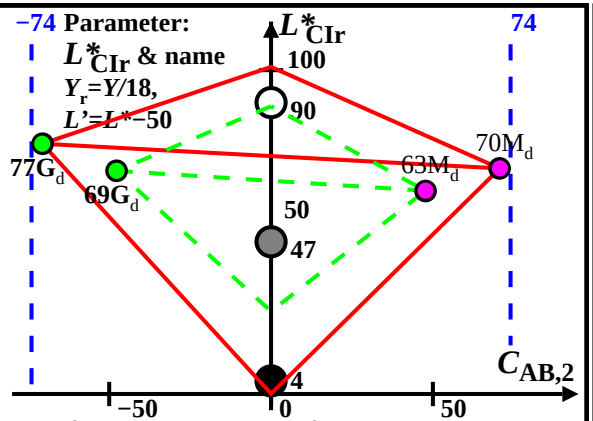
$XYZ_W$=95.04 , 100.0 , 108.89
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (\ x - x_c\ )\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ \ b_{20} = -0{,}4$
$x_c = 0{,}110,\ \ B_c = 0{,}800$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o), $C_{AB,2}$=const
colour space ($C_{AB,2}$, $L^*_{CIr}$)
$L^*_{CIr}=L^*_{CIE}(Y)\ /\ L^*_{CIE}(18)$

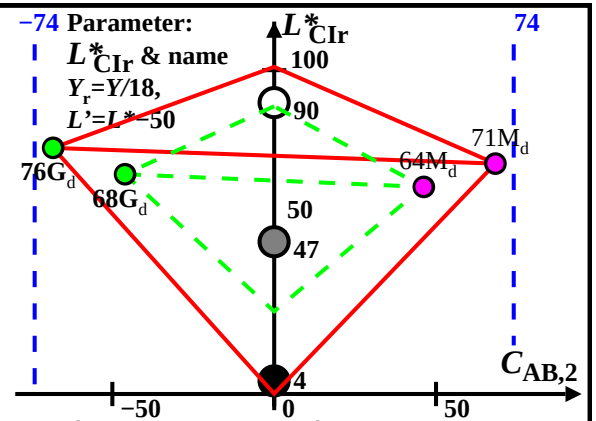



Illumin. D65, $Y_W$=72.0 , $Y_N$=4.5

| Name | Range | X | Y | Z | x | y | $\lambda_d$ | $\lambda_c$ | $a_2$ | $b_2$ | $c_2$ | $A_2$ | $B_2$ | $C_{AB,2}$ | $h_{AB,2}$ | $Y_r$ | $L^*_{CIE}$ | $L^*_{CIr}$ | $L^*_{TUr}$ | $L^*_{TAr}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $R_o$ | 567_775 | 40.07 | 27.07 | 4.43 | 0.559 | 0.378 | 596 | 489 | 1.189 | −0.052 | 0.645 | 38.7 | 20.0 | 43.6 | 27 | 1.5 | 59.0 | 59.6 | 60.1 | 58.7 |
| $Y_o$ | 493_775 | 50.69 | 61.31 | 8.51 | 0.42 | 0.508 | 570 | 463 | 0.61 | −0.044 | 0.304 | −0.8 | 46.6 | 46.6 | 91 | 3.4 | 82.5 | 83.3 | 80.4 | 74.3 |
| $G_o$ | 493_567 | 14.47 | 38.28 | 8.48 | 0.236 | 0.625 | 535 | 535c | 0.202 | −0.07 | 0.498 | −39.6 | 26.5 | 47.7 | 146 | 2.12 | 68.2 | 68.9 | 68.7 | 65.8 |
| $C_o$ | 380_567 | 25.36 | 41.77 | 70.53 | 0.184 | 0.303 | 489 | 596 | 0.244 | −0.54 | 0.418 | −38.7 | −20.0 | 43.6 | 207 | 2.32 | 70.7 | 71.4 | 70.9 | 67.5 |
| $B_o$ | 380_493 | 14.73 | 7.53 | 66.45 | 0.166 | 0.084 | 463 | 570 | 0.66 | −2.82 | 2.472 | 0.8 | −46.6 | 46.6 | 271 | 0.41 | 33.0 | 33.3 | 28.3 | 31.9 |
| $M_o$ | 567_493 | 50.96 | 30.56 | 66.48 | 0.344 | 0.206 | 535c | 535 | 1.134 | −0.696 | 0.624 | 39.6 | −26.5 | 47.7 | 326 | 1.69 | 62.1 | 62.7 | 63.1 | 61.3 |
| $W_d$ | 380_775 | 68.43 | 72.0 | 78.4 | 0.312 | 0.329 | 72% | | 0.616 | −0.348 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 4.0 | 87.9 | 88.8 | 84.4 | 76.9 |
| $N_d$ | 380_775 | 4.27 | 4.5 | 4.9 | 0.312 | 0.329 | 4% | | 0.616 | −0.348 | 0.01 | 0.0 | 0.0 | 0.0 | 180 | 0.25 | 25.2 | 25.5 | 15.5 | 23.0 |
| $U_d$ | 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 | 180 | 1.0 | 49.5 | 50.0 | 50.0 | 50.0 |

