

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

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

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

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

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

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

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

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

6 Ostwald colours (o)

of maximum (m) $C_{AB,10}$ in
chromatic value diagram (A_{10}, B_{10})

Illumin. D50, $Y_{W,10}=100, Y_{N,10}=50$

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	81.33	71.08	40.78	0.4209	0.3679	594	484
Y_d	490_775	90.15	96.38	43.46	0.3919	0.419	568	463
G_d	490_565	57.28	75.39	43.46	0.3251	0.428	531	531c
C_d	380_565	63.89	79.06	81.45	0.2847	0.3523	484	594
B_d	380_490	55.07	53.76	78.77	0.2935	0.2865	463	568
M_d	565_490	87.95	74.75	78.77	0.3642	0.3095	531c	531
W_d	380_775	96.72	99.99	81.41	0.3477	0.3595	100%	
N_d	380_775	48.36	49.99	40.7	0.3477	0.3595	50%	
Z_d	380_775	17.41	17.99	14.65	0.3477	0.3595	18%	

Parameter:

Y_{10} & Name

Illuminant D50

$Y_{W,10}=100, Y_{N,10}=50$

