

$XYZ_W = 99.2, 100.0, 76.07$

$A_2 = 2.5 (a_2 - a_{2,n}) Y$

$B_2 = 2.5 B_c (b_2 - b_{2,n}) Y$

$a_2 = a_{20} [(x - x_c) / y]$

$b_2 = b_{20} [z / y]$

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 1.100$

$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald-Farben (o)

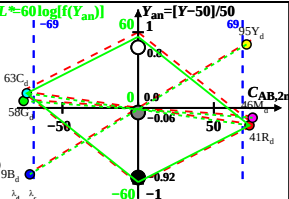
von maximalem (m)  $C_{AB}$  im

linearen Farbenraum ( $C_{AB2}, Y$ )

Lichtart P45,  $Y_W = 100, Y_N = 4$

| Name  | Bereich | $X_d$ | $Y_d$ | $Z_d$ | $x_d$  | $y_d$  | $\lambda_d$ | $\lambda_c$ |
|-------|---------|-------|-------|-------|--------|--------|-------------|-------------|
| $R_d$ | 572_775 | 67.55 | 41.43 | 3.16  | 0.6023 | 0.3694 | 600         | 492         |
| $Y_d$ | 497_775 | 87.36 | 94.95 | 7.15  | 0.461  | 0.5011 | 574         | 467         |
| $G_d$ | 497_572 | 23.87 | 57.61 | 7.11  | 0.2694 | 0.6501 | 541         | 541c        |
| $C_d$ | 380_572 | 35.72 | 62.66 | 76.03 | 0.2047 | 0.3592 | 492         | 600         |
| $B_d$ | 380_497 | 15.9  | 9.15  | 72.03 | 0.1638 | 0.0942 | 467         | 574         |
| $M_d$ | 572_497 | 79.39 | 46.49 | 72.07 | 0.401  | 0.2348 | 541c        | 541         |
| $W_d$ | 380_775 | 99.2  | 100.0 | 76.07 | 0.3603 | 0.3632 | 100%        |             |
| $N_d$ | 380_775 | 3.96  | 4.0   | 3.04  | 0.3603 | 0.3632 | 4%          |             |
| $Z_d$ | 380_775 | 17.85 | 18.0  | 13.69 | 0.3603 | 0.3632 | 18%         |             |

$L^* = 60 \log[f(Y_{an})]$



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

$n$  nähert sich 1 für:

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

Parameter:

$Y$  & Name

Lichtart P45

$Y_W = 100, Y_N = 4$