

$XYZ_{W,10} = 94.81, 100.0, 107.33$

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

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

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

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

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

$x_c = 0,110, B_c = 0,800$

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

6 Ostwald-Farben (o)

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

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

Lichtart D65, $Y_{W,10} = 100, Y_{N,10} = 50$

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 77.35 69.58 53.77 0.3854 0.3466 593 482

Y_d 487_775 85.93 95.77 57.07 0.3598 0.4011 566 461

G_d 487_561 56.07 76.29 57.07 0.296 0.4027 529 529c

C_d 380_561 65.0 80.56 107.38 0.2569 0.3185 482 593

B_d 380_487 56.42 54.37 104.09 0.2625 0.253 461 566

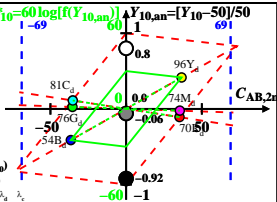
M_d 561_487 86.28 73.85 104.09 0.3265 0.2795 529c 529

W_d 380_775 94.81 100.0 107.33 0.3137 0.3309 100%

N_d 380_775 47.4 50.0 53.66 0.3137 0.3309 50%

Z_d 380_775 17.06 18.0 19.32 0.3137 0.3309 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 D65
 $Y_{W,10} = 100, Y_{N,10} = 50$