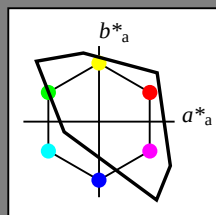


Input: Colorimetric Television Luminous System TLS00a

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*



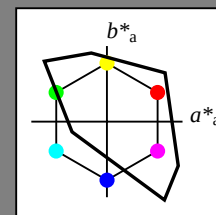
TLS00a; adapted (a) CIELAB data					
	$L^*=L^*_{a}$	a^*_{a}	b^*_{a}	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41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

Output: Colorimetric Television Luminous System TLS00a

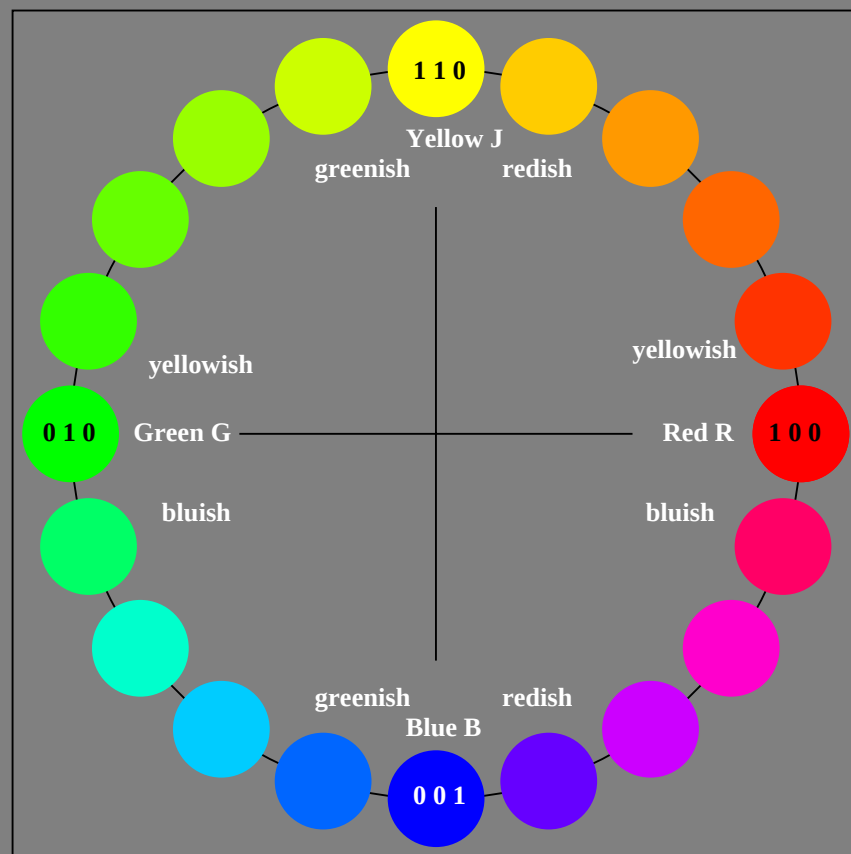
with hue number

n= 00 to 19

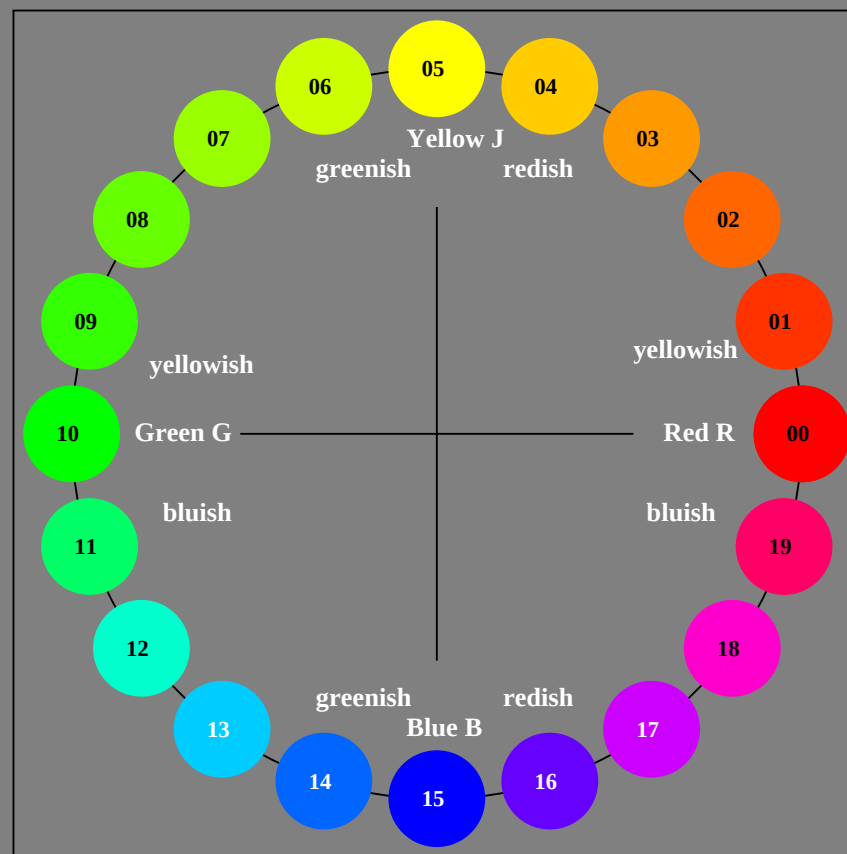
00 = Red *R*
05 = Yellow *J*
10 = Green *G*
15 = Blue *B*



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



OE860-7N-030-0: 20 step hue circle with elementary colours *R*, *J*, *G*, *B* (left)



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

OE86: Test chart 5 according to DIN 33872-5; DH
Elementary hue agreement and discrimination

input: *rgb* (->*rgb**) *setrgbcolor*
output 030-0: no change