

$$XYZ_{W,10} = 99.99, 99.99, 100.0$$

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

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

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

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

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

$$x_c = 0.110, B_c = 0.900$$

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

6 Ostwald colours (o)

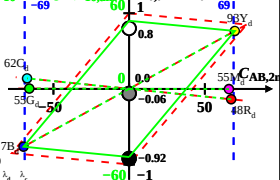
of maximum (m) $C_{AB,10}$ in

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

Illumin. E00, $Y_{W,10}=100, Y_{N,10}=10$

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	69.56	48.14	10.1	0.5442	0.3767	594	482
Y_d	487_775	84.85	93.29	15.74	0.4376	0.4811	568	459
G_d	487_564	25.39	55.24	15.74	0.2634	0.5731	530	530c
C_d	380_564	40.53	61.96	100.01	0.2001	0.3059	482	594
B_d	380_487	25.24	16.81	94.37	0.185	0.1232	459	568
M_d	564_487	84.7	54.86	94.37	0.362	0.2345	530c	530
W_d	380_775	99.99	99.99	100.0	0.3333	0.3333	100%	
N_d	380_775	9.99	9.99	10.0	0.3333	0.3333	10%	
Z_d	380_775	17.99	17.99	18.0	0.3333	0.3333	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 E00

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