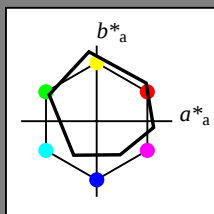


Input: Colorimetric Offset Reflective System ORS18a

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*



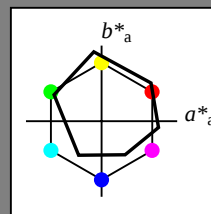
ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

Output: Colorimetric Offset Reflective System ORS18a

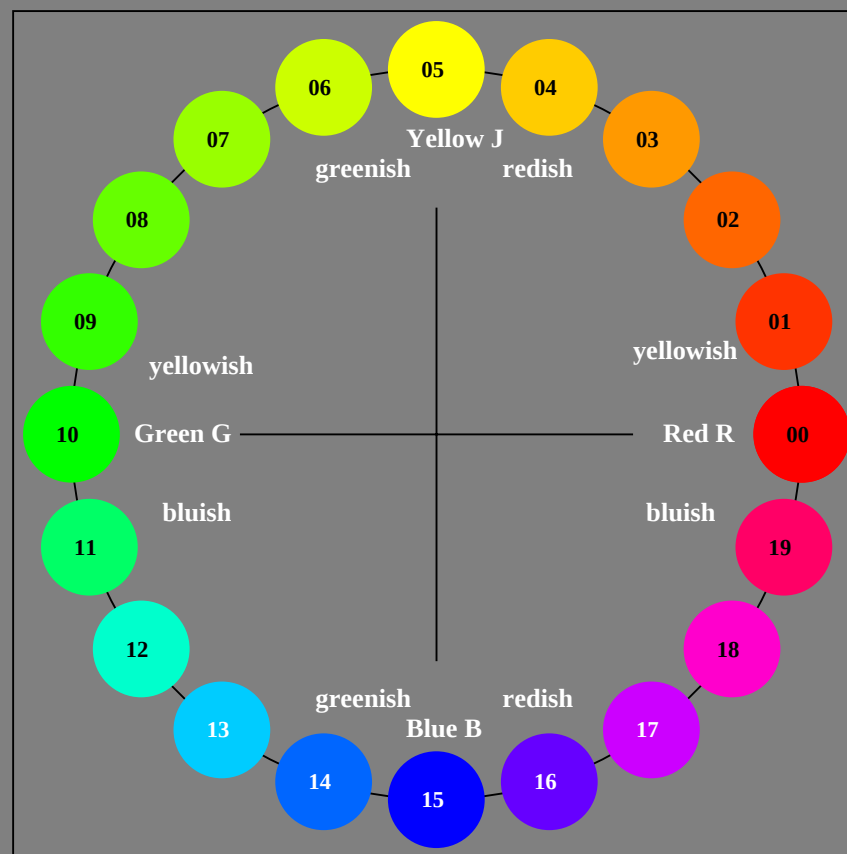
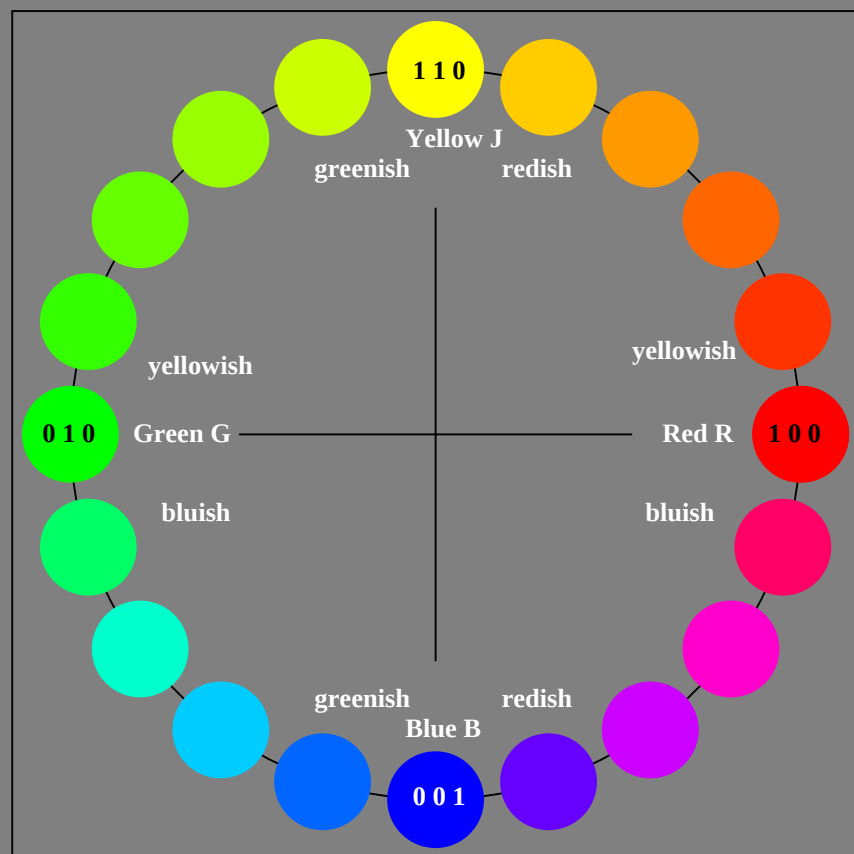
with hue number

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



ORS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
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B _{CIE}	30.57	1.15	-46.84	46.86	271



De150-7N, 20 step hue circle with elementary colours *R*, *J*, *G*, *B* (left)

Test chart 1 according to DIN 33872-5, Page 1/2
Elementary hue agreement and discrimination, ORS18a

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

input: *rgb* ($\rightarrow$ *olv**) *setrgbcolor*
output: no change compared to input