

$XYZ_W=100.93, 100.0, 64.68$

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

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

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

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

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

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

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

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

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

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

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

Illumin. P40, $Y_W=100.0, Y_N=0.1$

| Name | Range | 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 | 70.19 | 41.14 | 0.05 | 0.63 | 0.369600 | 493 | 1.408 | 0.0 | 0.768 | 71.0 | 34.5 | 79.0 | 25 | 2.28 | 20.2 | 20.9 | 20.5 | 17.2 | |
| Y_n | 498_775 | 90.58 | 95.34 | 4.06 | 0.476 | 0.501576 | 468 | 0.73 | -0.022 | 0.314 | 3.2 | 74.8 | 74.9 | 87 | 5.29 | 48.1 | 49.1 | 41.4 | 30.9 | |
| G_n | 498_573 | 20.4 | 54.21 | 4.02 | 0.259 | 0.689540 | 540 | 0.216 | -0.038 | 0.582 | -67.8 | 40.3 | 78.9 | 149 | 3.01 | 28.5 | 29.3 | 27.4 | 22.2 | |
| C_n | 380_573 | 30.74 | 58.86 | 64.64 | 0.199 | 0.381493 | 600 | 0.234 | -0.571 | 0.537 | -71.0 | -34.5 | 79.0 | 205 | 3.27 | 31.2 | 32.0 | 29.4 | 23.6 | |
| B_n | 380_498 | 10.35 | 4.66 | 60.62 | 0.136 | 0.061468 | 576 | 0.435 | -6.762 | 6.432 | -3.2 | -74.8 | 74.9 | 267 | 0.25 | -24.2 | -23.9 | -33.5 | -26.3 | |
| M_n | 573_498 | 80.53 | 45.79 | 60.67 | 0.43 | 0.244540 | 540 | 1.309 | -0.688 | 0.689 | 67.8 | -40.3 | 78.9 | 329 | 2.54 | 23.4 | 24.1 | 23.2 | 19.2 | |
| W_n | 380_775 | 100.93 | 100.0 | 64.68 | 0.379 | 0.376 | 100% | 0.717 | -0.336 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 5.55 | 50.0 | 51.0 | 42.6 | 31.5 | |
| N_d | 380_775 | 0.01 | 0.01 | 0.0 | 0.378 | 0.375 | 0% | 0.716 | -0.336 | 0.01 | 0.0 | 0.0 | 0.0 | 180 | 0.0 | -49.9 | -49.9 | -186.2 | -49.8 | |
| U_d | 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 | 166 | 1.0 | -0.4 | 0.0 | 0.0 | 0.0 | |

-74 Parameter:

L^*_{CIE} & name

$Y_r = Y/18,$

$L' = L^* - 50$

