

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

$A_{2,10} = 2,5 (a_{2,10} - a_{2,n,10}) Y_{10}$

$B_{2,10} = 2,5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$

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

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

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

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

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

6 Ostwald colours (o)

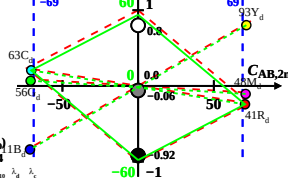
of maximum (m) $C_{AB,10}$ in

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

Illumin. P50, $Y_{W,10} = 100, Y_{N,10} = 4$

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	64.68	40.83	3.53	0.5931	0.3744	597	484
Y_d	489_775	84.82	93.14	8.87	0.4539	0.4985	569	461
G_d	489_565	24.18	56.41	8.87	0.2702	0.6304	534	534c
C_d	380_565	37.87	63.26	86.17	0.2021	0.3377	484	597
B_d	380_489	17.72	10.95	80.82	0.1618	0.1	461	569
M_d	565_489	78.37	47.69	80.82	0.3788	0.2305	534c	534
W_d	380_775	98.51	99.99	86.17	0.346	0.3512	100%	
N_d	380_775	3.94	3.99	3.44	0.346	0.3512	4%	
Z_d	380_775	17.73	17.99	15.51	0.346	0.3512	18%	

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



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

Parameter:
 Y_{10} & Name
 Illuminant P50
 $Y_{W,10} = 100, Y_{N,10} = 4$