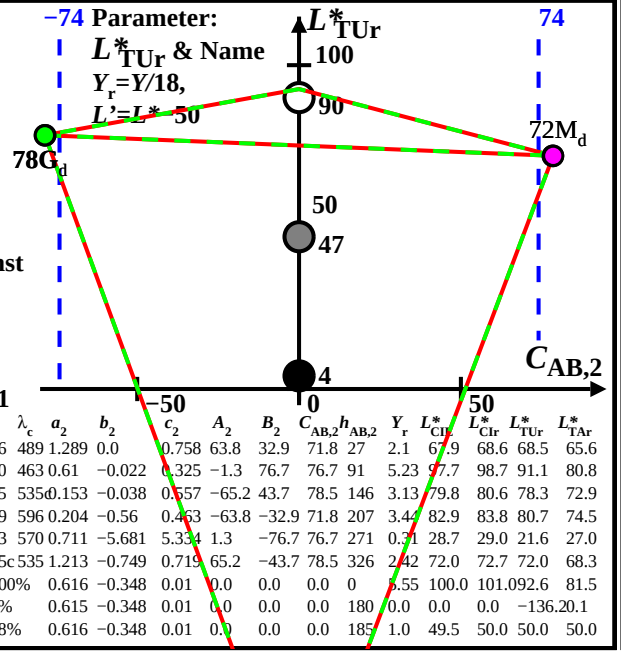
$XYZ_W$=95.04 , 100.0 , 108.89
$A_2$ = 2,5 ($a_2 - a_{2,n}$) $Y$
$B_2$ = 2,5 ($b_2 - b_{2,n}$) $Y$
$a_2 = a_{20}$ [ ( $x - x_c$ ) / $y$]
$b_2 = b_{20} B_c$ [ $z$ / $y$]
$a_{20}$ = 1, $b_{20}$ = −0,4
$x_c$ = 0,110, $B_c$ = 0,800
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, $L^*_{TUr}$)
$L^*_{TUr}=50 + 40[Y_r/\log(5)]$

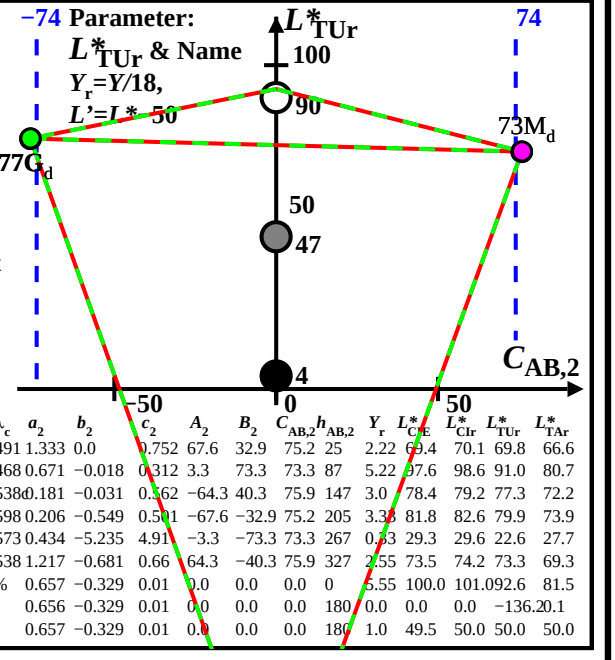



Lichtart D65, $Y_W$=100.0 , $Y_N$=0.1

| Name | Bereich | X | Y | Z | x | y | λd | λc | a2 | b2 | c2 | A2 | B2 | CAB,2 | hAB,2 | Yr | L*CIE | L*CIr | L*TUr | L*TAr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $R_o$ | 567_775 | 59.63 | 37.91 | 0.05 | 0.61 | 0.388 | 596 | 489 | 1.289 | 0.0 | 0.758 | 63.8 | 32.9 | 71.8 | 27 | 2.1 | 67.9 | 68.6 | 68.5 | 65.6 |
| $Y_o$ | 493_775 | 77.11 | 94.25 | 6.76 | 0.432 | 0.529 | 570 | 463 | 0.61 | −0.022 | 0.325 | −1.3 | 76.7 | 76.7 | 91 | 5.23 | 97.7 | 98.7 | 91.1 | 80.8 |
| $G_o$ | 493_567 | 17.49 | 56.35 | 6.71 | 0.217 | 0.699 | 535 | 535 | 0.153 | −0.038 | 0.557 | −65.2 | 43.7 | 78.5 | 146 | 3.13 | 79.8 | 80.6 | 78.3 | 72.9 |
| $C_o$ | 380_567 | 35.41 | 62.09 | 108.84 | 0.171 | 0.3 | 489 | 596 | 0.204 | −0.56 | 0.463 | −63.8 | −32.9 | 71.8 | 207 | 3.44 | 82.9 | 83.8 | 80.7 | 74.5 |
| $B_o$ | 380_493 | 17.93 | 5.75 | 102.14 | 0.142 | 0.045 | 463 | 570 | 0.711 | −5.681 | 5.334 | 1.3 | −76.7 | 76.7 | 271 | 0.31 | 28.7 | 29.0 | 21.6 | 27.0 |
| $M_o$ | 567_493 | 77.55 | 43.65 | 102.18 | 0.347 | 0.195 | 535c | 535 | 1.213 | −0.749 | 0.719 | 65.2 | −43.7 | 78.5 | 326 | 2.42 | 72.0 | 72.7 | 72.0 | 68.3 |
| $W_d$ | 380_775 | 95.04 | 100.0 | 108.89 | 0.312 | 0.329 | 100% | | 0.616 | −0.348 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 5.55 | 100.0 | 101.0 | 92.6 | 81.5 |
| $N_d$ | 380_775 | 0.0 | 0.01 | 0.01 | 0.311 | 0.327 | 0% | | 0.615 | −0.348 | 0.01 | 0.0 | 0.0 | 0.0 | 180 | 0.0 | 0.0 | 0.0 | −136.2 | 0.1 |
| $U_d$ | 380_775 | 17.1 | 18.0 | 19.6 | 0.312 | 0.329 | 18% | | 0.616 | −0.348 | 0.01 | 0.0 | 0.0 | 0.0 | 185 | 1.0 | 49.5 | 50.0 | 50.0 | 50.0 |

