

$XYZ_w = 97.93, 100.0, 118.95$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

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

Illumin. Q00, $Y_w = 100, Y_N = 4$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d
R _d	567_775	62.49	41.42	4.92	0.5741	0.3806	596
Y _d	492_775	78.77	94.59	11.57	0.4259	0.5114	570
G _d	492_567	20.28	57.26	11.53	0.2277	0.6428	535
C _d	380_567	39.45	62.67	118.91	0.1784	0.2835	487
B _d	380_492	23.18	9.51	112.25	0.1599	0.0656	462
M _d	567_492	81.66	46.84	112.3	0.3391	0.1945	535c
W _d	380_775	97.93	100.0	118.95	0.309	0.3155	100%
N _d	380_775	3.91	4.0	4.75	0.309	0.3155	4%
Z _d	380_775	17.62	18.0	21.41	0.309	0.3155	18%

Parameter:

Y & Name

Illuminant Q00

$Y_w = 100, Y_N = 4$

