.4	84.0	-77.1	55.4	94.9	144	0.0	1.0	0.4	84.0	-77.1	55.4	94.9	144					
145	175	185	0.0	1.0	0.416	84.1	-76.6	53.6	93.5	145	0.0	1.0	0.417	84.1	-76.6	53.6	93.5	145					
145	176	185	0.0	1.0	0.433	84.1	-76.1	51.8	92.1	145	0.0	1.0	0.433	84.1	-76.1	51.8	92.1	145					
146	177	186	0.0	1.0	0.45	84.2	-75.6	50.0	90.6	146	0.0	1.0	0.45	84.2	-75.6	50.0	90.6	146					
147	178	187	0.0	1.0	0.466	84.2	-75.0	48.3	89.2	147	0.0	1.0	0.467	84.2	-75.0	48.3	89.2	147					
147	179	188	0.0	1.0	0.483	84.3	-74.4	46.6	87.8	147	0.0	1.0	0.483	84.3	-74.4	46.6	87.8	147					
148	180	189	0.0	1.0	0.5	84.3	-73.7	44.9	86.4	148	0.0	1.0	0.5	84.3	-73.7	44.9	86.4	148					
149	181	190	0.0	1.0	0.516	84.4	-73.2	42.9	84.8	149	0.0	1.0	0.517	84.4	-73.2	42.9	84.8	149					
150	182	191	0.0	1.0	0.533	84.4	-72.6	40.9	83.3	150	0.0	1.0	0.533	84.4	-72.6	40.9	83.3	150					
151	183	192	0.0	1.0	0.55	84.5	-71.9	39.0	81.8	151	0.0	1.0	0.55	84.5	-71.9	39.0	81.8	151					
152	184	193	0.0	1.0	0.566	84.5	-71.2	37.0	80.3	152	0.0	1.0	0.567	84.5	-71.2	37.0	80.3	152					
153	185	194	0.0	1.0	0.583	84.6	-70.5	35.2	78.8	153	0.0	1.0	0.583	84.6	-70.5	35.2	78.8	153					
154	186	195	0.0	1.0	0.6	84.6	-69.7	33.3	77.3	154	0.0	1.0	0.6	84.6	-69.7	33.3	77.3	154					
155	187	195	0.0	1.0	0.616	84.7	-68.9	31.5	75.8	155	0.0	1.0	0.617	84.7	-68.9	31.5	75.8	155					
156	188	196	0.0	1.0	0.633	84.8	-68.1	29.5	74.3	156	0.0	1.0	0.633	84.8	-68.1	29.5	74.3	156					
157	189	197	0.0	1.0	0.65	84.8	-67.4	27.4	72.8	157	0.0	1.0	0.65	84.8	-67.4	27.4	72.8	157					
159	190	198	0.0	1.0	0.666	84.9	-66.7	25.4	71.3	159	0.0	1.0	0.667	84.9	-66.7	25.4	71.3	159					
160	191	199	0.0	1.0	0.683	85.0	-65.8	23.4	69.9	160	0.0	1.0	0.683	85.0	-65.8	23.4	69.9	160					
161	192	200	0.0	1.0	0.7	85.1	-65.0	21.4	68.4	161	0.0	1.0	0.7	85.1	-65.0	21.4	68.4	161					
163	193	201	0.0	1.0	0.716	85.2	-64.0	19.5	67.0	163	0.0	1.0	0.717	85.2	-64.0	19.5	67.0	163					
164	194	202	0.0	1.0	0.733	85.2	-63.1	17.6	65.5	164	0.0	1.0	0.733	85.2	-63.1	17.6	65.5	164					
165	195	203	0.0	1.0	0.75	85.3	-62.0	15.9	64.0	165	0.0	1.0	0.75	85.3	-62.0	15.9	64.0	165					
167	196	204	0.0	1.0	0.766	85.4	-61.2	13.7	62.8	167	0.0	1.0	0.767	85.4	-61.2	13.7	62.8	167					
169	197	205	0.0	1.0	0.783	85.5	-60.4	11.5	61.5	169	0.0	1.0	0.783	85.5	-60.4	11.5	61.5	169					
170	198	206	0.0	1.0	0.8	85.6	-59.5	9.5	60.2	170	0.0	1.0	0.8	85.6	-59.5	9.5	60.2	170					
172	199	206	0.0	1.0	0.816	85.7	-58.5	7.5	59.0	172	0.0	1.0	0.817	85.7	-58.5	7.5	59.0	172					
174	200	207	0.0	1.0	0.833	85.8	-57.4	5.5	57.7	174	0.0	1.0	0.833	85.8	-57.4	5.5	57.7	174					
176	201	208	0.0	1.0	0.85	85.9	-56.3	3.7	56.4	176	0.0	1.0	0.85	85.9	-56.3	3.7	56.4	176					
177	202	209	0.0	1.0	0.866	86.0	-55.1	1.9	55.2	177	0.0	1.0	0.867	86.0	-55.1	1.9	55.2	177					
180	203	210	0.0	1.0	0.883	86.1	-54.1	0.0	54.1	180	0.0	1.0	0.883	86.1	-54.1	0.0	54.1	180					
182	204	211	0.0	1.0	0.9	86.2	-53.2	-2.1	53.2	182	0.0	1.0	0.9	86.2	-53.2	-2.1	53.2	182					
184	205	212	0.0	1.0	0.916	86.3	-52.2	-4.2	52.4	184	0.0	1.0	0.917	86.3	-52.2	-4.2	52.4	184					
187	206	213	0.0	1.0	0.933	86.4	-51.1	-6.3	51.5	187	0.0	1.0	0.933	86.4	-51.1	-6.3	51.5	187					
189	207	214	0.0	1.0	0.95	86.5	-50.0	-8.2	50.7	189	0.0	1.0	0.95	86.5	-50.0	-8.2	50.7	189					
191	208	215	0.0	1.0	0.966	86.6	-48.8	-10.1	49.8	191	0.0	1.0	0.967	86.6	-48.8	-10.1	49.8	191					
194	209	216	0.0	1.0	0.983	86.7	-47.5	-11.8	48.9	194	0.0	1.0	0.983	86.7	-47.5	-11.8	48.9	194					
196	210	216	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1	196	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1	196					
C _d			0.0	0.927	1.0	81.7	-38.6	-22.2	44.7	210	C _e	0.0	1.0	1.0	0.0	0.89	1.0	79.1	-34.2	-25.7	42.9	216	C _e

