

$XYZ_w = 109.84, 99.99, 35.58$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

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

Illumin. A00, $Y_w = 100, Y_N = 50$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	579_775	94.93	71.58	17.84	0.5149	0.3882	605	499
Y_d	504_775	107.21	98.04	18.99	0.4781	0.4371	581	474
G_d	504_579	67.31	76.55	18.97	0.4133	0.4701	547	547c
C_d	380_579	70.0	78.56	35.57	0.3801	0.4266	499	605
B_d	380_504	57.72	52.1	34.43	0.4001	0.3612	474	581
M_d	579_504	97.62	73.59	34.45	0.4746	0.3578	547c	547
W_d	380_775	109.84	99.99	35.58	0.4475	0.4074	100%	
N_d	380_775	54.92	49.99	17.79	0.4475	0.4074	50%	
Z_d	380_775	19.77	17.99	6.4	0.4475	0.4074	18%	

