

$XYZ_W = 115.18, 100.0, 26.59$

$$A = 2.5 (a - a_n) Y$$

$$B = 2.5 B_c (b - b_n) Y$$

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

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

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

$$x_c = 0.000, B_c = 1.000$$

$$C_{AB} = [A^2 + B^2]^{1/2}$$

6 Ostwald colours (o)

of maximum (m) C_{AB} in

chromatic value diagram (A, B)

Illumin. P25, $Y_W = 100, Y_N = 4$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	582_775	84.24	44.67	1.12	0.6478	0.3435	608	502
Y_d	506_775	111.44	95.94	2.58	0.5307	0.4569	583	478
G_d	506_582	31.92	55.36	2.55	0.3553	0.6162	552	552c
C_d	380_582	35.66	59.42	26.56	0.2931	0.4884	502	608
B_d	380_506	8.46	8.16	25.1	0.2028	0.1955	478	583
M_d	582_506	87.98	48.73	25.13	0.5435	0.3011	552c	552
W_d	380_775	115.18	100.0	26.59	0.4764	0.4136	100%	
N_d	380_775	4.6	4.0	1.06	0.4763	0.4135	4%	
Z_d	380_775	20.73	18.0	4.78	0.4764	0.4136	18%	

Parameter:

Y & Name

Illuminant P25

$Y_W = 100, Y_N = 4$

