

$XYZ_w = 98.12, 100.0, 86.5$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

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

Illumin. P50, $Y_w = 100, Y_N = 25$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R _d	570_775	71.2	52.15	21.74	0.4907	0.3594	601	491
Y _d	495_775	87.5	95.47	24.74	0.4212	0.4596	573	467
G _d	495_570	40.92	68.42	24.71	0.3052	0.5103	542	542c
C _d	380_570	51.57	72.97	86.49	0.2443	0.3457	491	601
B _d	380_495	35.27	29.64	83.49	0.2376	0.1997	467	573
M _d	570_495	81.85	56.7	83.52	0.3685	0.2553	542c	542
W _d	380_775	98.12	100.0	86.5	0.3447	0.3513	100%	
N _d	380_775	24.53	25.0	21.62	0.3447	0.3513	25%	
Z _d	380_775	17.66	18.0	15.57	0.3447	0.3513	18%	

Parameter:

Y & Name

Illuminant P50

$Y_w = 100, Y_N = 25$

