

$XYZ_W=96.42, 100.0, 82.49$

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

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

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

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

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

$x_c = 0,110, B_c = 1,000$

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

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

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

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

Lichtart D50,  $Y_W=100.0, Y_N=0.1$

| Name           | Bereich | X     | Y     | Z     | x     | y        | $\lambda_d$ | $\lambda_c$ | $a_2$  | $b_2$ | $c_2$ | $A_2$ | $B_2$ | $C_{AB,2}$ | $h_{AB,2}$ | $Y_r$ | $L^*_{CIE}$ | $L'_{Clr}$ | $L'_{Tur}$ | $L'_{Tar}$ |
|----------------|---------|-------|-------|-------|-------|----------|-------------|-------------|--------|-------|-------|-------|-------|------------|------------|-------|-------------|------------|------------|------------|
| R              | 570_775 | 64.89 | 39.99 | 0.05  | 0.618 | 0.381598 | 491         | 1.333       | 0.0    | 0.752 | 67.6  | 32.9  | 75.2  | 25         | 2.22       | 19.4  | 20.1        | 19.8       | 16.6       |            |
| Y <sub>n</sub> | 496_775 | 83.1  | 94.03 | 4.27  | 0.458 | 0.518573 | 468         | 0.671       | -0.018 | 0.312 | 3.3   | 73.3  | 73.3  | 87         | 5.22       | 47.6  | 48.6        | 41.0       | 30.7       |            |
| G              | 496_570 | 18.21 | 54.04 | 4.22  | 0.238 | 0.706538 | 538         | 0.181       | -0.031 | 0.562 | -64.3 | 40.3  | 75.9  | 147        | 3.0        | 28.4  | 29.2        | 27.3       | 22.2       |            |
| C <sub>n</sub> | 380_570 | 31.53 | 60.01 | 82.44 | 0.181 | 0.344491 | 598         | 0.206       | -0.549 | 0.501 | -67.6 | -32.9 | 75.2  | 205        | 3.33       | 31.8  | 32.6        | 29.9       | 23.9       |            |
| B              | 380_496 | 13.32 | 5.97  | 78.23 | 0.136 | 0.061468 | 573         | 0.434       | -5.235 | 4.91  | -3.3  | -73.3 | 73.3  | 267        | 0.33       | -20.6 | -20.3       | -27.3      | -22.2      |            |
| M              | 570_496 | 78.21 | 45.96 | 78.28 | 0.386 | 0.227538 | 538         | 1.217       | -0.681 | 0.66  | 64.3  | -40.3 | 75.9  | 327        | 2.55       | 23.5  | 24.2        | 23.3       | 19.3       |            |
| W <sub>d</sub> | 380_775 | 96.42 | 100.0 | 82.49 | 0.345 | 0.358    | 100%        | 0.657       | -0.329 | 0.01  | 0.0   | 0.0   | 0.0   | 0          | 5.55       | 50.0  | 51.0        | 42.6       | 31.5       |            |
| N <sub>d</sub> | 380_775 | 0.0   | 0.01  | 0.0   | 0.344 | 0.357    | 0%          | 0.656       | -0.329 | 0.01  | 0.0   | 0.0   | 0.0   | 0.0        | 180        | 0.0   | -49.9       | -49.9      | -186.2     | -49.8      |
| U <sub>d</sub> | 380_775 | 17.35 | 18.0  | 14.84 | 0.345 | 0.358    | 18%         | 0.657       | -0.329 | 0.01  | 0.0   | 0.0   | 0.0   | 0.0        | 180        | 1.0   | -0.4        | 0.0        | 0.0        | 0.0        |

