TUB registration: 20130201-TE08/TE08L0N1.TXT /.PS
application for measurement of display output

TUB material: code=ha4a

See similar files: http://130.149.60.45/~farbmetrik/TE08/TE08.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

48 step circle with interpretation *rgb* −> *rgb**$_s$ **device hue steps of 1080 standard colours**

rgb −> *rgb**$_s$	*h*$_{s\,h\,a\,b}$	*L**	*a**$_s$	*b**$_s$	*rgb* −> *rgb**$_d$	*h*$_{d\,h\,a\,b}$	*L**	*a**$_d$	*b**$_d$	*rgb* −> *rgb**$_d$	*h*$_{d\,h\,a\,b}$	*L**	*a**$_d$	*b**$_d$	*rgb* −> *rgb**$_d$	*h*$_{d\,h\,a\,b}$	*L**	*a**$_d$	*b**$_d$
0	404	561	483	589	149.384	−11870	8	485	595	548	548.212	875	−64	−4116	544	544	579	479.303	533	74
1	434	562	486	610	155.083	−12357	9	490	490	565	459.217	772	−60	−4617	549	549	582	480.307	229	89
2	450	563	496	496	163.882	−11834	10	495	495	566	462.223	969	−54	−5128	554	554	584	481.326	253	112
3	460	565	505	505	164.582	−11033	11	500	500	567	464.225	565	−46	−5819	560	560	587	483.331	361	107
4	464	567	506	506	174.081	−10911	12	510	510	569	469.251	558	−23	−7220	561	404	589	483.334	165	102
5	470	569	520	520	193.281	−81	−1913	519	519	570	471.274	449	6	−8621	562	434	610	486.336	567	99
6	475	573	528	528	205.780	−67	−3214	529	529	573	475.284	345	29	−9322	563	450	496	490.346	987	94
7	480	580	537	537	205.681	−66	−3215	539	539	577	478.298	737	58	−10023	565	460	505	505.342	369	92

rgb −> *rgb**$_d$	*h*$_{d\,h\,a\,b}$	*L**	*a**$_d$	*b**$_d$	*rgb* −> *rgb**$_d$	*h*$_{d\,h\,a\,b}$	*L**	*a**$_d$	*b**$_d$	*rgb* −> *rgb**$_d$	*h*$_{d\,h\,a\,b}$	*L**	*a**$_d$	*b**$_d$
−7526	573	475	528	528	610.760	50	33	5319	519	570	471.274	449	6	−8621
−8262	574	450	496	496	613.761	48	34	6020	509	566	469.251	558	−23	−7220
−9298	595	485	548	548	619.767	46	37	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	620.768	45	38	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	621.769	44	39	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	622.770	43	40	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	623.771	42	41	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	624.772	41	42	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	625.773	40	43	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	626.774	39	44	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	627.775	38	45	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	628.776	37	46	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	629.777	36	47	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	630.778	35	48	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	631.779	34	49	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	632.780	33	50	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	633.781	32	51	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	634.782	31	52	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	635.783	30	53	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	636.784	29	54	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	637.785	28	55	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	638.786	27	56	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	639.787	26	57	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	640.788	25	58	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	641.789	24	59	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	642.790	23	60	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	643.791	22	61	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	644.792	21	62	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	645.793	20	63	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	646.794	19	64	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	647.795	18	65	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	648.796	17	66	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	649.797	16	67	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	650.798	15	68	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	651.799	14	69	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	652.800	13	70	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	653.801	12	71	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	654.802	11	72	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	655.803	10	73	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	656.804	9	74	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	657.805	8	75	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	658.806	7	76	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	659.807	6	77	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	660.808	5	78	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	661.809	4	79	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	662.810	3	80	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	663.811	2	81	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	664.812	1	82	6604	499	563	464.225	565	−46	−5819
−9298	595	485	548	548	665.813	0	83	6604	499	563	464.225	565	−46	−5819