see similar files: http://130.149.60.45/~farbmetrik/RE32/RE32.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE32/RE32LONP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM_d: h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with 30 columns: h_{ab,d}, h_{ab,s}, h_{ab,e}, r_{gb}*_dd361M, LAB*_dds361Mi (x=LabCh), C_d, r_{gb}*_ds361Mi, LAB*_dsx361Mi (x=LabCh), 210C_s, r_{gb}*_dd361Mi, LAB*_de361Mi, LAB*_dex361Mi (x=LabCh), 216C_c, r_{gb}*_dd361Mi, r_{gb}*_dd, r_{gb}*_ds, r_{gb}*_de. Rows 196-301.

see similar files: http://130.149.60.45/~farbmetrik/RE32/RE32.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE32/RE32LONP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s; h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
Six hue angles of the device colours RYGBCM_d; h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e; h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd361M	LAB* dxx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi
311	300	300	0.5 0.0 1.0	38.5 79.8 -89.7 120.0 311	0.0 0.274 1.0	38.4 52.2 -90.4 104.5 300	0.5 0.0 1.0	0.0 0.27 1.0	38.2 52.8 -90.6 105.0 300	0.5 0.0 1.0	
312	301	301	0.516 0.0 1.0	39.1 80.2 -88.7 119.6 312	0.0 0.254 1.0	37.4 55.3 -91.9 107.4 301	0.517 0.0 1.0	0.0 0.251 1.0	37.2 55.7 -92.1 107.7 301	0.517 0.0 1.0	
312	302	302	0.533 0.0 1.0	39.6 80.6 -87.8 119.2 312	0.0 0.222 1.0	36.1 58.8 -94.1 111.0 302	0.533 0.0 1.0	0.0 0.22 1.0	36.0 59.1 -94.2 111.3 302	0.533 0.0 1.0	
312	303	303	0.55 0.0 1.0	40.2 80.9 -86.9 118.8 312	0.0 0.188 1.0	34.8 62.6 -96.3 114.9 303	0.55 0.0 1.0	0.0 0.187 1.0	34.8 62.6 -96.3 115.0 303	0.55 0.0 1.0	
313	304	304	0.566 0.0 1.0	40.7 81.3 -86.0 118.3 313	0.0 0.153 1.0	33.5 66.4 -98.4 118.8 304	0.567 0.0 1.0	0.0 0.154 1.0	33.6 66.3 -98.3 118.6 303	0.567 0.0 1.0	
313	305	304	0.583 0.0 1.0	41.3 81.6 -85.1 117.9 313	0.0 0.109 1.0	32.2 70.4 -100.4 122.7 305	0.583 0.0 1.0	0.0 0.117 1.0	32.4 70.0 -100.2 122.3 304	0.583 0.0 1.0	
314	306	305	0.6 0.0 1.0	41.8 82.0 -84.1 117.5 314	0.0 0.024 1.0	30.8 74.8 -102.8 127.2 306	0.6 0.0 1.0	0.0 0.036 1.0	31.0 74.2 -102.5 126.6 305	0.6 0.0 1.0	
