

Input: Colorimetric Offset Reflective System ORS18a

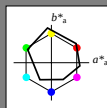
with *rgb* data of the
four elementary hues

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^*	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{M0}	47.94	65.39	50.52	82.63	38
Y_{M0}	90.37	-10.26	91.75	92.32	96
L_{M0}	50.9	-62.83	34.96	71.91	151
C_{M0}	58.62	-30.34	-45.01	54.3	236
V_{M0}	25.72	31.1	-44.4	54.22	305
M_{M0}	48.13	75.28	-8.36	75.74	354
N_{M0}	18.01	0.0	0.0	0.0	0
W_{M0}	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

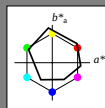
$n = 00$ to 19

00 = Red R

05 = Yellow J

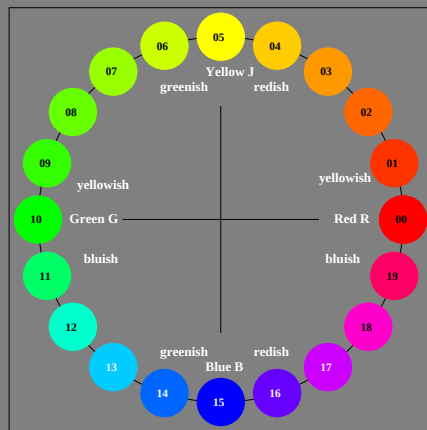
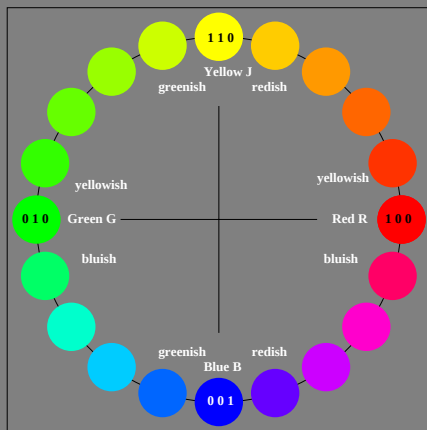
10 = Green G

15 = Blue B



ORS18a; adapted (a) CIELAB data

	L^*	a^*	b^*	C^*_{ab}	h^*_{ab}
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De15-7N, 20 step hue circle with elementary colours R, J, G, B (left)

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

Test chart 1 according to DIN 33872-5, Page 1/2

Elementary hue agreement and discrimination, ORS18a

input: *rgb* ($\rightarrow$ *olv**) *setrgbcolor*

output: no change compared to input