

$XYZ_w = 98.12, 100.0, 86.5$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

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

Illumin. P50, $Y_w = 100, Y_N = 10$

Name	Range	X_d	Y_d	Z_d	x_c	y_c	λ_d	λ_c
R _d	570_775	65.8	42.56	8.77	0.5617	0.3633	601	491
Y _d	495_775	85.35	94.55	12.37	0.4439	0.4917	573	467
G _d	495_570	29.46	62.08	12.33	0.2836	0.5976	542	542c
C _d	380_570	42.24	67.54	86.47	0.2152	0.3441	491	601
B _d	380_495	22.68	15.55	82.87	0.1872	0.1284	467	573
M _d	570_495	78.57	48.02	82.91	0.375	0.2292	542c	542
W _d	380_775	98.12	100.0	86.5	0.3447	0.3513	100%	
N _d	380_775	9.81	10.0	8.65	0.3447	0.3513	10%	
Z _d	380_775	17.66	18.0	15.57	0.3447	0.3513	18%	

Parameter:

Y & Name

Illuminant P50

$Y_w = 100, Y_N = 10$

