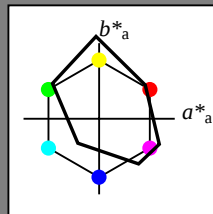


Input: Colorimetric Offset Reflective System ORS18a
with *lab*rgb** data of the
four elementary hues

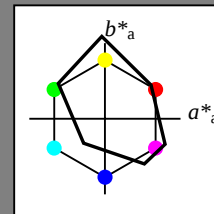
1 0 0 = Red *R* = *j00r*
1 1 0 = Yellow *J* = *j00g*
0 1 0 = Green *G* = *g00b*
0 0 1 = Blue *B* = *b00r*



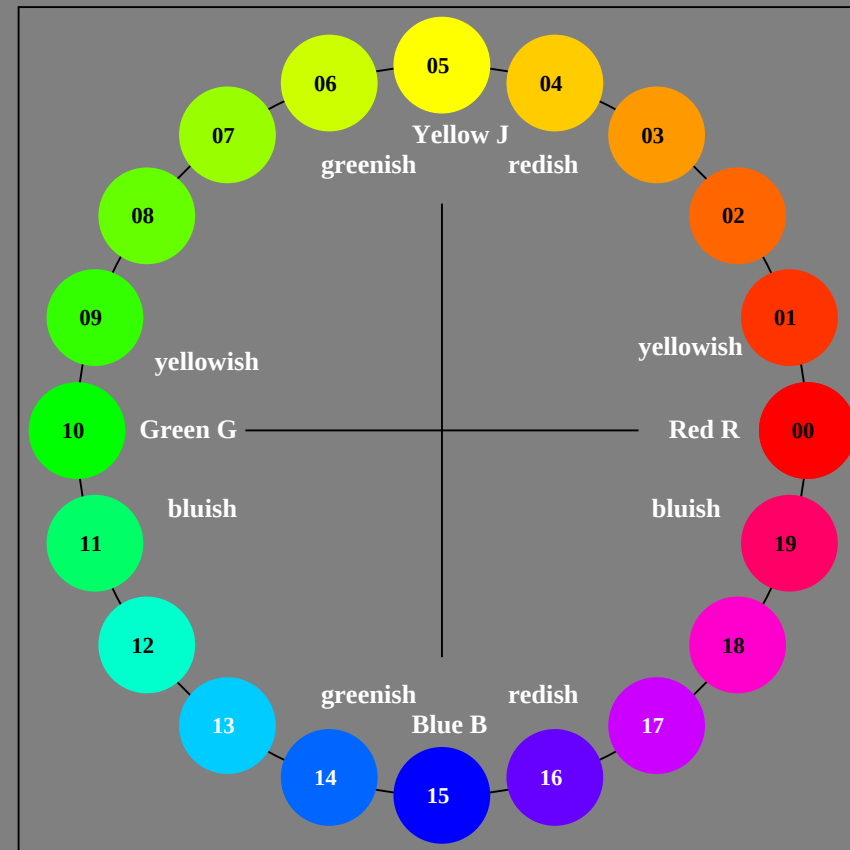
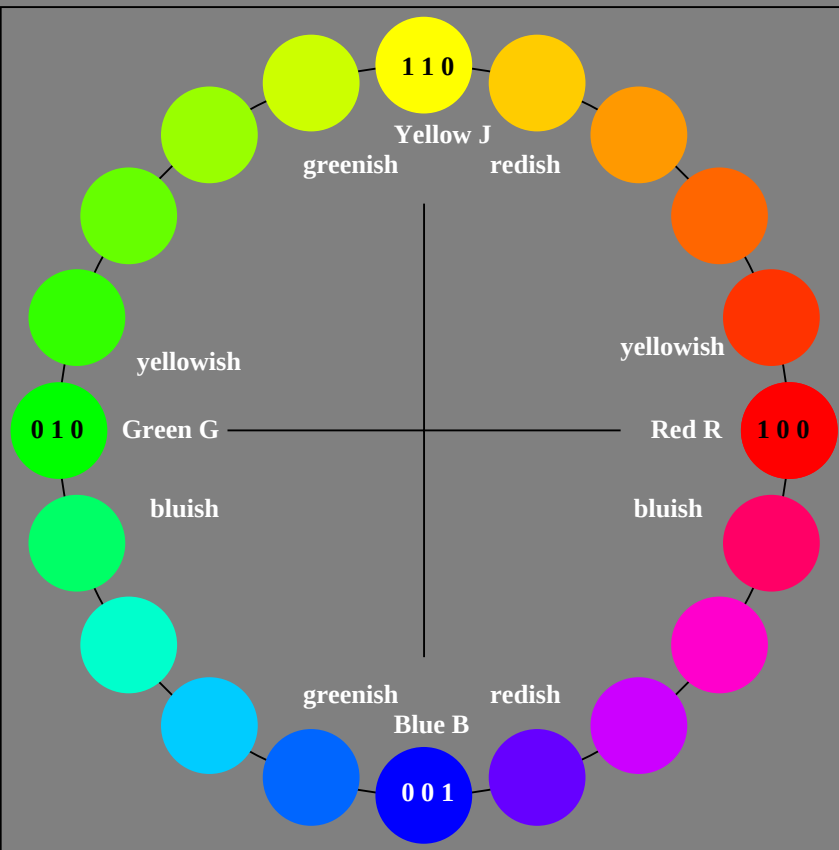
ORS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.32	60.99	44.6	75.56	36
Y _{Ma}	83.65	-4.11	108.86	108.94	92
L _{Ma}	43.49	-61.66	46.73	77.37	143
C _{Ma}	52.18	-28.14	-32.36	42.9	229
V _{Ma}	13.71	52.15	-59.7	79.28	311
M _{Ma}	37.69	79.56	-33.73	86.42	337
N _{Ma}	8.99	0.0	0.0	0.0	0
W _{Ma}	92.16	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 Offset Reflective System ORS18a
with hue number and hue text

n = 00 to 19
00 = Red *R* = *r00j*
05 = Yellow *J* = *j00g*
10 = Green *G* = *g00b*
15 = Blue *B* = *b00r*



ORS18a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.32	60.99	44.6	75.56	36
Y _{Ma}	83.65	-4.11	108.86	108.94	92
L _{Ma}	43.49	-61.66	46.73	77.37	143
C _{Ma}	52.18	-28.14	-32.36	42.9	229
V _{Ma}	13.71	52.15	-59.7	79.28	311
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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



De650-7N, 20 step hue circle with elementary colours R, J, G, B (left)

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