

$XYZ_W=109.84, 99.99, 35.58$

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

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

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

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

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

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

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

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 A00, $Y_W=72.0, Y_N=4.5$

| 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'_{CIE} | L'_{TU} | L'_{TA} |
|-------|---------|-------|-------|-------|-------|----------|-------------|-------------|--------|-------|-------|-------|-------|------------|------------|-------|-------------|------------|-----------|-----------|
| R_n | 579_775 | 52.97 | 30.18 | 1.46 | 0.626 | 0.356605 | 499 | 1.446 | -0.048 | 0.69 | 46.6 | 23.1 | 52.0 | 26 | 1.67 | 11.8 | 12.4 | 12.8 | 11.0 | |
| Y_n | 504_775 | 67.91 | 62.35 | 2.86 | 0.51 | 0.468581 | 474 | 0.854 | -0.045 | 0.311 | 4.0 | 48.3 | 48.4 | 85 | 3.46 | 33.1 | 33.9 | 30.8 | 24.6 | |
| G_n | 504_579 | 19.38 | 36.22 | 2.83 | 0.331 | 0.619547 | 547 | 0.357 | -0.078 | 0.546 | -42.6 | 25.1 | 49.4 | 149 | 2.01 | 16.6 | 17.3 | 17.3 | 14.7 | |
| C_n | 380_579 | 22.65 | 38.66 | 23.03 | 0.268 | 0.458499 | 605 | 0.345 | -0.595 | 0.539 | -46.6 | -23.1 | 52.0 | 206 | 2.14 | 18.5 | 19.2 | 19.0 | 16.0 | |
| B_n | 380_504 | 7.71 | 6.49 | 21.63 | 0.215 | 0.181474 | 581 | 0.581 | -3.332 | 2.986 | -4.0 | -48.3 | 48.4 | 265 | 0.36 | -19.3 | -19.0 | -25.3 | -20.7 | |
| M_n | 579_504 | 56.24 | 32.62 | 21.66 | 0.508 | 0.295547 | 547 | 1.351 | -0.664 | 0.606 | 42.6 | -25.1 | 49.4 | 329 | 1.81 | 13.8 | 14.5 | 14.7 | 12.6 | |
| W_n | 380_775 | 79.09 | 71.99 | 25.61 | 0.447 | 0.407 | 72% | 0.828 | -0.355 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 4.0 | 37.9 | 38.8 | 34.4 | 26.9 | |
| N_n | 380_775 | 4.94 | 4.49 | 1.6 | 0.447 | 0.407 | 4% | 0.828 | -0.355 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 180 | 0.25 | -24.7 | -24.4 | -34.4 | -26.9 |
| U_n | 380_775 | 19.77 | 17.99 | 6.4 | 0.447 | 0.407 | 18% | 0.828 | -0.355 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 180 | 1.0 | -0.4 | 0.0 | 0.0 | 0.0 |