

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

$A_{10} = 2,5 (a_{10} - a_{n10}) Y_{10}$

$B_{10} = 2,5 B_c (b_{10} - b_{n10}) Y_{10}$

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

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

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

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

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

6 Ostwald colours (o)

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

chromatic value diagram (A_{10}, B_{10})

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

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	565_775	73.59	56.57	20.43	0.4886	0.3756	594	484
Y_d	490_775	86.82	94.52	24.44	0.4218	0.4593	568	463
G_d	490_565	37.5	63.04	24.44	0.3	0.5043	531	531c
C_d	380_565	47.43	68.54	81.43	0.2402	0.3472	484	594
B_d	380_490	34.2	30.6	77.41	0.2405	0.2151	463	568
M_d	565_490	83.51	62.07	77.41	0.3744	0.2783	531c	531
W_d	380_775	96.72	99.99	81.41	0.3477	0.3595	100%	
N_d	380_775	24.18	24.99	20.35	0.3477	0.3595	25%	
Z_d	380_775	17.41	17.99	14.65	0.3477	0.3595	18%	

Parameter:

Y_{10} & Name

Illuminant D50

$Y_{W,10}=100, Y_{N,10}=25$

