

$XYZ_W=109.84, 99.99, 35.58$

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

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

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

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

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

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

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

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,  $Y_W=90,0, Y_N=3,6$

| Name           | Bereich | X     | Y     | Z     | x     | y        | $\lambda_d$ | $\lambda_c$ | $a_2$  | $b_2$  | $c_2$ | $A_2$ | $B_2$ | $C_{AB,2}$ | $h_{AB,2}$ | $Y_r$ | $L^*_{CIE}$ | $L'_{CIE}$ | $L'_{TV}$ | $L'_{TAF}$ |
|----------------|---------|-------|-------|-------|-------|----------|-------------|-------------|--------|--------|-------|-------|-------|------------|------------|-------|-------------|------------|-----------|------------|
| R              | 579_775 | 65.67 | 36.68 | 1.18  | 0.634 | 0.354605 | 499         | 1.479       | -0.032 | 0.727  | 59.7  | 29.6  | 66.6  | 26         | 2.03       | 17.0  | 17.7        | 17.6       | 14.9      |            |
| Y <sub>n</sub> | 504_775 | 84.79 | 77.87 | 2.96  | 0.511 | 0.47     | 581         | 474         | 0.854  | -0.038 | 0.318 | 5.1   | 61.8  | 62.0       | 85         | 4.32  | 40.7        | 41.6       | 36.4      | 28.1       |
| G              | 504_579 | 22.67 | 44.42 | 2.93  | 0.323 | 0.634547 | 547         | 40.337      | -0.066 | 0.57   | -54.5 | 32.1  | 63.3  | 149        | 2.46       | 22.5  | 23.2        | 22.4       | 18.6      |            |
| C <sub>n</sub> | 380_579 | 26.86 | 47.55 | 28.79 | 0.26  | 0.46     | 499         | 605         | 0.326  | -0.605 | 0.561 | -59.7 | -29.6 | 66.6       | 206        | 2.64  | 24.5        | 25.2       | 24.1      | 19.9       |
| B              | 380_504 | 7.74  | 6.36  | 27.0  | 0.188 | 0.154474 | 581         | 0.505       | -4.241 | 3.898  | -5.1  | -61.8 | 62.0  | 265        | 0.35       | -19.6 | -19.3       | -25.8      | -21.1     |            |
| M              | 579_504 | 69.85 | 39.81 | 27.03 | 0.51  | 0.291547 | 547         | 1.376       | -0.679 | 0.636  | 54.5  | -32.1 | 63.3  | 329        | 2.21       | 19.3  | 20.0        | 19.7       | 16.5      |            |
| W <sub>d</sub> | 380_775 | 98.86 | 89.99 | 32.02 | 0.447 | 0.407    | 90%         | 0.828       | -0.355 | 0.01   | 0.0   | 0.0   | 0.0   | 0          | 4.99       | 45.9  | 46.9        | 40.0       | 30.1      |            |
| N <sub>d</sub> | 380_775 | 3.95  | 3.59  | 1.28  | 0.447 | 0.407    | 3%          | 0.828       | -0.355 | 0.01   | 0.0   | 0.0   | 0.0   | 0.0        | 181        | 0.19  | -27.6       | -27.4      | -40.0     | -30.1      |
| U <sub>d</sub> | 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   | 0.0        | 180        | 1.0   | -0.4        | 0.0        | 0.0       | 0.0        |