

$XYZ_w = 95.04, 100.0, 108.89$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

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

Illumin. D65, $Y_w = 100, Y_N = 4$

Name	Range	X_d	Y_d	Z_d	x_c	y_c	λ_c	$\lambda_{c,d}$
R_d	567_775	61.08	40.45	4.51	0.5759	0.3814	596	489
Y_d	493_775	77.85	94.49	10.94	0.4247	0.5155	570	463
G_d	493_567	20.66	58.14	10.89	0.2304	0.6481	535	535c
C_d	380_567	37.86	63.64	108.85	0.1799	0.3025	489	596
B_d	380_493	21.08	9.6	102.42	0.1584	0.0721	463	570
M_d	567_493	78.27	45.96	102.46	0.3452	0.2027	535c	535
W_d	380_775	95.04	100.0	108.89	0.3127	0.329	100%	
N_d	380_775	3.8	4.0	4.35	0.3127	0.329	4%	
Z_d	380_775	17.1	18.0	19.6	0.3127	0.329	18%	

Parameter:

Y & Name

Illuminant D65

$Y_w = 100, Y_N = 4$