fef71−1a

$XYZ_W$=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* colours (o), $C_{AB,2}$=const
colour space ($C_{AB,2}$, $L^*_{CIr}$)
$L^*_{CIr}=L^*_{CIE}(Y)\ /\ L^*_{CIE}(18)$

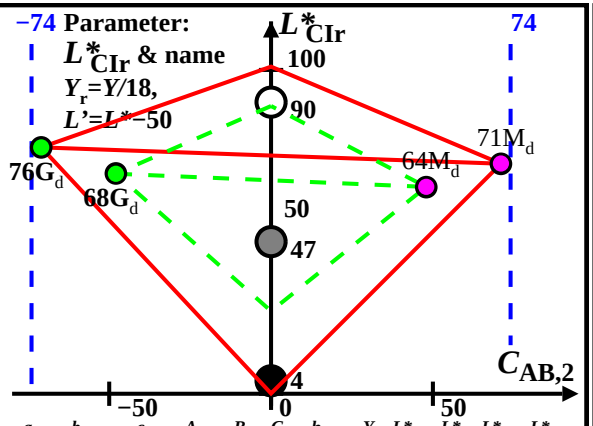



Illumin. D50, $Y_W$=72.0 , $Y_N$=4.5

| Name | Range | X | Y | Z | x | y | $\lambda_d$ | $\lambda_c$ | $a_2$ | $b_2$ | $c_2$ | $A_2$ | $B_2$ | $C_{AB,2}$ | $h_{AB,2}$ | $Y_r$ | $L^*_{CIE}$ | $L^*_{CIr}$ | $L^*_{TUr}$ | $L^*_{TAr}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $R_o$ | 570_775 | 43.32 | 28.34 | 3.37 | 0.577 | 0.377 | 598 | 491 | 1.237 | −0.047 | 0.645 | 41.0 | 20.0 | 45.7 | 25 | 1.57 | 60.2 | 60.8 | 61.2 | 59.7 |
| $Y_o$ | 496_775 | 54.39 | 61.17 | 5.93 | 0.447 | 0.503 | 573 | 468 | 0.67 | −0.038 | 0.291 | 2.0 | 44.5 | 44.5 | 87 | 3.39 | 82.4 | 83.3 | 80.4 | 74.3 |
| $G_o$ | 496_570 | 14.96 | 36.87 | 5.9 | 0.259 | 0.638 | 538 | 538c | 0.233 | −0.064 | 0.5 | −39.0 | 24.5 | 46.1 | 147 | 2.04 | 67.1 | 67.8 | 67.8 | 65.0 |
| $C_o$ | 380_570 | 23.06 | 40.5 | 53.42 | 0.197 | 0.346 | 491 | 598 | 0.251 | −0.527 | 0.451 | −41.0 | −20.0 | 45.7 | 205 | 2.25 | 69.8 | 70.5 | 70.1 | 66.9 |
| $B_o$ | 380_496 | 11.99 | 7.67 | 50.86 | 0.17 | 0.108 | 468 | 573 | 0.552 | −2.65 | 2.323 | −2.0 | −44.5 | 44.5 | 267 | 0.42 | 33.3 | 33.6 | 28.8 | 32.2 |
| $M_o$ | 570_496 | 51.41 | 31.97 | 50.89 | 0.382 | 0.238 | 538c | 538 | 1.146 | −0.636 | 0.577 | 39.0 | −24.5 | 46.1 | 327 | 1.77 | 63.3 | 63.9 | 64.2 | 62.2 |
| $W_d$ | 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 | 87.9 | 88.8 | 84.4 | 76.9 |
| $N_d$ | 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 | 25.2 | 25.5 | 15.5 | 23.0 |
| $U_d$ | 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 | 192 | 1.0 | 49.5 | 50.0 | 50.0 | 50.0 |

