

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

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

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

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

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

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

$x_c = 0.110, B_c = 3.700$

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

6 Ostwald colours (o)

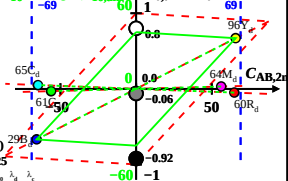
of maximum (m) $C_{AB,10}$ in

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

Illumin. P25, $Y_{W,10} = 100, Y_{N,10} = 25$

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	93.74	60.07	6.56	0.5845	0.3745	605	495
Y_d	500_775	113.63	96.01	7.48	0.5233	0.4421	580	473
G_d	500_578	49.13	61.04	7.48	0.4176	0.5187	547	547c
C_d	380_578	52.08	65.05	26.14	0.3634	0.454	495	605
B_d	380_500	32.19	29.11	25.21	0.372	0.3364	473	580
M_d	578_500	96.68	64.08	25.21	0.5198	0.3445	547c	547
W_d	380_775	116.54	99.99	26.13	0.4802	0.412	100%	
N_d	380_775	29.13	24.99	6.53	0.4802	0.412	25%	
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
 $Y_{W,10} = 100, Y_{N,10} = 25$