

$XYZ_{W,10} = 99.8, 100.0, 75.8$

$A_{1,10} = 2.5 (a_{1,10} - a_{1,n,10}) Y_{10}$

$B_{1,10} = 2.5 B_c (b_{1,10} - b_{1,n,10}) Y_{10}$

$a_{1,10} = a_{20} [(x_{10} - x_c) / y_{10}]$

$b_{1,10} = b_{20} [z_{10} / y_{10}]$

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 1.000$

$C_{AB1,10} = [A_{1,10}^2 + B_{1,10}^2]^{1/2}$

6 Ostwald colours (o)

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

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

Illumin. P45, $Y_{W,10} = 100, Y_{N,10} = 50$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	567_775	83.75	70.79	37.97	0.435	0.3677	597	485
Y_d	490_775	93.61	96.11	39.73	0.4079	0.4188	571	465
G_d	490_567	59.86	75.42	39.73	0.342	0.4309	536	536c
C_d	380_567	66.1	79.35	75.84	0.2986	0.3585	485	597
B_d	380_490	56.24	54.03	74.08	0.305	0.293	465	571
M_d	567_490	89.99	74.72	74.08	0.3768	0.3128	536c	536
W_d	380_775	99.8	100.0	75.8	0.3621	0.3628	100%	
N_d	380_775	49.9	50.0	37.9	0.3621	0.3628	50%	
Z_d	380_775	17.96	18.0	13.64	0.3621	0.3628	18%	

Parameter:

Y_{10} & Name

Illuminant P45

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

