

$$XYZ_{W,10}=101.75, 100.0, 64.44$$

$$A_{2,10} = 2,5 (a_{2,10} - a_{2,n,10}) Y_{10}$$

$$B_{2,10} = 2,5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$$

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

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

$$a_{20} = 1, b_{20} = -0,4$$

$$x_c = 0,110, B_c = 1,300$$

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

6 Ostwald colours (o)

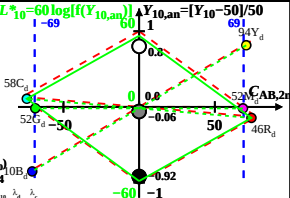
of maximum (m) $C_{AB,10}$ in

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

Illumin. P40, $Y_{W,10}=100, Y_{N,10}=4$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	569_775	72.63	45.71	2.64	0.6003	0.3778	597	487
Y_d	492_775	91.71	93.7	6.23	0.4785	0.4889	572	465
G_d	492_569	23.25	52.09	6.23	0.285	0.6385	535	535c
C_d	380_569	33.29	58.38	64.44	0.2132	0.3739	487	597
B_d	380_492	14.21	10.39	60.86	0.1662	0.1216	465	572
M_d	569_492	82.67	52.01	60.86	0.4227	0.2659	535c	535
W_d	380_775	101.75	100.0	64.44	0.3822	0.3756	100%	
N_d	380_775	4.07	4.0	2.57	0.3822	0.3756	4%	
Z_d	380_775	18.31	18.0	11.6	0.3822	0.3756	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 P40

$Y_{W,10}=100, Y_{N,10}=4$