RYGB*$_{min}$**: 25.4, 92.3, 162.2, 271.7 ***RYGB*$_{all}$**: 25.4, 42.1, 58.8, 75.6, 92.3, 109.7, 127.2, 144.7, 162.2, 189.6, 216.9, 244.3, 271.7, 300.1, 328.6, 357.0 ***LAB*Nio: 0.0, 0.0, 0.0 ***LAB*Wio***: 100.0, 0.0, 0.0

25.4		42.1		58.8		75.6		92.3		109.7		127.2		144.7		162.2		189.6	
24.0		25.1		25.0		29.0		33.0		37.0		37.0		39.0		1.0		4.0	
342.3	351.6	351.6	26.2	51.6	26.2	69.7	73.2	85.7	91.0	99.3	101.0	99.3	101.0	128.8	141.8	149.3	155.0	163.8	164.5
26.2	61.0	61.0	62.8		76.5	79.7		93.3	97.5	128.8	141.8	128.8	141.8	149.3	155.0	163.8	164.5	193.2	205.7
0.977		0.457		0.938		0.714		0.551		0.315		0.943		0.386		0.82		0.811	
69.2	69.8	69.8	70.3		76.9	79.2		88.9	92.5	96.9	97.5	96.9	97.5	91.1	86.9	84.6	83.3	82.0	81.5
70.3	70.7	70.7	70.7		81.9	84.4		94.0	96.1	91.1	86.9	91.1	86.9	84.6	83.3	82.7	82.0	81.1	80.8
92.8	85.8	85.8	70.5		47.9	40.5		10.7	−2.5	−20.6	−23.1	−20.6	−23.1	−80.5	−107.2	−118.7	−123.4	−118.7	−120.7
70.5	61.8	60.0	61.6		61.6	33.0		25.5	−2.4	−17.3	−80.5	−107.2	−80.5	−107.2	−118.7	−123.4	−118.7	−120.7	−81.8
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

10-step element of hue circle with intended luminary hue $h_{d\,h\,a\,b}$ **= 25.4, 92.3, 162.2, 271.7**

