

$XYZ_{W,10}=101.75, 100.0, 64.44$

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

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

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

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

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

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

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

6 Ostwald colours (o)

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

Illumin. P40, $Y_{W,10}=100, Y_{N,10}=25$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	569_775	79.02	57.61	16.17	0.5171	0.3769	597	487
Y_d	492_775	93.93	95.1	18.98	0.4515	0.4571	572	465
G_d	492_569	40.44	62.59	18.98	0.3314	0.5129	535	535c
C_d	380_569	48.28	67.51	64.46	0.2678	0.3745	487	597
B_d	380_492	33.38	30.02	61.65	0.2669	0.24	465	572
M_d	569_492	86.87	62.53	61.65	0.4115	0.2962	535c	535
W_d	380_775	101.75	100.0	64.44	0.3822	0.3756	100%	
N_d	380_775	25.43	25.0	16.11	0.3822	0.3756	25%	
Z_d	380_775	18.31	18.0	11.6	0.3822	0.3756	18%	

Parameter:

Y_{10} & Name

Illuminant P40

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