314	307	306	0.616 0.0 1.0	42.4 82.3 -83.2 117.0 314	0.172 0.0 1.0	31.6 76.5 -101.4 127.1 307	0.617 0.0 1.0	0.146 0.0 1.0	31.3 76.4 -102.0 127.5 306	0.617 0.0 1.0	
315	308	307	0.633 0.0 1.0	43.0 82.7 -82.2 116.6 315	0.282 0.0 1.0	33.2 77.2 -98.6 125.3 308	0.633 0.0 1.0	0.263 0.0 1.0	32.9 77.0 -99.3 125.7 307	0.633 0.0 1.0	
315	309	308	0.65 0.0 1.0	43.6 83.2 -81.2 116.3 315	0.357 0.0 1.0	34.8 77.8 -96.0 123.7 309	0.65 0.0 1.0	0.335 0.0 1.0	34.3 77.6 -96.8 124.2 308	0.65 0.0 1.0	
316	310	309	0.666 0.0 1.0	44.2 83.7 -80.2 115.9 316	0.414 0.0 1.0	36.2 78.6 -93.6 122.3 310	0.667 0.0 1.0	0.396 0.0 1.0	35.8 78.3 -94.4 122.8 309	0.667 0.0 1.0	
316	311	310	0.683 0.0 1.0	44.8 84.1 -79.2 115.5 316	0.465 0.0 1.0	37.6 79.4 -91.2 121.0 311	0.683 0.0 1.0	0.445 0.0 1.0	37.1 79.1 -92.2 121.5 310	0.683 0.0 1.0	
317	312	311	0.7 0.0 1.0	45.4 84.6 -78.1 115.2 317	0.513 0.0 1.0	39.0 80.1 -88.9 119.8 312	0.7 0.0 1.0	0.493 0.0 1.0	38.4 79.8 -89.9 120.3 311	0.7 0.0 1.0	
317	313	312	0.716 0.0 1.0	46.0 85.0 -77.1 114.8 317	0.551 0.0 1.0	40.3 81.0 -86.8 118.8 313	0.717 0.0 1.0	0.532 0.0 1.0	39.6 80.6 -87.9 119.3 312	0.717 0.0 1.0	
318	314	313	0.733 0.0 1.0	46.6 85.4 -76.1 114.4 318	0.59 0.0 1.0	41.6 81.8 -84.6 117.8 314	0.733 0.0 1.0	0.569 0.0 1.0	40.8 81.4 -85.8 118.3 313	0.733 0.0 1.0	
318	315	314	0.75 0.0 1.0	47.2 85.8 -75.1 114.0 318	0.628 0.0 1.0	42.8 82.6 -82.5 116.8 315	0.75 0.0 1.0	0.605 0.0 1.0	42.1 82.1 -83.8 117.4 314	0.75 0.0 1.0	
319	316	315	0.766 0.0 1.0	47.9 86.4 -74.0 113.8 319	0.66 0.0 1.0	44.0 83.5 -80.6 116.1 316	0.767 0.0 1.0	0.639 0.0 1.0	43.2 82.9 -81.8 116.6 315	0.767 0.0 1.0	
320	317	316	0.783 0.0 1.0	48.5 87.0 -72.9 113.5 320	0.692 0.0 1.0	45.2 84.4 -78.6 115.4 317	0.783 0.0 1.0	0.669 0.0 1.0	44.3 83.8 -80.0 115.9 316	0.783 0.0 1.0	
320	318	317	0.8 0.0 1.0	49.2 87.5 -71.8 113.2 320	0.724 0.0 1.0	46.3 85.2 -76.6 114.7 318	0.8 0.0 1.0	0.699 0.0 1.0	45.4 84.6 -78.1 115.2 317	0.8 0.0 1.0	
321	319	318	0.816 0.0 1.0	49.8 88.1 -70.7 113.0 321	0.755 0.0 1.0	47.5 86.0 -74.7 114.0 319	0.817 0.0 1.0	0.729 0.0 1.0	46.5 85.4 -76.3 114.5 318	0.817 0.0 1.0	