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	
00	154.3	84.6	118.7	76.3															
01	155.0	83.3	−123.4	57.5	1	155.0	149.3	155.0	163.8	164.5	357.0								
02	156.3	82.7	−118.7	34.5	2	163.8	155.0	163.8	164.5	174.0	357.0								
03	164.5	82.0	−120.7	33.2	3	164.5	163.8	164.5	174.0	193.2	357.0								
04	174.0	81.5	−109.0	11.4	4	174.0	164.5	174.0	193.2	205.7	357.0								
05	193.2	81.1	−81.8	−19.2	5	193.2	174.0	193.2	205.7	205.6	357.0								
06	205.7	80.8	−67.5	−32.5	6	205.7	193.2	205.7	205.6	212.8	357.0								
07	205.6	81.2	−66.9	−32.2	7	205.6	205.7	205.6	212.8	217.7	357.0								
08	212.8	75.8	−64.5	−41.6	8	212.8	205.6	212.8	217.7	223.9	357.0								
09	217.7	72.7	−60.5	−46.9	9	217.7	212.8	217.7	223.9	231.5	357.0								
10	223.9	69.3	−54.6	−52.6	10	223.9	217.7	223.9	231.5	251.5	357.0								
11	231.5	65.8	−46.7	−58.7	11	231.5	223.9	231.5	251.5	274.4	357.0								
12	251.5	58.0	−23.9	−72.0	12	251.5	231.5	251.5	274.4	284.3	357.0								
13	274.4	49.5	6.7	−86.3	13	274.4	251.5	274.4	284.3	298.7	357.0								
14	284.3	45.2	23.9	−93.3	14	284.3	274.4	284.3	298.7	303.5	357.0								
15	298.7	37.0	58.4	−106.4	15	298.7	284.3	298.7	303.5	307.2	357.0								
16	303.5	33.3	74.4	−112.0	16	303.5	298.7	303.5	307.2	326.2	357.0								
17	307.2	29.9	89.0	−117.0	17	307.2	303.5	307.2	326.2	331.3	357.0								
18	326.2	53.2	112.9	−75.4	18	326.2	307.2	326.2	331.3	334.1	357.0								
19	331.3	61.6	107.9	−59.0	19	331.3	326.2	331.3	334.1	336.5	357.0								
20	334.1	65.5	102.8	−49.8	20	334.1	331.3	334.1	336.5	341.7	357.0								
21	336.5	67.4	99.2	−42.9	21	336.5	334.1	336.5	341.7	342.3	357.0								
22	341.7	68.2	94.8	−31.2	22	341.7	336.5	341.7	342.3	351.6	357.0								
23	342.3	69.2	92.8	−29.5	23	342.3	341.7	342.3	351.6	26.2	357.0								
24	351.6	69.8	85.8	−12.6	24	351.6	342.3	351.6	26.2	61.0	357.0								
25	26.2	70.3	70.5	34.8	25	26.2	351.6	26.2	61.0	62.8	357.0								
26	61.0	70.7	60.8	110.0	26	61.0	26.2	61.0	62.8	69.7	357.0								
27	62.8	70.1	61.6	120.1	27	62.8	61.0	62.8	69.7	73.2	357.0								
28	69.7	76.3	47.9	130.1	28	69.7	62.8	69.7	73.2	76.5	357.0								
29	73.2	79.2	40.5	134.5	29	73.2	69.7	73.2	76.5	79.7	357.0								
30	76.5	81.9	33.0	138.3	30	76.5	73.2	76.5	79.7	85.7	357.0								
31	79.7	84.4	25.5	141.4	31	79.7	76.5	79.7	85.7	91.0	357.0								
32	85.7	88.9	10.7	144.3	32	85.7	79.7	85.7	91.0	93.3	357.0								
33	91.0	92.5	−2.5	142.9	33	91.0	85.7	91.0	93.3	97.5	357.0								
34	93.3	94.0	−8.2	140.1	34	93.3	91.0	93.3	97.5	99.3	357.0								
35	97.5	96.1	−17.3	131.1	35	97.5	93.3	97.5	99.3	101.0	357.0								
36	99.3	96.9	−20.6	125.4	36	99.3	97.5	99.3	101.0	128.8	357.0								
37	101.0	97.5	−23.1	119.0	37	101.0	99.3	101.0	128.8	141.8	357.0								
38	128.8	101.1	86.9	75.8	38	128.8	101.0	128.8	141.8	149.3	357.0								
39	141.8	86.9	−107.2	84.2	39	141.8	128.8	141.8	149.3	155.0	357.0								
40	149.3	84.6	−118.7	70.3															
41	155.0	83.3	−123.4	57.5															
42	163.8	82.7	−118.7	34.5															
43	164.5	82.0	−120.7	33.2															
44	174.0	81.5	−109.0	11.4															
45	193.2	81.1	−81.8	−19.2															
46	205.7	80.8	−67.5	−32.5															
47	141.8	86.9	−107.2	84.2															

Achromatic grey scale with intensity L^* **= 100, 95, 85, 75, 65, 55, 45, 35, 25, 15, 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	
4.1	4.4	4.8	0.312	0.329				25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.25 0.25 0.25**	
17.5	18.4	20.0	0.312	0.329				50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.50 0.50 0.50**	
45.8	48.2	52.5	0.312	0.329				75.0	0.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.75 0.75 0.75**	
95.0	100.0	108.8	0.312	0.329				100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**1.00 1.00 1.00**	

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TUB-test chart TE08; ***Ostwald*** **colours, test calculation**
YABCh, LabCh* **data of elementary hue circle and greys**

input: *w/rgb/cmyk* −> *w/rgb/cmyk*
output: no change