

$XYZ_w = 95.04, 100.0, 108.89$

$A_1 = 2,5 (a_1 - a_{1,n}) Y$

$B_1 = 2,5 B_c (b_1 - b_{1,n}) Y$

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

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

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

$x_c = 0,110, B_c = 1,000$

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

6 Ostwald colours (o)

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

Illumin. D65, $Y_w = 100, Y_N = 50$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R _d	567_775	77.4	69.03	54.57	0.385	0.3434	596	489
Y _d	493_775	86.13	97.18	57.92	0.357	0.4028	570	463
G _d	493_567	56.35	78.24	57.9	0.2927	0.4064	535	535c
C _d	380_567	65.3	81.11	108.92	0.2557	0.3176	489	596
B _d	380_493	56.57	52.96	105.57	0.2629	0.2462	463	570
M _d	567_493	86.35	71.9	105.59	0.3272	0.2725	535c	535
W _d	380_775	95.04	100.0	108.89	0.3127	0.329	100%	
N _d	380_775	47.52	50.0	54.44	0.3127	0.329	50%	
Z _d	380_775	17.1	18.0	19.6	0.3127	0.329	18%	

Parameter:

Y & Name

Illuminant D65

$Y_w = 100, Y_N = 50$

