

$XYZ_{W,10} = 116.54, 99.99, 26.13$

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

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

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

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

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

$x_c = 0.110, B_c = 3.700$

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

6 Ostwald colours (o)

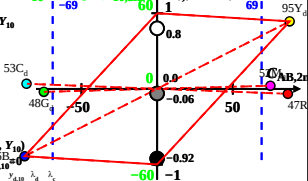
of maximum (m) $C_{AB,10}$ in

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

Illumin. P25, $Y_{W,10} = 100, Y_{N,10} = 0$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	578_775	86.13	46.78	0.05	0.6477	0.3518	605	495
Y_d	500_775	112.6294	65	1.28	0.54	0.4538	580	473
G_d	500_578	26.72	48.07	1.28	0.3512	0.6318	547	547c
C_d	380_578	30.64	53.41	26.13	0.278	0.4847	495	605
B_d	380_500	4.15	5.54	24.9	0.1199	0.1602	473	580
M_d	578_500	90.05	52.12	24.9	0.5389	0.3119	547c	547
W_d	380_775	116.5499	99.99	26.13	0.4802	0.412	100%	
N_d	380_775	0.11	0.09	0.02	0.48	0.4118	0%	
Z_d	380_775	20.97	17.99	4.7	0.4802	0.412	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 P25
 $Y_{W,10} = 100, Y_{N,10} = 0$