

$XYZ_W = 97.45, 100.0, 95.98$

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

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

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

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

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

$x_c = 0.110, B_c = 0.900$

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

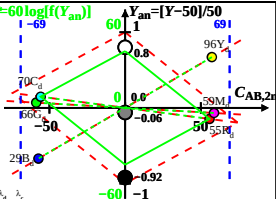
6 Ostwald-Farben (o)

von maximalem (m)  $C_{AB}$  im  
linearen Farbenraum ( $C_{AB2}, Y$ )

Lichtart P55,  $Y_W = 100, Y_N = 25$

| Name           | Bereich | $X_d$ | $Y_d$ | $Z_d$ | $x_d$  | $y_d$  | $\lambda_d$ | $\lambda_c$ |
|----------------|---------|-------|-------|-------|--------|--------|-------------|-------------|
| R <sub>d</sub> | 569_775 | 72.43 | 55.21 | 24.12 | 0.4772 | 0.3637 | 597         | 490         |
| Y <sub>d</sub> | 494_775 | 85.62 | 96.07 | 28.53 | 0.4072 | 0.4569 | 572         | 464         |
| G <sub>d</sub> | 494_569 | 37.65 | 65.96 | 28.49 | 0.285  | 0.4992 | 536         | 536c        |
| C <sub>d</sub> | 380_569 | 49.5  | 69.91 | 95.97 | 0.2298 | 0.3245 | 490         | 597         |
| B <sub>d</sub> | 380_494 | 36.31 | 29.05 | 91.56 | 0.2314 | 0.1851 | 464         | 572         |
| M <sub>d</sub> | 569_494 | 84.29 | 59.16 | 91.6  | 0.3586 | 0.2516 | 536c        | 536         |
| W <sub>d</sub> | 380_775 | 97.45 | 100.0 | 95.98 | 0.3321 | 0.3407 | 100%        |             |
| N <sub>d</sub> | 380_775 | 24.36 | 25.0  | 23.99 | 0.3321 | 0.3407 | 25%         |             |
| Z <sub>d</sub> | 380_775 | 17.54 | 18.0  | 17.27 | 0.3321 | 0.3407 | 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 P55

$Y_W = 100, Y_N = 25$