321	320	319	0.833 0.0 1.0	50.5 88.6 -69.6 112.7 321	0.783 0.0 1.0	48.6 87.0 -72.9 113.6 320	0.833 0.0 1.0	0.758 0.0 1.0	47.6 86.2 -74.5 114.0 319	0.833 0.0 1.0	
322	321	320	0.85 0.0 1.0	51.2 89.1 -68.5 112.4 322	0.81 0.0 1.0	49.7 87.9 -71.1 113.1 321	0.85 0.0 1.0	0.785 0.0 1.0	48.6 87.1 -72.8 113.5 320	0.85 0.0 1.0	
323	322	321	0.866 0.0 1.0	51.8 89.6 -67.4 112.1 323	0.838 0.0 1.0	50.7 88.8 -69.3 112.7 322	0.867 0.0 1.0	0.811 0.0 1.0	49.7 87.9 -71.0 113.1 321	0.867 0.0 1.0	
323	323	321	0.883 0.0 1.0	52.5 90.1 -66.3 111.9 323	0.866 0.0 1.0	51.8 89.6 -67.4 112.2 323	0.883 0.0 1.0	0.837 0.0 1.0	50.7 88.8 -69.3 112.7 321	0.883 0.0 1.0	
324	324	322	0.9 0.0 1.0	53.2 90.8 -65.2 111.8 324	0.892 0.0 1.0	52.9 90.5 -65.7 111.9 324	0.9 0.0 1.0	0.864 0.0 1.0	51.7 89.5 -67.6 112.2 322	0.9 0.0 1.0	
324	325	323	0.916 0.0 1.0	53.8 91.4 -64.1 111.6 324	0.918 0.0 1.0	53.9 91.5 -64.0 111.7 325	0.917 0.0 1.0	0.889 0.0 1.0	52.8 90.4 -65.9 111.9 323	0.917 0.0 1.0	
325	326	324	0.933 0.0 1.0	54.5 92.0 -62.9 111.5 325	0.943 0.0 1.0	55.0 92.4 -62.2 111.5 326	0.933 0.0 1.0	0.913 0.0 1.0	53.7 91.3 -64.3 111.7 324	0.933 0.0 1.0	
326	327	325	0.95 0.0 1.0	55.2 92.6 -61.8 111.4 326	0.969 0.0 1.0	56.0 93.3 -60.5 111.3 327	0.95 0.0 1.0	0.937 0.0 1.0	54.7 92.2 -62.6 111.5 325	0.95 0.0 1.0	
326	328	326	0.966 0.0 1.0	55.9 93.2 -60.7 111.2 326	0.994 0.0 1.0	57.1 94.2 -58.7 111.0 328	0.967 0.0 1.0	0.961 0.0 1.0	55.7 93.1 -61.0 111.3 326	0.967 0.0 1.0	
327	329	327	0.983 0.0 1.0	56.6 93.8 -59.5 111.1 327	1.0 0.0	0.984 57.1 93.9 -56.4 109.6 329	0.983 0.0 1.0	0.985 0.0 1.0	56.7 93.9 -59.3 111.1 327	0.983 0.0 1.0	
328	330	328	1.0 0.0 1.0	57.2 94.3 -58.4 110.9 328	M _d	1.0 0.0 0.962 56.8 93.4 -53.8 107.8 330	M _s	1.0 0.0 1.0	0.992 57.2 94.2 -57.4 110.3 328	M _e	1.0 0.0 1.0
329	331	329	1.0 0.0 0.983 57.0 93.9 -56.4 109.5 329		1.0 0.0 0.941 56.5 92.7 -51.3 106.0 331		1.0 0.0 0.983	1.0 0.0 0.972 56.9 93.6 -54.9 108.6 329		1.0 0.0 0.983	
329	332	330	1.0 0.0 0.966 56.8 93.4 -54.4 108.1 329		1.0 0.0 0.919 56.2 92.0 -48.8 104.2 332		1.0 0.0 0.967	1.0 0.0 0.951 56.7 93.0 -52.5 106.9 330		1.0 0.0 0.967	