fgf80−1a

$XYZ_W$=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), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, $L^*_{TUr}$)
$L^*_{TUr}=50 + 40[Y_r/\log(5)]$

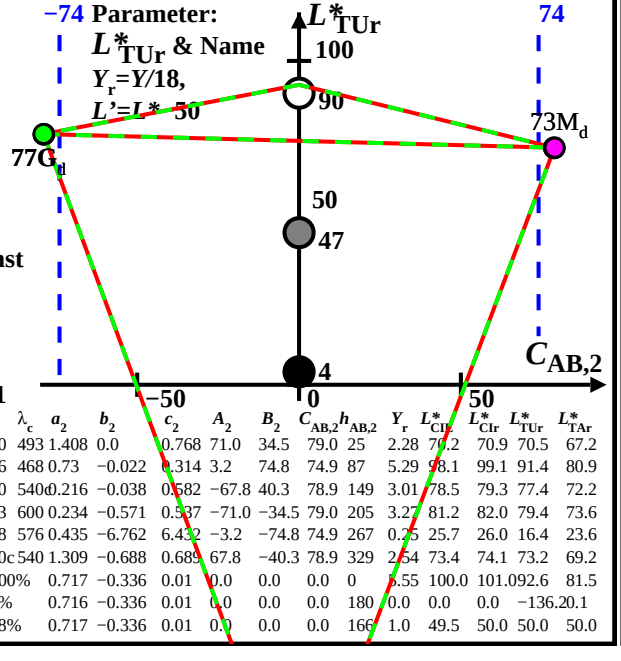



Lichtart D50, $Y_W$=100.0 , $Y_N$=0.1

| Name | Bereich | X | Y | Z | x | y | λd | λc | a2 | b2 | c2 | A2 | B2 | CAB,2 | hAB,2 | Yr | L*CIE | L*CIr | L*TUr | L*TAr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $R_o$ | 570_775 | 64.89 | 39.99 | 0.05 | 0.618 | 0.381 | 598 | 491 | 1.333 | 0.0 | 0.752 | 67.6 | 32.9 | 75.2 | 25 | 2.22 | 69.4 | 70.1 | 69.8 | 66.6 |
| $Y_o$ | 496_775 | 83.1 | 94.03 | 4.27 | 0.458 | 0.518 | 573 | 468 | 0.671 | −0.018 | 0.312 | 3.3 | 73.3 | 73.3 | 87 | 5.22 | 97.6 | 98.6 | 91.0 | 80.7 |
| $G_o$ | 496_570 | 18.21 | 54.04 | 4.22 | 0.238 | 0.706 | 538 | 538 | 0.181 | −0.031 | 0.362 | −64.3 | 40.3 | 75.9 | 147 | 3.0 | 78.4 | 79.2 | 77.3 | 72.2 |
| $C_o$ | 380_570 | 31.53 | 60.01 | 82.44 | 0.181 | 0.344 | 491 | 598 | 0.206 | −0.549 | 0.501 | −67.6 | −32.9 | 75.2 | 205 | 3.38 | 81.8 | 82.6 | 79.9 | 73.9 |
| $B_o$ | 380_496 | 13.32 | 5.97 | 78.23 | 0.136 | 0.061 | 468 | 573 | 0.434 | −5.235 | 4.911 | −3.3 | −73.3 | 73.3 | 267 | 0.63 | 29.3 | 29.6 | 22.6 | 27.7 |
| $M_o$ | 570_496 | 78.21 | 45.96 | 78.28 | 0.386 | 0.227 | 538c | 538 | 1.217 | −0.681 | 0.66 | 64.3 | −40.3 | 75.9 | 327 | 2.55 | 73.5 | 74.2 | 73.3 | 69.3 |
| $W_d$ | 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 | 100.0 | 101.0 | 92.6 | 81.5 |
| $N_d$ | 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 | 180 | 0.0 | 0.0 | 0.0 | −136.2 | 0.1 |
| $U_d$ | 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 | 180 | 1.0 | 49.5 | 50.0 | 50.0 | 50.0 |

fgf80−2a

$XYZ_W$=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 ($C_{AB,2}$, $L^*_{TUr}$)
$L^*_{TUr}=50 + 40[Y_r/\log(5)]$

