

$XYZ_W=96.42, 100.0, 82.49$

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

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

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

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

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

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

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

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

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

$L^*_{TAr} = 50 + 50[e^x + e^{-x}] / [e^x + e^{-x}]$

$Y_r = Y/18, x = \log[Y_r]$

Illumin. D50,  $Y_W=72.0, Y_N=4.5$

| Name           | Range   | X     | Y     | Z     | x     | y        | $\lambda_d$ | $\lambda_c$ | $a_2$  | $b_2$  | $c_2$ | $A_2$ | $B_2$ | $C_{AB,2}$ | $h_{AB,2}$ | $Y_r$ | $L^*_{CIE}$ | $L^*_{Clr}$ | $L^*_{TAr}$ | $L^*_{TAr}$ |
|----------------|---------|-------|-------|-------|-------|----------|-------------|-------------|--------|--------|-------|-------|-------|------------|------------|-------|-------------|-------------|-------------|-------------|
| R <sub>n</sub> | 570_775 | 43.32 | 28.34 | 3.37  | 0.577 | 0.377598 | 491         | 1.237       | -0.047 | 0.645  | 41.0  | 20.0  | 45.7  | 25         | 1.57       | 10.2  | 10.8        | 11.2        | 9.7         |             |
| Y <sub>n</sub> | 496_775 | 54.39 | 61.17 | 5.93  | 0.447 | 0.503573 | 468         | 0.67        | -0.038 | 0.291  | 2.0   | 44.5  | 44.5  | 87         | 3.39       | 32.4  | 33.3        | 30.4        | 24.3        |             |
| G <sub>n</sub> | 496_570 | 14.96 | 36.87 | 5.9   | 0.259 | 0.638538 | 538         | 0.233       | -0.064 | 0.5    | -39.0 | 24.5  | 46.1  | 147        | 2.04       | 17.1  | 17.8        | 17.8        | 15.0        |             |
| C <sub>n</sub> | 380_570 | 23.06 | 40.5  | 53.42 | 0.197 | 0.346491 | 598         | 0.251       | -0.527 | 0.451  | -41.0 | -20.0 | 45.7  | 205        | 2.25       | 19.8  | 20.5        | 20.1        | 16.9        |             |
| B <sub>n</sub> | 380_496 | 11.99 | 7.67  | 50.86 | 0.17  | 0.108468 | 573         | 0.552       | -2.65  | 2.323  | -2.0  | -44.5 | 44.5  | 267        | 0.42       | -16.6 | -16.3       | -21.1       | -17.7       |             |
| M <sub>n</sub> | 570_496 | 51.41 | 31.97 | 50.89 | 0.382 | 0.238538 | 538         | 1.146       | -0.636 | 0.577  | 39.0  | -24.5 | 46.1  | 327        | 1.77       | 13.3  | 13.9        | 14.2        | 12.2        |             |
| W <sub>n</sub> | 380_775 | 69.42 | 72.0  | 59.39 | 0.345 | 0.358    | 72%         |             | 0.657  | -0.329 | 0.01  | 0.0   | 0.0   | 0.0        | 0          | 4.0   | 37.9        | 38.8        | 34.4        | 26.9        |
| N <sub>d</sub> | 380_775 | 4.33  | 4.5   | 3.71  | 0.345 | 0.358    | 4%          |             | 0.657  | -0.329 | 0.01  | 0.0   | 0.0   | 0.0        | 180        | 0.25  | -24.7       | -24.4       | -34.4       | -26.9       |
| 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        | 192        | 1.0   | -0.4        | 0.0         | 0.0         | 0.0         |