fef71−2a

$XYZ_W$=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* colours (o), $C_{AB,2}$=const
colour space ($C_{AB,2}$, $L^*_{CIr}$)
$L^*_{CIr}=L^*_{CIE}(Y)\ /\ L^*_{CIE}(18)$

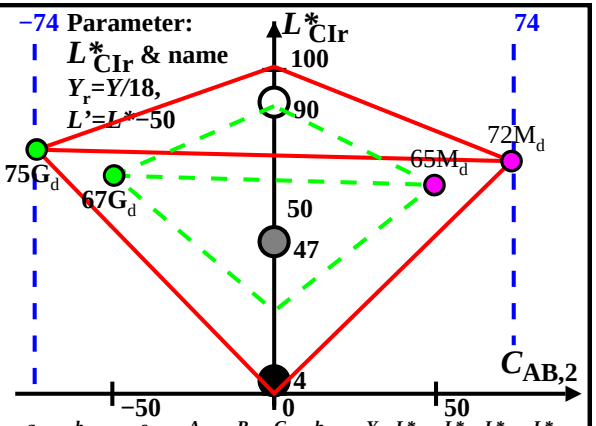



Illumin. P40, $Y_W$=72.0 , $Y_N$=4.5

| Name | Range | X | Y | Z | x | y | $\lambda_d$ | $\lambda_c$ | $a_2$ | $b_2$ | $c_2$ | $A_2$ | $B_2$ | $C_{AB,2}$ | $h_{AB,2}$ | $Y_r$ | $L^*_{CIE}$ | $L^*_{CIr}$ | $L^*_{TUr}$ | $L^*_{TAr}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $R_o$ | 573_775 | 46.72 | 29.04 | 2.64 | 0.595 | 0.37 | 600 | 493 | 1.311 | −0.047 | 0.661 | 43.1 | 20.9 | 48.0 | 25 | 1.61 | 60.8 | 61.4 | 61.8 | 60.2 |
| $Y_o$ | 498_775 | 59.11 | 61.97 | 5.08 | 0.468 | 0.491 | 576 | 468 | 0.729 | −0.042 | 0.294 | 1.9 | 45.5 | 45.5 | 87 | 3.44 | 82.9 | 83.7 | 80.7 | 74.5 |
| $G_o$ | 498_573 | 16.47 | 36.97 | 5.05 | 0.281 | 0.631 | 540 | 540c | 0.271 | −0.071 | 0.518 | −41.1 | 24.5 | 47.9 | 149 | 2.05 | 67.2 | 67.9 | 67.8 | 65.1 |
| $C_o$ | 380_573 | 22.76 | 39.8 | 41.89 | 0.217 | 0.381 | 493 | 600 | 0.283 | −0.547 | 0.482 | −43.1 | −20.9 | 48.0 | 205 | 2.21 | 69.3 | 70.0 | 69.7 | 66.5 |
| $B_o$ | 380_498 | 10.37 | 6.87 | 39.45 | 0.182 | 0.121 | 468 | 576 | 0.601 | −2.983 | 2.649 | −1.9 | −45.5 | 45.5 | 267 | 0.38 | 31.5 | 31.8 | 26.0 | 30.2 |
| $M_o$ | 573_498 | 53.01 | 31.87 | 39.47 | 0.426 | 0.256 | 540c | 540 | 1.234 | −0.644 | 0.601 | 41.1 | −24.5 | 47.9 | 329 | 1.77 | 63.2 | 63.8 | 64.1 | 62.1 |
| $W_d$ | 380_775 | 72.67 | 72.0 | 46.57 | 0.379 | 0.376 | 72% | | 0.717 | −0.336 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 4.0 | 87.9 | 88.8 | 84.4 | 76.9 |
| $N_d$ | 380_775 | 4.54 | 4.5 | 2.91 | 0.379 | 0.376 | 4% | | 0.717 | −0.336 | 0.01 | 0.0 | 0.0 | 0.0 | 180 | 0.25 | 25.2 | 25.5 | 15.5 | 23.0 |
| $U_d$ | 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 | 180 | 1.0 | 49.5 | 50.0 | 50.0 | 50.0 |

