

$XYZ_W=100.93, 100.0, 64.68$

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

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

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

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

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

$x_c = 0,110, B_c = 1,300$

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

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

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

$L^*_{TAr} = 50 + 50[e^x + e^{-x}] / [e^x + e^{-x}]$

$Y_r = Y/18, x = \log[Y_r]$

Lichtart P40, $Y_W = 54.0, Y_N = 6.0$

| 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^*_{TAr} | L^*_{TAr} | |
|----------------|---------|-------|-------|-------|-------|-------|-------------|-------------|--------|--------|-------|-------|-------|------------|------------|-------|-------------|-------------|-------------|-------------|-------|
| R _n | 573_775 | 35.77 | 23.17 | 3.51 | 0.572 | 0.371 | 1600 | 493 | 1.247 | -0.078 | 0.589 | 30.7 | 14.9 | 34.1 | 25 | 1.28 | 5.2 | 5.8 | 6.2 | 5.4 | |
| Y _n | 498_775 | 44.58 | 46.59 | 5.24 | 0.462 | 0.483 | 576 | 468 | 0.729 | -0.058 | 0.278 | 1.4 | 32.3 | 32.3 | 87 | 2.58 | 23.9 | 24.6 | 23.6 | 19.5 | |
| G _n | 498_573 | 14.26 | 28.81 | 5.22 | 0.295 | 0.596 | 540 | 40.31 | -0.094 | 0.473 | -29.2 | 17.4 | 34.0 | 149 | 1.6 | 10.6 | 11.2 | 11.6 | 10.0 | | |
| C _n | 380_573 | 18.72 | 30.82 | 31.41 | 0.231 | 0.38 | 493 | 600 | 0.318 | -0.529 | 0.443 | -30.7 | -14.9 | 34.1 | 205 | 1.71 | 12.3 | 12.9 | 13.3 | 11.4 | |
| B _n | 380_498 | 9.91 | 7.4 | 29.68 | 0.21 | 0.157 | 468 | 576 | 0.64 | -2.083 | 1.748 | -1.4 | -32.3 | 32.3 | 267 | 0.41 | -17.2 | -16.9 | -22.0 | -18.3 | |
| M _n | 573_498 | 40.24 | 25.18 | 29.7 | 0.423 | 0.264 | 540 | 1.182 | -0.613 | 0.541 | 29.2 | -17.4 | 34.0 | 329 | 1.39 | 7.2 | 7.8 | 8.3 | 7.2 | | |
| W _n | 380_775 | 54.5 | 54.0 | 34.93 | 0.379 | 0.376 | 54% | 0.717 | -0.336 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 0 | 3.0 | 28.4 | 29.2 | 27.3 | 22.1 | |
| N _n | 380_775 | 6.05 | 6.0 | 3.88 | 0.379 | 0.376 | 6% | 0.717 | -0.336 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 0 | 180 | 0.33 | -20.5 | -20.2 | -27.3 | -22.1 |
| U _n | 380_775 | 18.16 | 18.0 | 11.64 | 0.379 | 0.376 | 18% | 0.717 | -0.336 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 0 | 163 | 1.0 | -0.4 | 0.0 | 0.0 | 0.0 |

