

$XYZ_w = 98.12, 100.0, 86.5$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

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

Illumin. P50, $Y_w = 100, Y_N = 0$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	570_775	62.23	36.23	0.21	0.6306	0.3671	601	491
Y_d	495_775	83.94	93.94	4.2	0.4609	0.5159	573	467
G_d	495_570	21.9	57.9	4.16	0.2608	0.6895	542	542c
C_d	380_570	36.08	63.96	86.46	0.1934	0.3429	491	601
B_d	380_495	14.37	6.25	82.46	0.1394	0.0607	467	573
M_d	570_495	76.41	42.29	82.5	0.3797	0.2101	542c	542
W_d	380_775	98.12	100.0	86.5	0.3447	0.3513	100%	
N_d	380_775	0.09	0.1	0.08	0.3446	0.3512	0%	
Z_d	380_775	17.66	18.0	15.57	0.3447	0.3513	18%	

Parameter:

Y & Name

Illuminant P50

$Y_w = 100, Y_N = 0$

