

$XYZ_{W,10} = 97.28, 99.99, 116.14$

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

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

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

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

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

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

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

6 Ostwald colours (o)

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

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

Illumin. C00, $Y_{W,10} = 100, Y_{N,10} = 4$

Name Range $X_{d,10}$ $Y_{d,10}$ $Z_{d,10}$ $x_{d,10}$ $y_{d,10}$ λ_d λ_c

R_d 561_775 62.57 42.58 4.76 0.5692 0.3874 593 481

Y_d 486_775 78.58 90.93 10.65 0.4361 0.5046 567 461

G_d 486_561 20.0 52.44 10.65 0.2407 0.6311 530 530c

C_d 380_561 38.7 61.52 116.14 0.1788 0.2843 481 593

B_d 380_486 22.69 13.17 110.26 0.1552 0.0901 461 567

M_d 561_486 81.27 51.65 110.26 0.3342 0.2124 530c 530

W_d 380_775 97.28 99.99 116.14 0.3103 0.319 100%

N_d 380_775 3.89 3.99 4.64 0.3103 0.319 4%

Z_d 380_775 17.51 18.0 20.9 0.3103 0.319 18%

Parameter:
 Y_{10} & Name
 Illuminant C00
 $Y_{W,10} = 100, Y_{N,10} = 4$

