

$XYZ_w = 96.42, 100.0, 82.49$

$A = 2.5 (a - a_n) Y$

$B = 2.5 B_c (b - b_n) Y$

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

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

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

$x_c = 0.000, B_c = 1.000$

$C_{AB} = [A^2 + B^2]^{1/2}$

6 Ostwald colours (o)

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

Illumin. D50, $Y_w = 100, Y_N = 4$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	570_775	66.18	42.45	3.42	0.5905	0.3788	598	491
Y_d	496_775	83.65	94.28	7.47	0.4511	0.5085	573	468
G_d	496_570	21.41	55.92	7.42	0.2526	0.6597	538	538c
C_d	380_570	34.19	61.64	82.45	0.1917	0.3457	491	598
B_d	380_496	16.72	9.82	78.41	0.1593	0.0935	468	573
M_d	570_496	78.96	48.17	78.45	0.384	0.2343	538c	538
W_d	380_775	96.42	100.0	82.49	0.3457	0.3585	100%	
N_d	380_775	3.85	4.0	3.29	0.3456	0.3585	4%	
Z_d	380_775	17.35	18.0	14.84	0.3457	0.3585	18%	

Parameter:

Y & Name

Illuminant D50

$Y_w = 100, Y_N = 4$

