

$XYZ_W=100.93, 100.0, 64.68$

$A_2 = 2,5 (a_2 - a_{2,n}) Y$

$B_2 = 2,5 B_c (b_2 - b_{2,n}) Y$

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

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

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

$x_c = 0,110, B_c = 1,300$

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

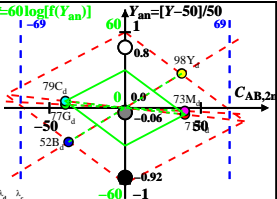
6 Ostwald-Farben (o)

von maximalem (m)  $C_{AB}$  im  
linearen Farbenraum ( $C_{AB,2r} Y$ )

Lichtart P40,  $Y_W=100, Y_N=50$

| Name           | Bereich | $X_d$  | $Y_d$ | $Z_d$ | $x_d$  | $y_d$  | $\lambda_d$ | $\lambda_c$ |
|----------------|---------|--------|-------|-------|--------|--------|-------------|-------------|
| R <sub>d</sub> | 573_775 | 85.62  | 70.65 | 32.43 | 0.4537 | 0.3743 | 600         | 493         |
| Y <sub>d</sub> | 498_775 | 95.81  | 97.72 | 34.43 | 0.4202 | 0.4286 | 576         | 468         |
| G <sub>d</sub> | 498_573 | 60.75  | 77.17 | 34.41 | 0.3525 | 0.4477 | 540         | 540c        |
| C <sub>d</sub> | 380_573 | 65.92  | 79.49 | 64.69 | 0.3137 | 0.3783 | 493         | 600         |
| B <sub>d</sub> | 380_498 | 55.73  | 52.42 | 62.69 | 0.3262 | 0.3068 | 468         | 576         |
| M <sub>d</sub> | 573_498 | 90.79  | 72.97 | 62.71 | 0.4008 | 0.3222 | 540c        | 540         |
| W <sub>d</sub> | 380_775 | 100.93 | 100.0 | 64.68 | 0.3799 | 0.3764 | 100%        |             |
| N <sub>d</sub> | 380_775 | 50.46  | 50.0  | 32.34 | 0.3799 | 0.3764 | 50%         |             |
| Z <sub>d</sub> | 380_775 | 18.16  | 18.0  | 11.64 | 0.3799 | 0.3764 | 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 P40

$Y_W=100, Y_N=50$