

$XYZ_w = 96.42, 100.0, 82.49$

$A = 2,5 (a - a_n) Y$

$B = 2,5 B_c (b - b_n) Y$

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

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

$a_{20} = 1, b_{20} = -0,4$

$x_c = 0,000, B_c = 1,000$

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

6 Ostwald colours (o)

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

Illumin. D50, $Y_w = 100, Y_N = 10$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	570_775	68.08	46.05	8.37	0.5557	0.3759	598	491
Y_d	496_775	84.45	94.64	12.16	0.4415	0.4948	573	468
G_d	496_570	26.11	58.68	12.12	0.2694	0.6055	538	538c
C_d	380_570	38.08	64.05	82.46	0.2063	0.3469	491	598
B_d	380_496	21.71	15.46	78.67	0.1874	0.1334	468	573
M_d	570_496	80.05	51.42	78.71	0.3808	0.2446	538c	538
W_d	380_775	96.42	100.0	82.49	0.3457	0.3585	100%	
N_d	380_775	9.64	10.0	8.24	0.3456	0.3585	10%	
Z_d	380_775	17.35	18.0	14.84	0.3457	0.3585	18%	

Parameter:

Y & Name

Illuminant D50

$Y_w = 100, Y_N = 10$

