

$XYZ_{W,10}=111.15, 99.99, 35.19$

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

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

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

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

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

$x_c = 0,110, B_c = 2,500$

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

6 Ostwald colours (o)

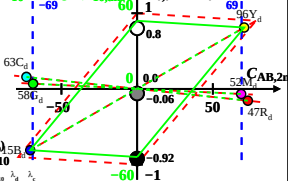
of maximum (m) $C_{AB,10}$ in

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

Illumin. A00, $Y_{W,10}=100, Y_{N,10}=10$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	575_775	80.27	47.2	3.55	0.6126	0.3602	606	493
Y_d	498_775	106.2895	57	5.53	0.5124	0.4608	577	469
G_d	498_575	37.23	58.46	5.53	0.3677	0.5775	546	546c
C_d	380_575	42.11	62.9	35.2	0.3003	0.4485	493	606
B_d	380_498	16.1	14.53	33.22	0.2522	0.2275	469	577
M_d	575_498	85.15	51.64	33.22	0.5008	0.3037	546c	546
W_d	380_775	111.1599	99	35.19	0.4511	0.4059	100%	
N_d	380_775	11.11	9.99	3.51	0.4511	0.4059	10%	
Z_d	380_775	20.0	18.0	6.33	0.4511	0.4059	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 A00
 $Y_{W,10}=100, Y_{N,10}=10$