

$XYZ_w = 97.45, 100.0, 95.98$

$A = 2.5 (a - a_n) Y$

$B = 2.5 B_c (b - b_n) Y$

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

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

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

$x_c = 0.000, B_c = 1.000$

$C_{AB} = [A^2 + B^2]^{1/2}$

6 Ostwald colours (o)

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

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

Name	Range	X_d	Y_d	Z_d	x_d	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%	

Parameter:

Y & Name

Illuminant P55

$Y_w = 100, Y_N = 50$

