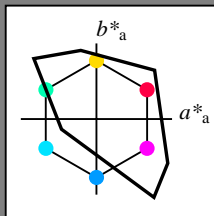


Input: Colorimetric Television Luminous System TLS00a

with *rgb* data of the four elementary hues

- 1 0 0 = Red *R*
- 1 1 0 = Yellow *J*
- 0 1 0 = Green *G*
- 0 0 1 = Blue *B*

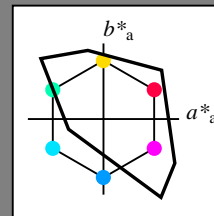


TLS00a; adapted (a) CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CIE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272

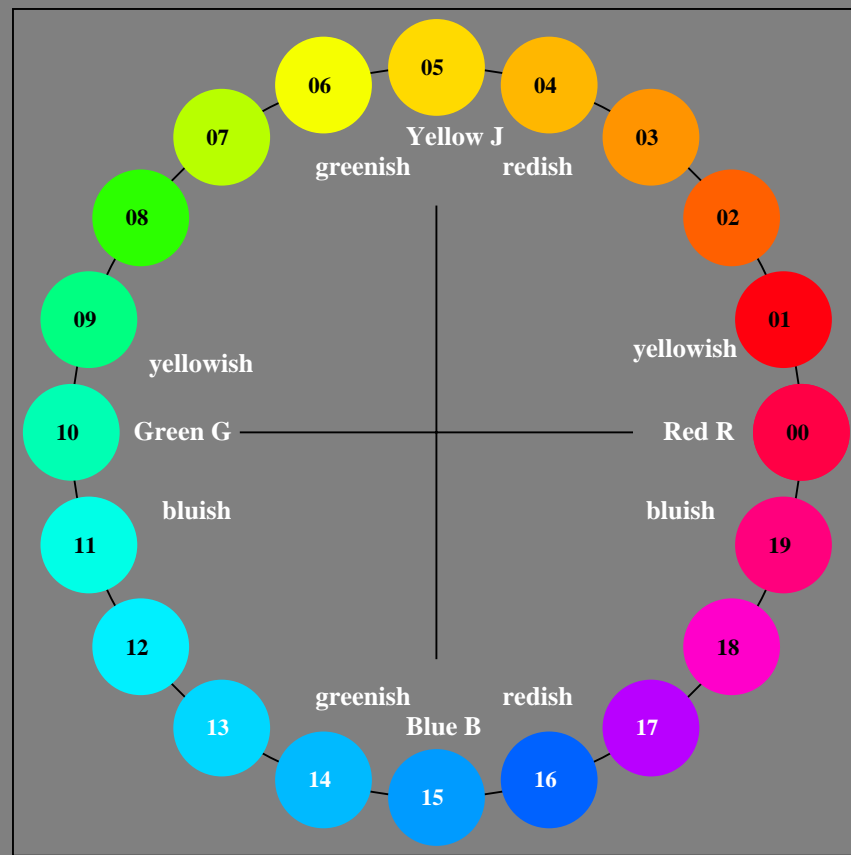
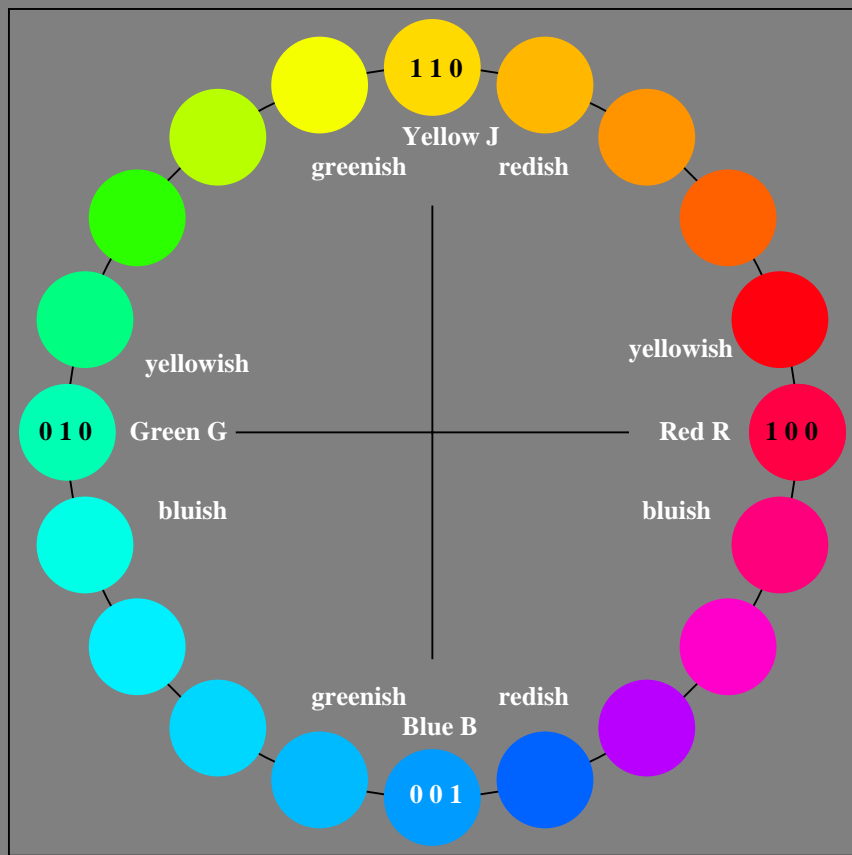
Output: Colorimetric Television Luminous System TLS00a

with hue number

- $n = 00$  to 19
- 00 = Red *R*
- 05 = Yellow *J*
- 10 = Green *G*
- 15 = Blue *B*



TLS00a; adapted (a) CIELAB data					
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
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R <sub>CIE</sub>	39.92	58.74	27.99	65.07	25
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G <sub>CIE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CIE</sub>	30.57	1.41	-46.46	46.49	272



OE870-7N-130-0: 20 step hue circle with elementary colours *R, J, G, B* (left)

20 step hue circle with elementary colours *R, J, G, B* (right)

OE87: Test chart 2 according to DIN 33872-5; 1MR, DEH  
 Elementary hue agreement and discrimination

input: *cmy0* (-> *cmy0\*<sub>de</sub>*) *setcmyk*  
 output 130-0:  $g_P=1.0$ ;  $g_N=1.0$

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>  
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE87/OE87L0NA.TXT /.PS  
 application for output of displays: monitor systems or data projector systems  
 TUB material: code=rhadata