

$XYZ_w = 98.12, 100.0, 86.5$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

of maximum (m) C_{AB} in
chromatic value diagram (A_1, B_1)

Illumin. P50, $Y_w = 100, Y_N = 50$

Name	Range	X_d	Y_d	Z_d	x_c	y_d	λ_d	λ_c
R_d	570_775	80.21	68.13	43.35	0.4184	0.3554	601	491
Y_d	495_775	91.07	97.01	45.35	0.3901	0.4155	573	467
G_d	495_570	60.02	78.98	45.33	0.3256	0.4284	542	542c
C_d	380_570	67.12	82.01	86.52	0.2848	0.348	491	601
B_d	380_495	56.25	53.13	84.52	0.2901	0.2739	467	573
M_d	570_495	87.3	71.16	84.54	0.3592	0.2928	542c	542
W_d	380_775	98.12	100.0	86.5	0.3447	0.3513	100%	
N_d	380_775	49.06	50.0	43.25	0.3447	0.3513	50%	
Z_d	380_775	17.66	18.0	15.57	0.3447	0.3513	18%	

