

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

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

|       | $rgb^*_d$ | $L^*_d$ | $A_{2,d}$ | $B_{2,d}$ | $C_{AB2,d}$ | $h_{AB2,d}$ |
|-------|-----------|---------|-----------|-----------|-------------|-------------|
| $R_d$ | 1 0 0     | 82      | 30        | 17        | 34          | 29          |
| $Y_d$ | 1 1 0     | 91      | 10        | 34        | 35          | 73          |
| $G_d$ | 0 1 0     | 87      | -33       | 21        | 40          | 147         |
| $C_d$ | 0 1 1     | 86      | -30       | -17       | 34          | 209         |
| $B_d$ | 0 0 1     | 75      | -10       | -33       | 35          | 253         |
| $M_d$ | 1 0 1     | 80      | 33        | -21       | 40          | 327         |
| $N_d$ | 0 0 0     | 69      | 0         | 0         | 0           | 0           |
| $W_d$ | 1 1 1     | 95      | 0         | 0         | 0           | 0           |

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

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

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

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

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

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

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

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

