

$XYZ_w = 95.04, 100.0, 108.89$

$A_1 = 2.5 (a_1 - a_{1,n}) Y$

$B_1 = 2.5 B_c (b_1 - b_{1,n}) Y$

$a_1 = a_{20} [(x - x_c) / y]$

$b_1 = b_{20} [z / y]$

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 1.000$

$C_{AB1} = [A_1^2 + B_1^2]^{1/2}$

6 Ostwald colours (o)

of maximum (m) C_{AB} in
chromatic value diagram (A, B)¹⁰⁰

Illumin. D65, $Y_w = 100, Y_N = 10$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d
R_d	567_775	63.21	44.18	11.04	0.5337	0.373	596
Y_d	493_775	78.93	94.84	17.06	0.4135	0.4969	570
G_d	493_567	25.32	60.76	17.02	0.2455	0.5892	535
C_d	380_567	41.44	65.92	108.85	0.1916	0.3048	489
B_d	380_493	25.71	15.26	102.83	0.1788	0.1061	463
M_d	567_493	79.33	49.34	102.87	0.3426	0.2131	535
W_d	380_775	95.04	100.0	108.89	0.3127	0.329	100%
N_d	380_775	9.5	10.0	10.88	0.3127	0.329	10%
Z_d	380_775	17.1	18.0	19.6	0.3127	0.329	18%

Parameter:

Y & Name

Illuminant D65

$Y_w = 100, Y_N = 10$

