

$XYZ_w = 99.2, 100.0, 76.07$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

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

Illumin. P45, $Y_w = 100, Y_N = 4$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	572_775	67.55	41.43	3.16	0.6023	0.3694	600	492
Y_d	497_775	87.36	94.95	7.15	0.461	0.5011	574	467
G_d	497_572	23.87	57.61	7.11	0.2694	0.6501	541	541c
C_d	380_572	35.72	62.66	76.03	0.2047	0.3592	492	600
B_d	380_497	15.9	9.15	72.03	0.1638	0.0942	467	574
M_d	572_497	79.39	46.49	72.07	0.401	0.2348	541c	541
W_d	380_775	99.2	100.0	76.07	0.3603	0.3632	100%	
N_d	380_775	3.96	4.0	3.04	0.3603	0.3632	4%	
Z_d	380_775	17.85	18.0	13.69	0.3603	0.3632	18%	

Parameter:

Y & Name

Illuminant P45

$Y_w = 100, Y_N = 4$

