

$$XYZ_{W,10} = 97.09, 99.99, 104.01$$

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

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

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

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

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

$$x_c = 0.110, B_c = 0.800$$

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

6 Ostwald colours (o)

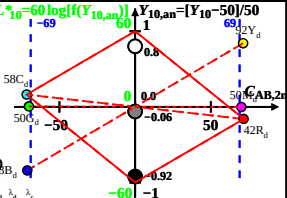
of maximum (m) $C_{AB,10}$ in

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

Illumin. P60, $Y_{W,10} = 100, Y_{N,10} = 0$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	563_775	63.61	42.02	0.2	0.6009	0.397	592	482
Y_d	487_775	79.65	92.09	6.68	0.4464	0.5161	567	460
G_d	487_563	16.23	50.26	6.68	0.2218	0.6868	528	528c
C_d	380_563	33.67	58.17	104.01	0.1719	0.2969	482	592
B_d	380_487	17.63	8.1	97.54	0.143	0.0657	460	567
M_d	563_487	81.05	49.93	97.54	0.3546	0.2184	528c	528
W_d	380_775	97.09	99.99	104.01	0.3224	0.3321	100%	
N_d	380_775	0.09	0.09	0.1	0.3223	0.3319	0%	
Z_d	380_775	17.47	17.99	18.72	0.3224	0.3321	18%	

$$L^*_{10} = 60 \log[f(Y_{10,an})] \quad Y_{10,an} = [Y_{10} - 50] / 50$$



$$f(Y_{10,an}) = \pm [1 + 10 |Y_{10,an}|^n]$$

n increases to 1 for:

1. decreasing of the contrast C
2. adjacent compared to separate colours.

Parameter:

Y_{10} & Name

Illuminant P60

$Y_{W,10} = 100, Y_{N,10} = 0$