

$XYZ_W=95.04, 100.0, 108.89$

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

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

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

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

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

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

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

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 D65, $Y_W = 54.0, Y_N = 6.0$

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_{CB}^* L_{Cb}^* L_{TAr}^* L_{TAr}^*

R_n 567_775 30.89 21.77 5.9 0.527 0.371596 489 1.122 -0.086 0.57 27.5 14.2 31.0 27 1.2 53.7 54.3 54.7 54.1

Y_n 493_775 38.44 46.11 8.79 0.411 0.493570 463 0.61 -0.061 0.287 -0.5 33.1 33.1 91 2.56 73.6 74.3 73.3 69.3

G_n 493_567 12.68 29.74 8.77 0.247 0.58 535 535d0.237 -0.094 0.456 -28.1 18.8 33.9 146 1.65 61.4 62.0 62.4 60.7

C_n 380_567 20.43 32.22 52.9 0.193 0.305489 596 0.273 -0.525 0.385 -27.5 -14.2 31.0 207 1.79 63.5 64.1 64.4 62.3

B_n 380_493 12.87 7.88 50.0 0.181 0.111463 570 0.646 -2.03 1.682 0.5 -33.1 33.1 271 0.43 33.7 34.0 29.4 32.7

M_n 567_493 38.63 24.25 50.02 0.342 0.214535c 535 1.08 -0.659 0.559 28.1 -18.8 33.9 326 1.34 56.3 56.9 57.4 56.4

W_d 380_775 51.32 54.0 58.8 0.312 0.329 54% 0.616 -0.348 0.01 0.0 0.0 0.0 0 3.0 78.4 79.2 77.3 72.1

N_d 380_775 5.7 6.0 6.53 0.312 0.329 6% 0.616 -0.348 0.01 0.0 0.0 0.0 178 0.33 29.4 29.7 22.6 27.8

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 0.0 180 1.0 49.5 50.0 50.0 50.0