330	333	331	1.0 0.0 0.95 56.6 92.9 -52.4 106.7 330		1.0 0.0 0.898 55.9 91.2 -46.4 102.4 333		1.0 0.0 0.95	1.0 0.0 0.931 56.4 92.4 -50.2 105.2 331		1.0 0.0 0.95	
331	334	332	1.0 0.0 0.933 56.4 92.4 -50.5 105.3 331		1.0 0.0 0.876 55.7 90.4 -44.0 100.5 334		1.0 0.0 0.933	1.0 0.0 0.911 56.1 91.7 -47.8 103.4 332		1.0 0.0 0.933	
332	335	333	1.0 0.0 0.916 56.1 91.8 -48.6 103.9 332		1.0 0.0 0.86 55.5 90.0 -41.9 99.3 335		1.0 0.0 0.917	1.0 0.0 0.89 55.8 90.9 -45.5 101.7 333		1.0 0.0 0.917	
332	336	334	1.0 0.0 0.9 55.9 91.2 -46.7 102.5 332		1.0 0.0 0.843 55.3 89.2 -39.8 98.3 336		1.0 0.0 0.9	1.0 0.0 0.871 55.6 90.2 -43.3 100.2 334		1.0 0.0 0.9	
333	337	335	1.0 0.0 0.883 55.7 90.6 -44.8 101.1 333		1.0 0.0 0.827 55.1 89.6 -37.8 96.9 337		1.0 0.0 0.883	1.0 0.0 0.856 55.4 89.9 -41.4 99.0 335		1.0 0.0 0.883	
334	338	336	1.0 0.0 0.866 55.5 90.1 -42.8 99.8 334		1.0 0.0 0.811 54.9 88.8 -35.8 95.8 338		1.0 0.0 0.867	1.0 0.0 0.84 55.2 89.6 -39.4 97.9 336		1.0 0.0 0.867	
335	339	337	1.0 0.0 0.85 55.3 89.8 -40.7 98.6 335		1.0 0.0 0.794 54.7 88.3 -33.8 94.6 339		1.0 0.0 0.85	1.0 0.0 0.825 55.1 89.2 -37.5 96.8 337		1.0 0.0 0.85	
336	340	338	1.0 0.0 0.833 55.1 89.4 -38.6 97.4 336		1.0 0.0 0.778 54.5 87.7 -31.8 93.4 340		1.0 0.0 0.833	1.0 0.0 0.809 54.9 88.7 -35.6 95.7 338		1.0 0.0 0.833	
337	341	339	1.0 0.0 0.816 54.9 88.9 -36.6 96.2 337		1.0 0.0 0.761 54.3 87.2 -29.9 92.2 341		1.0 0.0 0.817	1.0 0.0 0.794 54.7 88.3 -33.7 94.5 339		1.0 0.0 0.817	
338	342	339	1.0 0.0 0.8 54.7 88.4 -34.5 94.9 338		1.0 0.0 0.746 54.2 86.7 -28.1 91.1 342		1.0 0.0 0.8	1.0 0.0 0.778 54.5 87.8 -31.9 93.4 339		1.0 0.0 0.8	
339	343	340	1.0 0.0 0.783 54.5 87.9 -32.5 93.7 339		1.0 0.0 0.733 54.1 86.5 -26.3 90.5 343		1.0 0.0 0.783	1.0 0.0 0.763 54.4 87.2 -30.0 92.3 340		1.0 0.0 0.783	
340	344	341	1.0 0.0 0.766 54.4 87.3 -30.6 92.5 340		1.0 0.0 0.72 53.9 86.3 -24.6 89.8 344		1.0 0.0 0.767	1.0 0.0 0.748 54.2 86.7 -28.3 91.2 341		1.0 0.0 0.767	
341	345	342	1.0 0.0 0.75 54.2 86.7 -28.6 91.3 341		1.0 0.0 0.707 53.8 86.0 -23.0 89.1 345		1.0 0.0 0.75	1.0 0.0 0.735 54.1 86.5 -26.6 90.6 342		1.0 0.0 0.75	

