

$XYZ_W=100.93, 100.0, 64.68$

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

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

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

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

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

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

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

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

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

$L^*_{Clr} = L^*_{CIE}(Y) / L^*_{CIE}(18)$

Lichtart P40, $Y_W=90.0, Y_N=3.6$

| 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 _n | 573_775 | 57.85 | 35.23 | 2.13 | 0.607 | 0.37 | 600 | 493 | 1.344 | -0.031 | 0.697 | 55.2 | 26.8 | 61.4 | 25 | 1.95 | 15.9 | 16.5 | 16.6 | 14.1 |
| Y _n | 498_775 | 73.71 | 77.38 | 5.25 | 0.471 | 0.494 | 576 | 468 | 0.73 | -0.035 | 0.301 | 2.5 | 58.2 | 58.3 | 87 | 4.29 | 40.4 | 41.4 | 36.2 | 28.0 |
| G _n | 498_573 | 19.12 | 45.39 | 5.21 | 0.274 | 0.65 | 540 | 540 | 0.252 | -0.059 | 0.54 | -52.7 | 31.3 | 61.3 | 149 | 2.52 | 23.1 | 23.8 | 22.9 | 19.0 |
| C _n | 380_573 | 27.17 | 49.0 | 52.36 | 0.211 | 0.381 | 493 | 600 | 0.265 | -0.555 | 0.501 | -55.2 | -26.8 | 61.4 | 205 | 2.72 | 25.4 | 26.2 | 24.8 | 20.4 |
| B _n | 380_498 | 11.31 | 6.85 | 49.24 | 0.167 | 0.101 | 468 | 576 | 0.568 | -3.733 | 3.4 | -2.5 | -58.2 | 58.3 | 267 | 0.38 | -18.5 | -18.1 | -23.9 | -19.8 |
| M _n | 573_498 | 65.89 | 38.84 | 49.27 | 0.427 | 0.252 | 540 | 540 | 1.26 | -0.659 | 0.631 | 52.7 | -31.3 | 61.3 | 329 | 2.15 | 18.6 | 19.3 | 19.1 | 16.1 |
| W _n | 380_775 | 90.83 | 90.0 | 58.22 | 0.379 | 0.376 | 90% | | 0.717 | -0.336 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 4.99 | 45.9 | 46.9 | 40.0 | 30.1 |
| N _n | 380_775 | 3.63 | 3.6 | 2.32 | 0.379 | 0.376 | 3% | | 0.717 | -0.336 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 0.19 | -27.6 | -27.4 | -40.0 | -30.1 |
| 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 | 1.0 | -0.4 | 0.0 | 0.0 | 0.0 |

