

$XYZ_{W,10} = 96.72, 99.99, 81.41$

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

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

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

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

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

$x_c = 0,110, B_c = 1,000$

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

6 Ostwald colours (o)

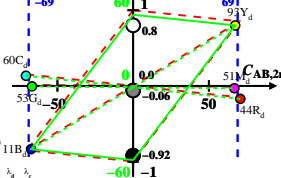
of maximum (m) $C_{AB,10}$ in

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

Illumin. D50, $Y_{W,10} = 100, Y_{N,10} = 4$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	565_775	67.08	44.39	3.33	0.5842	0.3866	594	484
Y_d	490_775	84.02	92.96	8.47	0.453	0.5012	568	463
G_d	490_565	20.9	52.67	8.47	0.2547	0.6419	531	531c
C_d	380_565	33.6	59.71	81.41	0.1923	0.3417	484	594
B_d	380_490	16.67	11.14	76.27	0.1601	0.107	463	568
M_d	565_490	79.79	51.43	76.27	0.3845	0.2478	531c	531
W_d	380_775	96.72	99.99	81.41	0.3477	0.3595	100%	
N_d	380_775	3.86	3.99	3.25	0.3477	0.3595	4%	
Z_d	380_775	17.41	17.99	14.65	0.3477	0.3595	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 D50
 $Y_{W,10} = 100, Y_{N,10} = 4$