

$XYZ_w = 96.42, 100.0, 82.49$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

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

Illumin. D50, $Y_w = 100, Y_N = 25$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	570_775	72.82	55.06	20.74	0.4899	0.3704	598	491
Y_d	496_775	86.46	95.55	23.9	0.4199	0.464	573	468
G_d	496_570	37.84	65.58	23.86	0.2973	0.5152	538	538c
C_d	380_570	47.82	70.06	82.48	0.2386	0.3496	491	598
B_d	380_496	34.18	29.57	79.32	0.2389	0.2066	468	573
M_d	570_496	82.8	59.53	79.35	0.3734	0.2685	538c	538
W_d	380_775	96.42	100.0	82.49	0.3457	0.3585	100%	
N_d	380_775	24.1	25.0	20.62	0.3457	0.3585	25%	
Z_d	380_775	17.35	18.0	14.84	0.3457	0.3585	18%	

Parameter:

Y & Name

Illuminant D50

$Y_w = 100, Y_N = 25$

