

$XYZ_W=108.04, 100.0, 39.55$

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

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

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

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

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

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

$x_c = 0,110, B_c = 2,500$

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

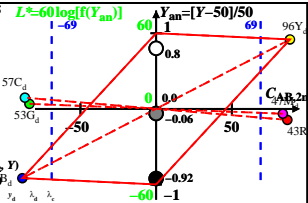
6 Ostwald-Farben (o)

von maximalem (m) C_{AB}

linearen Farbenraum ($C_{AB,2n} Y$)

Lichtart P30, $Y_W=100, Y_N=0$

| Name | Bereich | X_d | Y_d | Z_d | x_d | y_d | λ_d | λ_c |
|----------------|---------|-----------|-------|-------|--------|--------|-------------|-------------|
| R _d | 578_775 | 78.22 | 42.76 | 0.12 | 0.6459 | 0.353 | 604 | 498 |
| Y _d | 503_775 | 102.0195 | 91 | 2.64 | 0.5086 | 0.4782 | 580 | 473 |
| G _d | 503_578 | 24.0 | 53.35 | 2.59 | 0.3001 | 0.6672 | 546 | 546c |
| C _d | 380_578 | 30.03 | 57.43 | 39.5 | 0.2365 | 0.4523 | 498 | 604 |
| B _d | 380_503 | 6.24 | 4.28 | 36.98 | 0.1314 | 0.0901 | 473 | 580 |
| M _d | 578_503 | 84.25 | 46.84 | 37.03 | 0.5011 | 0.2786 | 546c | 546 |
| W _d | 380_775 | 108.04100 | 0 | 39.55 | 0.4363 | 0.4038 | 100% | |
| N _d | 380_775 | 0.1 | 0.1 | 0.03 | 0.4361 | 0.4037 | 0% | |
| Z _d | 380_775 | 19.44 | 18.0 | 7.11 | 0.4363 | 0.4038 | 18% | |



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

- n nähert sich 1 für:
- 1. abnehmendem Kontrast C
- 2. aneinandergrenzende / separate Farben.

Parameter:
Y & Name
Lichtart P30
 $Y_W=100, Y_N=0$