

$XYZ_w = 115.18, 100.0, 26.59$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

of maximum (m) C_{AB} in

chromatic value diagram (A, B)

Illumin. P25, $Y_w = 100, Y_N = 10$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R _d	582_775	86.18	48.13	2.71	0.6288	0.3512	608	502
Y _d	506_775	111.68	96.2	4.08	0.5268	0.4538	583	478
G _d	506_582	37.13	58.16	4.05	0.3737	0.5853	552	552c
C _d	380_582	40.64	61.97	26.56	0.3146	0.4797	502	608
B _d	380_506	15.13	13.9	25.19	0.2791	0.2563	478	583
M _d	582_506	89.69	51.94	25.22	0.5375	0.3113	552c	552
W _d	380_775	115.18	100.0	26.59	0.4764	0.4136		100%
N _d	380_775	11.51	10.0	2.65	0.4764	0.4136		10%
Z _d	380_775	20.73	18.0	4.78	0.4764	0.4136		18%

Parameter:

Y & Name

Illuminant P25

$Y_w = 100, Y_N = 10$

