

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

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

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

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

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

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

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

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

6 Ostwald-Farben (o)

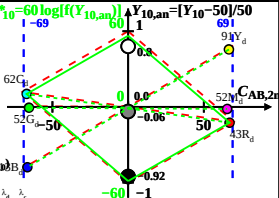
von maximalem (m)  $C_{AB,10}$  im

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

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

| Name  | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|-------|---------|------------|------------|------------|------------|------------|-------------|-------------|
| $R_d$ | 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%         |             |

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



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

$n$  nähert sich 1 für:

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

Parameter:

$Y_{10}$  & Name

Lichtart C00

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