

$XYZ_{W,10} = 102.37, 99.99, 81.25$

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

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

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

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

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

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

$x_c = 0,110, B_c = 1,000$

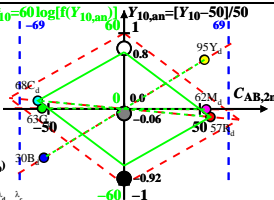
$C_{AB,2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$

6 Ostwald-Farben (o)

von maximalem (m) $C_{AB,10}$ im
linearen Farbenraum ($C_{AB,2,10}, Y_{10}$)

Lichtart P00, $Y_{W,10} = 100, Y_{N,10} = 25$

| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | λ_d | λ_c |
|----------------|---------|------------|------------|------------|------------|------------|-------------|-------------|
| R _d | 567_775 | 78.08 | 57.18 | 20.39 | 0.5016 | 0.3673 | 597 | 484 |
| Y _d | 489_775 | 92.27 | 94.96 | 24.2 | 0.4364 | 0.4491 | 571 | 461 |
| G _d | 489_567 | 39.88 | 62.88 | 24.2 | 0.3141 | 0.4952 | 533 | 533c |
| C _d | 380_567 | 50.01 | 67.94 | 81.27 | 0.251 | 0.341 | 484 | 597 |
| B _d | 380_489 | 35.81 | 30.16 | 77.46 | 0.2497 | 0.2102 | 461 | 571 |
| M _d | 567_489 | 88.21 | 62.24 | 77.46 | 0.387 | 0.273 | 533c | 533 |
| W | 380_775 | 102.37 | 99.99 | 81.25 | 0.3609 | 0.3525 | 100% | |
| N _d | 380_775 | 25.59 | 24.99 | 20.31 | 0.3609 | 0.3525 | 25% | |
| Z _d | 380_775 | 18.42 | 18.0 | 14.62 | 0.3609 | 0.3525 | 18% | |



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

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

Parameter:
 Y_{10} & Name
Lichtart P00
 $Y_{W,10} = 100, Y_{N,10} = 25$