

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

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

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

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

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

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

$x_c = 0.110, B_c = 3.700$

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

6 Ostwald colours (o)

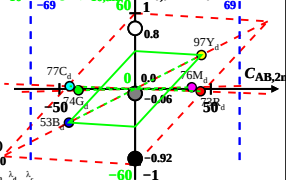
of maximum (m) $C_{AB,10}$ in

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

Illumin. P25, $Y_{W,10} = 100, Y_{N,10} = 50$

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	101.3873	41	13.09	0.5395	0.3907	605	495
Y_d	500_775	114.6497	37	13.71	0.5078	0.4313	580	473
G_d	500_578	71.64	74.06	13.71	0.4494	0.4645	547	547c
C_d	380_578	73.6	76.73	26.15	0.417	0.4347	495	605
B_d	380_500	60.34	52.77	25.53	0.4352	0.3806	473	580
M_d	578_500	103.3476	08	25.53	0.5041	0.3712	547c	547
W_d	380_775	116.5499	99	26.13	0.4802	0.412	100%	
N_d	380_775	58.27	49.99	13.06	0.4802	0.412	50%	
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

$Y_{W,10} = 100, Y_{N,10} = 50$