

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

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

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

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

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

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

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

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

6 Ostwald colours (o)

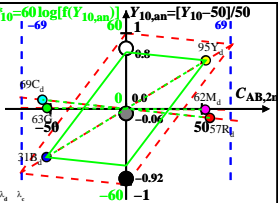
of maximum (m)  $C_{AB,10}$  in

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

Illumin. D50,  $Y_{W,10} = 100, Y_{N,10} = 25$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	$\lambda_d$	$\lambda_c$
R <sub>d</sub>	565_775	73.59	56.57	20.43	0.4886	0.3756	594	484
Y <sub>d</sub>	490_775	86.82	94.52	24.44	0.4218	0.4593	568	463
G <sub>d</sub>	490_565	37.5	63.04	24.44	0.3	0.5043	531	531c
C <sub>d</sub>	380_565	47.43	68.54	81.43	0.2402	0.3472	484	594
B <sub>d</sub>	380_490	34.2	30.6	77.41	0.2405	0.2151	463	568
M <sub>d</sub>	565_490	83.51	62.07	77.41	0.3744	0.2783	531c	531
W <sub>d</sub>	380_775	96.72	99.99	81.41	0.3477	0.3595	100%	
N <sub>d</sub>	380_775	24.18	24.99	20.35	0.3477	0.3595	25%	
Z <sub>d</sub>	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  
 $Y_{W,10} = 100, Y_{N,10} = 25$