

# Ostwald-Daten $rgb^*$ , $XYZxy$ und $L^*ABCh_{AB2}$ im $L^*AB2JND$ -Farbraum

Normfarbwerte von Schwarz und Weiß:  $Y_{Nn}=40,3$ ,  $Y_{Wn}=94,8$ ,  $Y_{Wa}=88,6$ .

|       | $rgb^*_d$ | $L^*_d$ | $A_{2,d}$ | $B_{2,d}$ | $C_{AB2,d}$ | $h_{AB2,d}$ | $\Delta\lambda$ | $\lambda_d$ |
|-------|-----------|---------|-----------|-----------|-------------|-------------|-----------------|-------------|
| $R_d$ | 1 0 0     | 82      | 34        | 17        | 39          | 27          | 567_775         | 589         |
| $Y_d$ | 1 1 0     | 96      | 0         | 41        | 41          | 91          | 493_775         | 570         |
| $G_d$ | 0 1 0     | 87      | -35       | 23        | 42          | 146         | 493_567         | 535         |
| $C_d$ | 0 1 1     | 89      | -34       | -17       | 39          | 207         | 380_567         | 489         |
| $B_d$ | 0 0 1     | 71      | 0         | -41       | 41          | 271         | 380_493         | 463         |
| $M_d$ | 1 0 1     | 84      | 35        | -23       | 42          | 326         | 567_493         | 535c        |
| $N_d$ | 0 0 0     | 69      | 0         | 0         | 0           | 0           | 380_775         | -           |
| $W_d$ | 1 1 1     | 97      | 0         | 0         | 0           | 0           | 380_775         | -           |

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

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

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

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

$$A_2 = 2,5 (a_2 - a_{2,n}) Y \quad [1d]$$

$$B_2 = 2,5 B_c (b_2 - b_{2,n}) Y \quad [2d]$$

$$C_{AB2} = [ A_2^2 + B_2^2 ]^{0,5} \quad [3d]$$

$$h_{AB2} = \text{atan} [ B_2 / A_2 ] \quad [4d]$$

