

$XYZ_w = 100.93, 100.0, 64.68$

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

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

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

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

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

$x_c = 0.110, B_c = 1.300$

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

6 Ostwald colours (o)

of maximum (m) C_{AB} in
chromatic value diagram (A_2, B_2)

Illumin. P40, $Y_w = 100, Y_N = 50$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	573_775	85.62	70.65	32.43	0.4537	0.3743	600	493
Y_d	498_775	95.81	97.72	34.43	0.4202	0.4286	576	468
$G2_d$	461_575	61.96	79.57	39.45	0.3423	0.4396	524	524c
C_d	380_573	65.92	79.49	64.69	0.3137	0.3783	493	600
B_d	380_498	55.73	52.42	62.69	0.3262	0.3068	468	576
$M2_d$	575_461	89.58	70.57	57.67	0.4112	0.3239	524c	524
W_d	380_775	100.93	100.0	64.68	0.3799	0.3764	100%	
N_d	380_775	50.46	50.0	32.34	0.3799	0.3764	50%	
Z_d	380_775	18.16	18.0	11.64	0.3799	0.3764	18%	

Parameter:

Y & Name

Illuminant P40

$Y_w = 100, Y_N = 50$