see similar files: http://130.149.60.45/~farbmetrik/RE32/RE32LONP.PDF /.PS; transfer output
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE32/RE32LONP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rh4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_s; h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM_d; h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBM_e; h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with 40 columns: h_{ab,d}, h_{ab,s}, h_{ab,e}, r_{gb}^{*}dd361M, LAB^{*}ddx361Mi (x=LabCh), r_{gb}^{*}ds361Mi, LAB^{*}dsx361Mi (x=LabCh), r_{gb}^{*}dd361Mi, LAB^{*}de361Mi, dex361Mi (x=LabCh), r_{gb}^{*}dd361Mi, r_{gb}^add, r_{gb}^bds, r_{gb}^cde. Rows 341-400.

TUB-test chart RE32; hue code: H*e=B50R_e
48 step hue circles; r_{gb}-LabCh*tables

input: r_{gb}/cmyk -> r_{gb}_e
output: transfer to r_{gb}_e

see similar files: http://130.149.60.45/~farbmetrik/RE32/RE32.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-RE32/RE32LONP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rha4ta

Table with 80 columns (m=1 to m=80) and 80 rows (n=1 to n=80). Columns are labeled with color names: m=1: HVC*Fe, m=2: rgbe*Fe, m=3: iet*Fe, m=4: hsa*Fe, m=5: LabCH*Fe, m=6: rgbe*Fe, m=7: LabCH*Fe, m=8: DF*Fe, m=9: hsa*Fe, m=10: rgbe*Fe, m=11: LabCH*Fe, m=12: DF*Fe, m=13: hsa*Fe, m=14: rgbe*Fe, m=15: LabCH*Fe, m=16: DF*Fe, m=17: hsa*Fe, m=18: rgbe*Fe, m=19: LabCH*Fe, m=20: DF*Fe, m=21: hsa*Fe, m=22: rgbe*Fe, m=23: LabCH*Fe, m=24: DF*Fe, m=25: hsa*Fe, m=26: rgbe*Fe, m=27: LabCH*Fe, m=28: DF*Fe, m=29: hsa*Fe, m=30: rgbe*Fe, m=31: LabCH*Fe, m=32: DF*Fe, m=33: hsa*Fe, m=34: rgbe*Fe, m=35: LabCH*Fe, m=36: DF*Fe, m=37: hsa*Fe, m=38: rgbe*Fe, m=39: LabCH*Fe, m=40: DF*Fe, m=41: hsa*Fe, m=42: rgbe*Fe, m=43: LabCH*Fe, m=44: DF*Fe, m=45: hsa*Fe, m=46: rgbe*Fe, m=47: LabCH*Fe, m=48: DF*Fe, m=49: hsa*Fe, m=50: rgbe*Fe, m=51: LabCH*Fe, m=52: DF*Fe, m=53: hsa*Fe, m=54: rgbe*Fe, m=55: LabCH*Fe, m=56: DF*Fe, m=57: hsa*Fe, m=58: rgbe*Fe, m=59: LabCH*Fe, m=60: DF*Fe, m=61: hsa*Fe, m=62: rgbe*Fe, m=63: LabCH*Fe, m=64: DF*Fe, m=65: hsa*Fe, m=66: rgbe*Fe, m=67: LabCH*Fe, m=68: DF*Fe, m=69: hsa*Fe, m=70: rgbe*Fe, m=71: LabCH*Fe, m=72: DF*Fe, m=73: hsa*Fe, m=74: rgbe*Fe, m=75: LabCH*Fe, m=76: DF*Fe, m=77: hsa*Fe, m=78: rgbe*Fe, m=79: LabCH*Fe, m=80: DF*Fe. Each cell contains numerical data for the respective color and row.

