

$XYZ_w = 100.0, 100.0, 100.0$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald colours (o)

of maximum (m) C_{AB} in
chromatic value diagram (A, B)¹⁰⁰

Illumin. E00, $Y_w = 100, Y_N = 10$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	$64C_d$
R _d	570_775	68.94	46.4	10.14	0.5494	0.3697	598	489
Y _d	494_775	85.05	95.34	15.49	0.4341	0.4867	573	463
G _d	494_570	26.2	59.04	15.45	0.2601	0.5863	536	536c
C _d	380_570	41.16	63.7	99.96	0.2009	0.311	489	598
B _d	380_494	25.06	14.76	94.61	0.1864	0.1098	463	573
M _d	570_494	83.9	51.06	94.65	0.3654	0.2223	536c	536
W _d	380_775	100.0	100.0	100.0	0.3333	0.3333	100%	
N _d	380_775	10.0	10.0	10.0	0.3333	0.3333	10%	
Z _d	380_775	18.0	18.0	18.0	0.3333	0.3333	18%	

Parameter:

Y & Name

Illuminant E00

$Y_w = 100, Y_N = 10$

