

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

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

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

$a_{2,10} = a_{20} [(x_{10} - x_c) / y_{10}]$

$b_{2,10} = b_{20} [z_{10} / y_{10}]$

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

$x_c = 0,110, B_c = 0,700$

$C_{AB2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$

6 Ostwald-Farben (o)

von maximalem (m) $C_{AB,10}$ im

linearen Farbenraum ($C_{AB,2,10}, Y_{10}$)

Lichtart C00, $Y_{W,10} = 100, Y_{N,10} = 10$

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

R_d 561_775 64.74 46.17 11.73 0.5278 0.3764 593 481

Y_d 486_775 79.76 91.5 17.25 0.4231 0.4853 567 461

G_d 486_561 24.84 55.42 17.25 0.2547 0.5683 530 530c

C_d 380_561 42.37 63.93 116.15 0.1904 0.2873 481 593

B_d 380_486 27.36 18.6 110.63 0.1747 0.1188 461 567

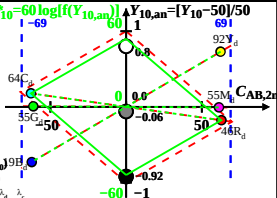
M_d 561_486 82.28 54.68 110.63 0.3323 0.2208 530c 530

W_d 380_775 97.28 99.99 116.14 0.3103 0.319 100%

N_d 380_775 9.72 9.99 11.61 0.3103 0.319 10%

Z_d 380_775 17.51 18.0 20.9 0.3103 0.319 18%

$L^*_{10} = 60 \log[f(Y_{10,an})]$ $Y_{10,an} = [Y_{10} - 50] / 50$



$f(Y_{10,an}) = \pm [1 + 10 |Y_{10,an}|^n]$

n nähert sich 1 für:

1. abnehmendem Kontrast C
2. aneinandergrenzende / separate Farben.

Parameter:

Y_{10} & Name

Lichtart C00

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