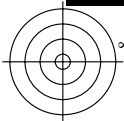
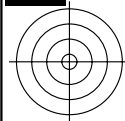
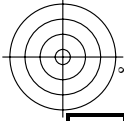
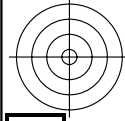
Mean color difference of this page: $\Delta E^*_{uv} = 39.7$

http://130.149.60.45/~farbmatrik/RE32/RE32LONP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 16/29

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

TUB-test chart RE32; hue code: H*e=B50Re
colors and differences, ΔE^*_{uv}

RE320-TN; Page 16/29-F



http://130.149.60.45/~farbmatrik/RE32/RE32LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 17/29

Table with 16 columns: n, HHC*Fe, rpb*Fe, iet*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, DF*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, LabCh*Fe. Rows 81-161.

delta E* = 36.3

RE320-TN, Page 17/29-F

TUB-test chart RE32; hue code: H*e=B50Re colors and differences, ΔE*

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

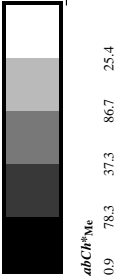
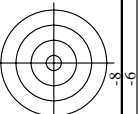
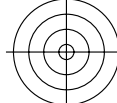


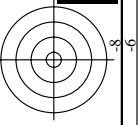
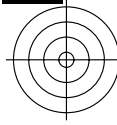
Table with columns: n, HHC*Fe, rpb*Fe, icr*Fe, Hs*Fe, rpb*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, rpb*Fe, DF*Fe, HaM*Fe, rpb*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, rpb*Fe. This table contains 242 rows of color calibration data for various tubes.

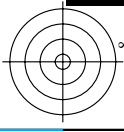
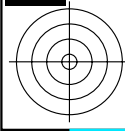
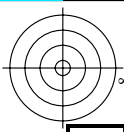
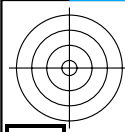
Mean color difference of this page: $\Delta E^* = 30.9$

input: rgb/cmlyk -> rgbe output: transfer to rgbe

TUB-test chart RE32; hue code: H*e=B50Re colors and differences, \Delta E*

http://130.149.60.45/~farbmetrik/RE32/RE32LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/29





http://130.149.60.45/~farbmatrik/RE32/RE32LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 21/29

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

Table with 20 columns: n, HHC*Fe, rpb*Fe, iet*Fe, Hs*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, rpb*Fe, DF*Fe, Hs*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe. Rows 405-485.

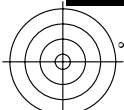
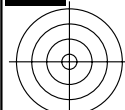
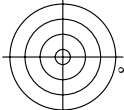
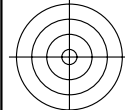
delta E* = 14.9

RE320-TN, Page 21/29-F

TUB-test chart RE32; hue code: H*e=B50Re colors and differences, ΔE*

L-0132030-F0

L-0132030-F0



http://130.149.60.45/~farbmetrik/RE32/RE32LONP.PDF /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 22/29

Table with 566 rows and 16 columns: n, H#C#Fe, r#p#Fe, i#c#Fe, r#b#Fe, i#s#Fe, r#g#Fe, LabCh#Fe, r#p#Fe, r#b#Fe, DF#Fe, r#s#Fe, LabCh#Fe, r#p#Fe, r#b#Fe. Each row contains numerical data for color calibration.

