

$XYZ_W=95.04, 100.0, 108.89$

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

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

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

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

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

$x_c = 0,110, B_c = 0,800$

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

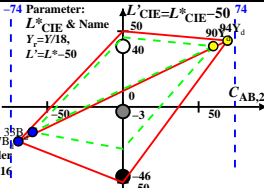
6 Ostwald-Farben (o), $C_{AB,2} = \text{const}$

Farbenraum ($C_{AB,2}, L^*_{CIE}$)

$L^*_{CIE} = 116(Y/100)^{1/3} - 16$ ($Y > 0,8856$) oder

$L^*_{CIE} = 116[(841/108)(Y/100) + 4/29] - 16$

Lichtart D65, $Y_W=90,0, Y_N=3,6$



| Name | Bereich | X | Y | Z | x | y | λ_d | λ_c | a_2 | b_2 | c_2 | A_2 | B_2 | $C_{AB,2}$ | $h_{AB,2}$ | Y_r | L'_{CIE} | L'_{Clr} | L'_{Tur} | L'_{Tar} |
|----------------|---------|-------|-------|-------|-------|----------|-------------|-------------|--------|--------|-------|-------|-------|------------|------------|-------|------------|------------|------------|------------|
| R | 567_775 | 49.44 | 32.71 | 3.56 | 0.576 | 0.381596 | 489 | 1.223 | -0.034 | 0.683 | 49.6 | 25.6 | 55.8 | 27 | 1.81 | 13.9 | 14.5 | 14.8 | 12.6 | |
| Y _n | 493_775 | 63.04 | 76.53 | 8.77 | 0.424 | 0.515570 | 463 | 0.61 | -0.036 | 0.311 | -1.0 | 59.6 | 59.6 | 91 | 4.25 | 40.1 | 41.0 | 35.9 | 27.8 | |
| G | 493_567 | 16.67 | 47.05 | 8.74 | 0.23 | 0.649535 | 535 | 0.184 | -0.059 | 0.519 | -50.7 | 33.9 | 61.0 | 146 | 2.61 | 24.2 | 24.9 | 23.8 | 19.7 | |
| C _n | 380_567 | 30.61 | 51.52 | 88.16 | 0.179 | 0.302489 | 596 | 0.23 | -0.547 | 0.433 | -49.6 | -25.6 | 55.8 | 207 | 2.86 | 26.9 | 27.7 | 26.1 | 21.3 | |
| B _n | 380_493 | 17.01 | 7.7 | 82.95 | 0.158 | 0.071463 | 570 | 0.671 | -3.444 | 3.096 | 1.0 | -59.6 | 59.6 | 271 | 0.42 | -16.6 | -16.2 | -21.0 | -17.6 | |
| M | 567_493 | 63.38 | 37.18 | 82.98 | 0.345 | 0.202535 | 535 | 1.161 | -0.714 | 0.656 | 50.7 | -33.9 | 61.0 | 326 | 2.06 | 17.4 | 18.0 | 18.0 | 15.2 | |
| W _d | 380_775 | 85.53 | 90.0 | 98.0 | 0.312 | 0.329 | 90% | | 0.616 | -0.348 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 4.99 | 45.9 | 46.9 | 40.0 | 30.1 |
| N _d | 380_775 | 3.42 | 3.6 | 3.92 | 0.312 | 0.329 | 3% | | 0.616 | -0.348 | 0.01 | 0.0 | 0.0 | 0.0 | 180 | 0.19 | -27.6 | -27.4 | -40.0 | -30.1 |
| U _d | 380_775 | 17.1 | 18.0 | 19.6 | 0.312 | 0.329 | 18% | | 0.616 | -0.348 | 0.01 | 0.0 | 0.0 | 0.0 | 184 | 1.0 | -0.4 | 0.0 | 0.0 | 0.0 |