$XYZ_W$=100.93 , 100.0 , 64.68

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

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

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

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

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

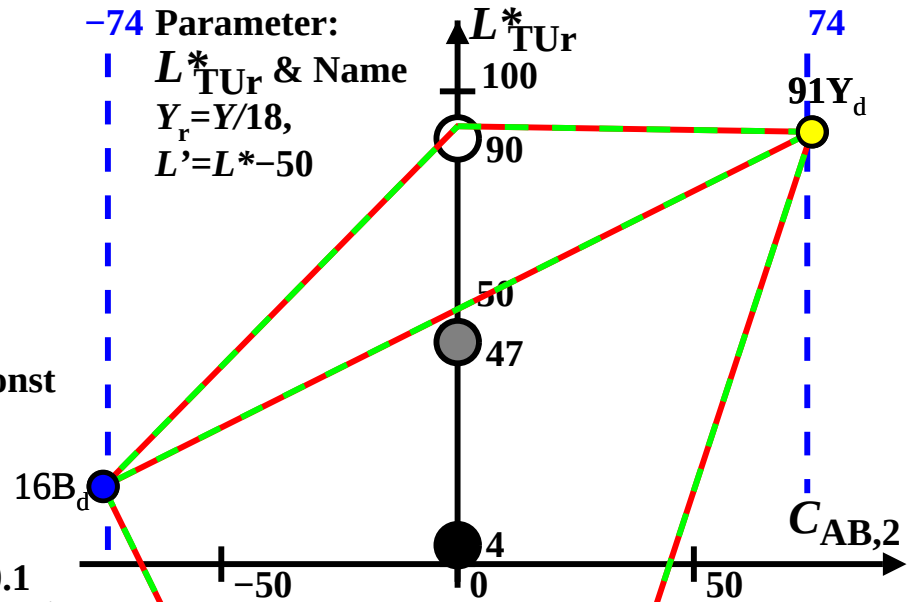
$x_c = 0{,}110,\ \ B_c = 1{,}300$

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

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

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

$L^*_{TUr}$=50 + 40[$Y_r$/log(5)]




Lichtart P40, $Y_W$=100.0 , $Y_N$=0.1

| Name | Bereich | $X$ | $Y$ | $Z$ | $x$ | $y$ | $\lambda_d$ | $\lambda_c$ | $a_2$ | $b_2$ | $c_2$ | $A_2$ | $B_2$ | $C_{AB,2}$ | $h_{AB,2}$ | $Y_r$ | $L^*_{CIE}$ | $L^*_{CIr}$ | $L^*_{TUr}$ | $L^*_{TAr}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $R_o$ | 573_775 | 70.19 | 41.14 | 0.05 | 0.63 | 0.369 | 600 | 493 | 1.408 | 0.0 | 0.768 | 71.0 | 34.5 | 79.0 | 25 | 2.28 | 70.2 | 70.9 | 70.5 | 67.2 |
| $Y_o$ | 498_775 | 90.58 | 95.34 | 4.06 | 0.476 | 0.501 | 576 | 468 | 0.73 | −0.022 | 0.314 | 3.2 | 74.8 | 74.9 | 87 | 5.29 | 98.1 | 99.1 | 91.4 | 80.9 |
| $G_o$ | 498_573 | 20.4 | 54.21 | 4.02 | 0.259 | 0.689 | 540 | 540c | 0.216 | −0.028 | 0.582 | −67.8 | 40.3 | 78.9 | 149 | 3.01 | 78.5 | 79.3 | 77.4 | 72.2 |
| $C_o$ | 380_573 | 30.74 | 58.86 | 64.64 | 0.199 | 0.381 | 493 | 600 | 0.234 | −0.571 | 0.537 | −71.0 | −34.5 | 79.0 | 205 | 3.27 | 81.2 | 82.0 | 79.4 | 73.6 |
| $B_o$ | 380_498 | 10.35 | 4.66 | 60.62 | 0.136 | 0.061 | 468 | 576 | 0.435 | −6.762 | 6.432 | −3.2 | −74.8 | 74.9 | 267 | 0.25 | 25.7 | 26.0 | 16.4 | 23.6 |
| $M_o$ | 573_498 | 80.53 | 45.79 | 60.67 | 0.43 | 0.244 | 540c | 540 | 1.309 | −0.688 | 0.689 | 67.8 | −40.3 | 78.9 | 329 | 2.54 | 73.4 | 74.1 | 73.2 | 69.2 |
| $W_d$ | 380_775 | 100.93 | 100.0 | 64.68 | 0.379 | 0.376 | 100% | | 0.717 | −0.336 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 5.55 | 100.0 | 101.0 | 92.6 | 81.5 |
| $N_d$ | 380_775 | 0.01 | 0.01 | 0.0 | 0.378 | 0.375 | 0% | | 0.716 | −0.336 | 0.01 | 0.0 | 0.0 | 0.0 | 180 | 0.0 | 0.0 | 0.0 | −136.2 | 0.1 |
| $U_d$ | 380_775 | 18.16 | 18.0 | 11.64 | 0.379 | 0.376 | 18% | | 0.717 | −0.336 | 0.01 | 0.0 | 0.0 | 0.0 | 166 | 1.0 | 49.5 | 50.0 | 50.0 | 50.0 |

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