

$XYZ_W = 99.2, 100.0, 76.07$

$A = 2.5 (a - a_n) Y$

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

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

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

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

$x_c = 0.000, B_c = 1.000$

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

6 Ostwald colours (o)

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

Illumin. P45, $Y_W = 100, Y_N = 10$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	572_775	69.54	45.1	7.72	0.5682	0.3685	600	492
Y_d	497_775	88.11	95.27	11.47	0.4521	0.4889	574	467
G_d	497_572	28.59	60.26	11.43	0.285	0.6009	541	541c
C_d	380_572	39.69	65.0	76.04	0.2196	0.3596	492	600
B_d	380_497	21.12	14.83	72.29	0.1951	0.137	467	574
M_d	572_497	80.64	49.84	72.33	0.3976	0.2457	541c	541
W_d	380_775	99.2	100.0	76.07	0.3603	0.3632	100%	
N_d	380_775	9.92	10.0	7.6	0.3603	0.3632	10%	
Z_d	380_775	17.85	18.0	13.69	0.3603	0.3632	18%	

Parameter:

Y & Name

Illuminant P45

$Y_W = 100, Y_N = 10$

