

$XYZ_{W,10} = 104.71, 99.99, 52.16$

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

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

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

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

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

$x_c = 0.110, B_c = 1.800$

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

6 Ostwald colours (o)

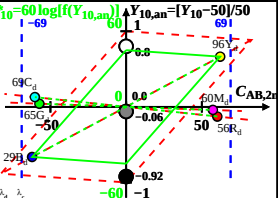
of maximum (m) $C_{AB,10}$ in

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

Illumin. P35, $Y_{W,10} = 100, Y_{N,10} = 25$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	571_775	80.52	56.16	13.09	0.5376	0.3749	601	489
Y_d	494_775	98.5	95.7	15.56	0.4696	0.4562	574	466
G_d	494_571	44.25	64.63	15.56	0.3556	0.5193	540	540c
C_d	380_571	50.49	68.96	52.17	0.2942	0.4018	489	601
B_d	380_494	32.51	29.42	49.7	0.2912	0.2635	466	574
M_d	571_494	86.76	60.48	49.7	0.4406	0.3071	540c	540
W_d	380_775	104.71	99.99	52.16	0.4076	0.3892	100%	
N_d	380_775	26.17	24.99	13.04	0.4076	0.3892	25%	
Z_d	380_775	18.84	17.99	9.38	0.4076	0.3892	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 P35

$Y_{W,10} = 100, Y_{N,10} = 25$