fef71−3a

$XYZ_W$=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* colours (o), $C_{AB,2}$=const
colour space ($C_{AB,2}$, $L^*_{CIr}$)
$L^*_{CIr}=L^*_{CIE}(Y)\ /\ L^*_{CIE}(18)$




Illumin. A00, $Y_W$=72.0 , $Y_N$=4.5

| Name | Range | X | Y | Z | x | y | $\lambda_d$ | $\lambda_c$ | $a_2$ | $b_2$ | $c_2$ | $A_2$ | $B_2$ | $C_{AB,2}$ | $h_{AB,2}$ | $Y_r$ | $L^*_{CIE}$ | $L^*_{CIr}$ | $L^*_{TUr}$ | $L^*_{TAr}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $R_o$ | 579_775 | 52.97 | 30.18 | 1.46 | 0.626 | 0.356 | 605 | 499 | 1.446 | −0.048 | 0.69 | 46.6 | 23.1 | 52.0 | 26 | 1.67 | 61.8 | 62.4 | 62.8 | 61.0 |
| $Y_o$ | 504_775 | 67.91 | 62.35 | 2.86 | 0.51 | 0.468 | 581 | 474 | 0.854 | −0.045 | 0.311 | 4.0 | 48.3 | 48.4 | 85 | 3.46 | 83.1 | 83.9 | 80.8 | 74.6 |
| $G_o$ | 504_579 | 19.38 | 36.22 | 2.83 | 0.331 | 0.619 | 547 | 547c | 0.357 | −0.078 | 0.546 | −42.6 | 25.1 | 49.4 | 149 | 2.01 | 66.6 | 67.3 | 67.3 | 64.7 |
| $C_o$ | 380_579 | 22.65 | 38.66 | 23.03 | 0.268 | 0.458 | 499 | 605 | 0.345 | −0.595 | 0.539 | −46.6 | −23.1 | 52.0 | 206 | 2.14 | 68.5 | 69.2 | 69.0 | 66.0 |
| $B_o$ | 380_504 | 7.71 | 6.49 | 21.63 | 0.215 | 0.181 | 474 | 581 | 0.581 | −3.332 | 2.986 | −4.0 | −48.3 | 48.4 | 265 | 0.36 | 30.6 | 30.9 | 24.6 | 29.2 |
| $M_o$ | 579_504 | 56.24 | 32.62 | 21.66 | 0.508 | 0.295 | 547c | 547 | 1.351 | −0.664 | 0.606 | 42.6 | −25.1 | 49.4 | 329 | 1.81 | 63.8 | 64.5 | 64.7 | 62.6 |
| $W_d$ | 380_775 | 79.09 | 71.99 | 25.61 | 0.447 | 0.407 | 72% | | 0.828 | −0.355 | 0.01 | 0.0 | 0.0 | 0.0 | 0 | 4.0 | 87.9 | 88.8 | 84.4 | 76.9 |
| $N_d$ | 380_775 | 4.94 | 4.49 | 1.6 | 0.447 | 0.407 | 4% | | 0.828 | −0.355 | 0.01 | 0.0 | 0.0 | 0.0 | 180 | 0.25 | 25.2 | 25.5 | 15.5 | 23.0 |
| $U_d$ | 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 |

fef71−4a

fef70−7R_R