

$XYZ_w = 97.93, 100.0, 118.95$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

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

Illumin. Q00, $Y_w = 100, Y_N = 50$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	567_775	79.52	69.54	59.62	0.381	0.3332	596	487
Y_d	492_775	87.99	97.23	63.08	0.3543	0.3915	570	462
G_d	492_567	57.54	77.78	63.06	0.29	0.392	535	535c
C_d	380_567	67.52	80.6	118.98	0.2527	0.3017	487	596
B_d	380_492	59.04	52.91	115.52	0.2595	0.2326	462	570
M_d	567_492	89.5	72.36	115.54	0.3226	0.2608	535c	535
W_d	380_775	97.93	100.0	118.95	0.309	0.3155	100%	
N_d	380_775	48.96	50.0	59.47	0.309	0.3155	50%	
Z_d	380_775	17.62	18.0	21.41	0.309	0.3155	18%	

Parameter:

Y & Name

Illuminant Q00

$Y_w = 100, Y_N = 50$