input: rgb/cmyk -> rgbe output: transfer to rgbe delta E* = 12.8

http://130.149.60.45/~farbmetrik/RE32/RE32LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 23/29

Table with 18 columns: n, HHC*Fe, rpb*Fe, iet*Fe, Hs*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, DF*Fe, Hs*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe. Rows 567-647.

delta E* = 12.3

Mean color difference of this page:

TUB-test chart RE32; hue code: H*e=B50Re colors and differences, ΔE*

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

RE320-TN, Page 23/29-F

I-0132230-F0

Table with 728 rows and 10 columns: n, HHC*Fe, rpb*Fe, icr*Fe, hsa*Fe, rpb*Fe, LabC*Fe, LabC*Fe, rpb*Fe, LabC*Fe. Each row contains numerical data for various colorimetric and colorimetric differences.

http://130.149.60.45/~farbmetrik/RE32/RE32LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/29

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

TUB-test chart RE32; hue code: H*e=B50Re colors and differences, ΔE*

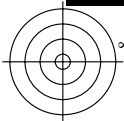
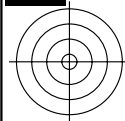
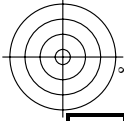
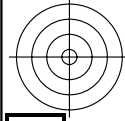
Mean color difference of this page: delta E** = 12.8

http://130.149.60.45/~farbmetrik/RE32/RE32LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 25/29

Table with 100 columns (n, HHC*Fe, rpb*Fe, iet*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, DF*Fe, hsa*Fe, rpb*Fe, LabCh*Fe) and 100 rows of data. Includes a 'Mean color difference of this page:' section at the bottom right.

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

TUB-test chart RE32; hue code: H*e=B50Re colors and differences, ΔE*



http://130.149.60.45/~farbmetrik/RE32/RE32LONP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 27/29

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

TUB-test chart RE32; hue code: H*e=B50Re colors and differences, ΔE*

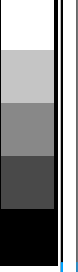
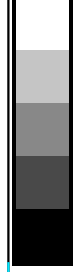
RE320-TN; Page 27/29-F

Table with 16 columns: n, HhC*Fe, rpb*Fe, iet*Fe, hsa*Fe, rpb*Fe, LabC*Fe, LabCh*Fe, rpb*Fe, hsa*Fe, DF*Fe, LabCh*Fe, rpb*Fe, hsa*Fe, LabCh*Fe, rpb*Fe. It contains color calibration data for various patches.

Mean color difference of this page: delta E* = 22.0

TUB registration: 20130201-RE32/RE32L0NP.PDF /.PS
 application for measurement of display output, no separation

TUB material: code=rha4ta



n	HC*Fe	rgb_Fe	LabCH*Fe	rgb_Fe	LabCH*Fe	rgb_Fe	LabCH*Fe	rgb_Fe	LabCH*Fe	DF*Fe	Has_Me	rgb_Me	LabCH*Me	rgb_Me	LabCH*Me	DF*Me	Has_Me	rgb_Me	LabCH*Me
1053	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866
1054	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933
1055	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1056	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1057	NW_006e	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066
1058	NW_013e	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133
1059	NW_020e	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1060	NW_026e	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266
1061	NW_033e	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333
1062	NW_040e	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
1063	NW_046e	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466
1064	NW_053e	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533
1065	NW_060e	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
1066	NW_066e	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666
1067	NW_073e	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734
1068	NW_080e	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
1069	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866
1070	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933
1071	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1072	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1073	NW_006e	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066
1074	ROX_100_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1075	GS0B_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1076	Y06G_100_100e	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1077	B00G_100_100e	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1078	B00R_100_100e	0.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1079	B50R_100_100e	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Mean color difference of this page: $\Delta E^* = 9.3$

see similar files: <http://130.149.60.45/~farbmetrik/RE32/RE32.HTM>
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

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

TUB-test chart RE32; hue code: H*_e=B50R_e
 colors and differences, ΔE^*