

$XYZ_w = 96.42, 100.0, 82.49$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

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

Illumin. D50, $Y_w = 100, Y_N = 0$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c^d
R _d	570_775	64.95	40.11	0.21	0.6169	0.381	598	491
Y _d	496_775	83.13	94.04	4.41	0.4577	0.5178	573	468
G _d	496_570	18.36	54.13	4.37	0.2389	0.7041	538	538c
C _d	380_570	31.66	60.08	82.44	0.1817	0.3449	491	598
B _d	380_496	13.48	6.15	78.24	0.1377	0.0628	468	573
M _d	570_496	78.24	46.06	78.29	0.3862	0.2273	538c	538
W _d	380_775	96.42	100.0	82.49	0.3457	0.3585	100%	
N _d	380_775	0.09	0.1	0.08	0.3455	0.3583	0%	
Z _d	380_775	17.35	18.0	14.84	0.3457	0.3585	18%	

Parameter:

Y & Name

Illuminant D50

$Y_w = 100, Y_N = 0$

