

$XYZ_w = 98.12, 100.0, 86.5$

$A_2 = 2.5 (a_2 - a_{2,n}) Y$

$B_2 = 2.5 B_c (b_2 - b_{2,n}) Y$

$a_2 = a_{20} [(x - x_c) / y]$

$b_2 = b_{20} [z / y]$

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

$x_c = 0.110, B_c = 1.000$

$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald colours (o)

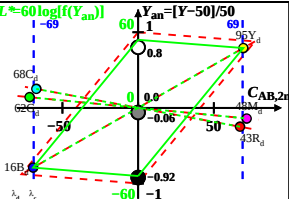
of maximum (m) C_{AB} in

linear colour space ($C_{AB,2} Y$)

Illumin. P50, $Y_w = 100, Y_N = 10$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	570_775	65.8	42.56	8.77	0.5617	0.3633	601	491
Y_d	495_775	85.35	94.55	12.37	0.4439	0.4917	573	467
G_d	495_570	29.46	62.08	12.33	0.2836	0.5976	542	542c
C_d	380_570	42.24	67.54	86.47	0.2152	0.3441	491	601
B_d	380_495	22.68	15.55	82.87	0.1872	0.1284	467	573
M_d	570_495	78.57	48.02	82.91	0.375	0.2292	542c	542
W_d	380_775	98.12	100.0	86.5	0.3447	0.3513	100%	
N_d	380_775	9.81	10.0	8.65	0.3447	0.3513	10%	
Z_d	380_775	17.66	18.0	15.57	0.3447	0.3513	18%	

$L^* = 60 \log[f(Y_{an})]$



$f(Y_{an}) = \pm [1 + 10 |Y_{an}|^n]$

n increases to 1 for:

1. decreasing of the contrast C
2. adjacent compared to separate colours.

Parameter:

Y & Name

Illuminant P50

$Y_w = 100, Y_N = 10$