

$XYZ_{W,10} = 97.65, 100.0, 95.55$

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

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

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

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

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

$x_c = 0.110, B_c = 0.900$

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

6 Ostwald colours (o)

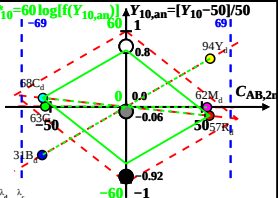
of maximum (m) $C_{AB,10}$ in

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

Illumin. P55, $Y_{W,10} = 100, Y_{N,10} = 25$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	564_775	73.13	56.68	23.98	0.4755	0.3685	593	483
Y_d	488_775	85.73	94.42	28.62	0.4106	0.4522	568	460
G_d	488_564	37.1	62.84	28.62	0.2885	0.4887	529	529c
C_d	380_564	49.05	68.44	95.57	0.2302	0.3212	483	593
B_d	380_488	36.45	30.69	90.93	0.2306	0.1941	460	568
M_d	564_488	85.08	62.28	90.93	0.357	0.2613	529c	529
W_d	380_775	97.65	100.0	95.55	0.333	0.341	100%	
N_d	380_775	24.41	25.0	23.88	0.333	0.341	25%	
Z_d	380_775	17.57	18.0	17.19	0.333	0.341	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 P55

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