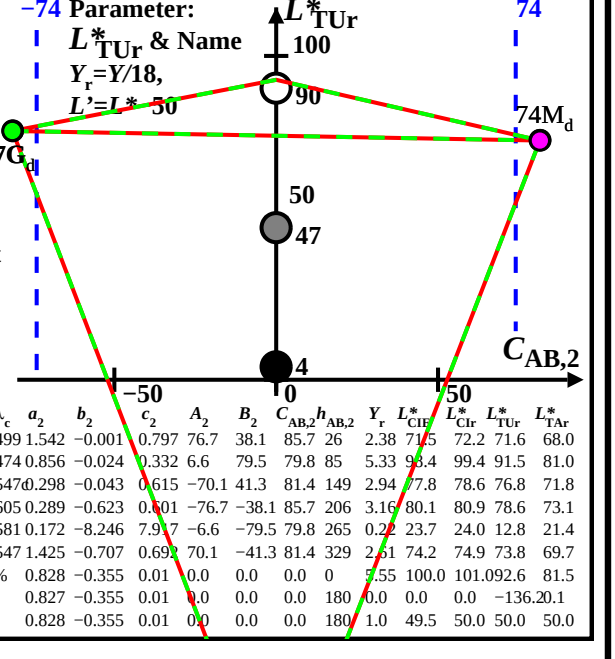



Lichtart P40, $Y_W$=100.0 , $Y_N$=0.1

| Name | Bereich | X | Y | Z | x | y | λd | λc | a2 | b2 | c2 | A2 | B2 | CAB,2 | hAB,2 | Yr | 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 | 540 | 0.216 | −0.038 | 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 |

fgf80−3a

$XYZ_W$=109.84 , 99.99 , 35.58
$A_2$ = 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, $B_c$ = 2,500
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, $L^*_{TUr}$)
$L^*_{TUr}=50 + 40[Y_r/\log(5)]$




Lichtart A00, $Y_W$=100.0 , $Y_N$=0.1

| Name | Bereich | X | Y | Z | x | y | λd | λc | a2 | b2 | c2 | A2 | B2 | CAB,2 | hAB,2 | Yr | L*CIE | L*CIr | L*TUr | L*TAr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $R_o$ | 579_775 | 79.88 | 43.01 | 0.04 | 0.649 | 0.349 | 605 | 499 | 1.542 | −0.001 | 0.797 | 76.7 | 38.1 | 85.7 | 26 | 2.38 | 71.5 | 72.2 | 71.6 | 68.0 |
| $Y_o$ | 504_775 | 104.4 | 95.97 | 2.33 | 0.515 | 0.473 | 581 | 474 | 0.856 | −0.024 | 0.332 | 6.6 | 79.5 | 79.8 | 85 | 5.33 | 98.4 | 99.4 | 91.5 | 81.0 |
| $G_o$ | 504_579 | 24.59 | 52.96 | 2.29 | 0.307 | 0.663 | 547 | 547 | 0.298 | −0.043 | 0.615 | −70.1 | 41.3 | 81.4 | 149 | 2.94 | 77.8 | 78.6 | 76.8 | 71.8 |
| $C_o$ | 380_579 | 29.97 | 56.99 | 35.54 | 0.244 | 0.465 | 499 | 605 | 0.289 | −0.623 | 0.601 | −76.7 | −38.1 | 85.7 | 206 | 3.16 | 80.1 | 80.9 | 78.6 | 73.1 |
| $B_o$ | 380_504 | 5.38 | 4.03 | 33.24 | 0.126 | 0.094 | 474 | 581 | 0.172 | −8.246 | 7.917 | −6.6 | −79.5 | 79.8 | 265 | 0.22 | 23.7 | 24.0 | 12.8 | 21.4 |
| $M_o$ | 579_504 | 85.26 | 47.04 | 33.28 | 0.514 | 0.284 | 547c | 547 | 1.425 | −0.707 | 0.692 | 70.1 | −41.3 | 81.4 | 329 | 2.61 | 74.2 | 74.9 | 73.8 | 69.7 |
| $W_d$ | 380_775 | 109.84 | 99.99 | 35.58 | 0.447 | 0.407 | 100% | | 0.828 | −0.355 | 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 | 0.0 | 0.0 | 0.445 | 0.405 | 0% | | 0.827 | −0.355 | 0.01 | 0.0 | 0.0 | 0.0 | 180 | 0.0 | 0.0 | 0.0 | −136.2 | 0.1 |
| $U_d$ | 380_775 | 19.77 | 17.99 | 6.4 | 0.447 | 0.407 | 18% | | 0.828 | −0.355 | 0.01 | 0.0 | 0.0 | 0.0 | 180 | 1.0 | 49.5 | 50.0 | 50.0 | 50.0 |

fgf80−4a

fgf80−7R_R