

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

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

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

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

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

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

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

$C_{AB10} = [A_{10}^2 + B_{10}^2]^{1/2}$

6 Ostwald colours (o)

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

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

| Name  | Range   | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|-------|---------|------------|------------|------------|------------|------------|-------------|-------------|
| $R_d$ | 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  
 $Y_{W,10} = 100, Y_{N,10} = 50$

