

$XYZ_w = 97.45, 100.0, 95.98$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

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

Illumin. P55, $Y_w = 100, Y_N = 50$

Name	Range	X_d	Y_d	Z_d	x_c	y_d	λ_d	λ_c
R_d	569_775	80.8	70.17	48.11	0.4058	0.3524	597	490
Y_d	494_775	89.6	97.41	51.05	0.3763	0.4091	572	464
G_d	494_569	57.61	77.34	51.02	0.3098	0.4158	536	536c
C_d	380_569	65.52	79.97	96.0	0.2713	0.3311	490	597
B_d	380_494	56.73	52.73	93.07	0.2801	0.2603	464	572
M_d	569_494	88.71	72.8	93.09	0.3484	0.2859	536c	536
W_d	380_775	97.45	100.0	95.98	0.3321	0.3407	100%	
N_d	380_775	48.72	50.0	47.99	0.3321	0.3407	50%	
Z_d	380_775	17.54	18.0	17.27	0.3321	0.3407	18%	

