

$$XYZ_{W,10} = 98.51, 99.99, 86.17$$

$$A_{2,10} = 2.5 (a_{2,10} - a_{2,n,10}) Y_{10}$$

$$B_{2,10} = 2.5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$$

$$a_{2,10} = a_{20} [(x_{10} - x_c) / y_{10}]$$

$$b_{2,10} = b_{20} [z_{10} / y_{10}]$$

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

$$x_c = 0.110, B_c = 1.000$$

$$C_{AB,2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$$

6 Ostwald colours (o)

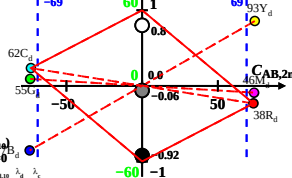
of maximum (m) $C_{AB,10}$ in

linear colour space ($C_{AB,2,10}, Y_{10}$)

Illumin. P50, $Y_{W,10} = 100, Y_{N,10} = 0$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	565_775	63.3	38.43	0.17	0.6212	0.3771	597	484
Y_d	489_775	84.26	92.86	5.73	0.4608	0.5078	569	461
G_d	489_565	21.15	54.63	5.73	0.2596	0.6701	534	534c
C_d	380_565	35.4	61.76	86.17	0.1931	0.3369	484	597
B_d	380_489	14.44	7.33	80.6	0.141	0.0716	461	569
M_d	565_489	77.55	45.56	80.6	0.3806	0.2236	534c	534
W_d	380_775	98.51	99.99	86.17	0.346	0.3512	100%	
N_d	380_775	0.09	0.09	0.08	0.3459	0.3511	0%	
Z_d	380_775	17.73	17.99	15.51	0.346	0.3512	18%	

$$L^*_{10} = 60 \log[f(Y_{10,an})] \quad Y_{10,an} = [Y_{10} - 50] / 50$$



$f(Y_{10,an}) = \pm [1 + 10 |Y_{10,an}|^n]$
 n increases to 1 for:
 1. decreasing of the contrast C
 2. adjacent compared to separate colours.

Parameter:
 Y_{10} & Name
 Illuminant P50
 $Y_{W,10} = 100, Y_{N,10} = 0$