

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

$A_{1,10} = 2,5 (a_{1,10} - a_{1,n,10}) Y_{10}$

$B_{1,10} = 2,5 B_c (b_{1,10} - b_{1,n,10}) Y_{10}$

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

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

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

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

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

6 Ostwald colours (o)

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

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

Illumin. P45, $Y_{W,10}=100, Y_{N,10}=4$

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	68.89	43.82	3.1	0.5947	0.3783	597	485
Y_d	490_775	87.82	92.45	6.47	0.4702	0.495	571	465
G_d	490_567	23.02	52.73	6.47	0.2799	0.6412	536	536c
C_d	380_567	35.0	60.27	75.81	0.2046	0.3522	485	597
B_d	380_490	16.07	11.64	72.43	0.1605	0.1162	465	571
M_d	567_490	80.87	51.37	72.43	0.3951	0.2509	536c	536
W_d	380_775	99.8	100.0	75.8	0.3621	0.3628	100%	
N_d	380_775	3.99	4.0	3.03	0.3621	0.3628	4%	
Z_d	380_775	17.96	18.0	13.64	0.3621	0.3628	18%	

Parameter:

Y_{10} & Name

Illuminant P45

$Y_{W,10}=100, Y_{N,10}=4$

