

$XYZ_W = 95.04, 100.0, 108.89$

$A_2 = 2.5 (a_2 - a_{2,n}) Y$   
 $B_2 = 2.5 (b_2 - b_{2,n}) Y$   
 $a_2 = a_{20} [(x - x_c) / y]$   
 $b_2 = b_{20} B_c [z / y]$   
 $a_{20} = 1, b_{20} = -0.4$   
 $x_c = 0.110, B_c = 0.800$   
 $C_{AB,2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald colours (o),  $C_{AB,2} = \text{const}$

colour space ( $C_{AB,2}, L^*_{CIE}$ )

$L^*_{CIE} = 116(Y/100)^{1/3} - 16$  ( $\gamma > 0.8856$ ) or

$L^*_{CIE} = 116(841/108)(Y/100 + 4/29) - 16$

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

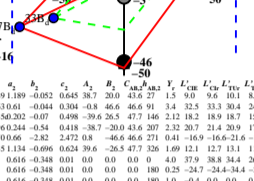
Name Range  $X$   $Y$   $Z$   $x_N$   $y_N$   $\lambda_c$   $\lambda_c$   $a_2$   $b_2$   $c_2$   $A_2$   $B_2$   $C_{AB,2}$   $L^*_{CIE}$   $L^*_c$   $L^*_o$   $L^*_{TU}$   $L^*_{TA}$

|   |         |       |       |       |       |       |     |       |        |        |       |       |       |      |      |      |       |       |       |       |
|---|---------|-------|-------|-------|-------|-------|-----|-------|--------|--------|-------|-------|-------|------|------|------|-------|-------|-------|-------|
| R | 567.775 | 40.07 | 27.07 | 4.43  | 0.559 | 0.378 | 896 | 489   | 1.189  | -0.052 | 0.645 | 38.7  | 20.0  | 43.6 | 27   | 1.5  | 9.0   | 9.6   | 10.1  | 8.7   |
| Y | 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 | 9.1  | 3.4  | 32.5  | 33.3  | 30.4  | 24.3  |
| G | 493.567 | 14.47 | 38.28 | 8.48  | 0.236 | 0.625 | 535 | 354   | 2.02   | -0.077 | -498  | -39.6 | 26.5  | 47   | 146  | 2.12 | 18.2  | 18.9  | 18.7  | 15.8  |
| C | 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 | 20.7 | 2.32 | 20.7  | 21.4  | 20.9  | 17.5  |
| B | 380.493 | 14.73 | 7.53  | 66.45 | 0.166 | 0.084 | 463 | 570   | 0.06   | -2.82  | 2.472 | 0.8   | -46.6 | 46.6 | 271  | 0.41 | -16.9 | -16.6 | -21.6 | -18.0 |
| M | 567.493 | 30.96 | 30.56 | 66.48 | 0.344 | 0.206 | 535 | 1334  | 1.134  | -0.696 | 0.624 | 39.6  | -26.5 | 47.7 | 326  | 1.69 | 12.1  | 12.7  | 13.1  | 11.3  |
| W | 380.775 | 68.43 | 72.0  | 78.8  | 0.312 | 0.329 | 72% | 0.616 | -0.348 | 0.01   | 0.0   | 0.0   | 0.0   | 0.0  | 37.9 | 38.8 | 34.4  | 26.9  |       |       |
| N | 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   | 0.0  | 180  | 0.25 | -24.7 | -24.4 | -34.4 | -26.9 |
| U | 380.775 | 18.1  | 18.0  | 19.6  | 0.312 | 0.329 | 18% | 0.616 | -0.348 | 0.01   | 0.0   | 0.0   | 0.0   | 0.0  | 180  | 1.0  | -0.4  | -0.4  | 0.0   | 0.0   |

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-74 Parameter:

$L^*_{CIE}$  & name  
 $Y_c = Y/18,$   
 $L' = L^* - 50$



$XYZ_W = 96.42, 100.0, 82.49$

$A_2 = 2.5 (a_2 - a_{2,n}) Y$   
 $B_2 = 2.5 (b_2 - b_{2,n}) Y$   
 $a_2 = a_{20} [(x - x_c) / y]$   
 $b_2 = b_{20} B_c [z / y]$   
 $a_{20} = 1, b_{20} = -0.4$   
 $x_c = 0.110, B_c = 1.000$   
 $C_{AB,2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald colours (o),  $C_{AB,2} = \text{const}$

colour space ( $C_{AB,2}, L^*_{CIE}$ )

$L^*_{CIE} = 116(Y/100)^{1/3} - 16$  ( $\gamma > 0.8856$ ) or

$L^*_{CIE} = 116(841/108)(Y/100 + 4/29) - 16$

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

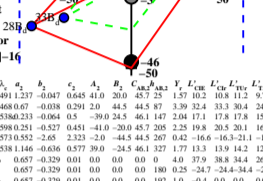
Name Range  $X$   $Y$   $Z$   $x_N$   $y_N$   $\lambda_c$   $\lambda_c$   $a_2$   $b_2$   $c_2$   $A_2$   $B_2$   $C_{AB,2}$   $L^*_{CIE}$   $L^*_c$   $L^*_o$   $L^*_{TU}$   $L^*_{TA}$

|   |         |       |       |       |       |       |     |       |        |        |       |       |       |      |      |      |       |       |       |       |
|---|---------|-------|-------|-------|-------|-------|-----|-------|--------|--------|-------|-------|-------|------|------|------|-------|-------|-------|-------|
| R | 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 | 10.2  | 10.8  | 11.2  | 9.7   |
| Y | 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 | 32.4  | 33.3  | 30.4  | 24.3  |
| G | 496.570 | 14.96 | 36.87 | 5.9   | 0.259 | 0.635 | 538 | 380   | 2.35   | -0.064 | 0.5   | -39.0 | 24.5  | 46.1 | 147  | 2.04 | 17.1  | 17.8  | 17.8  | 15.0  |
| C | 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 | 20.5 | 2.25 | 19.8  | 20.5  | 20.1  | 16.9  |
| B | 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 | -16.6 | -16.3 | -21.1 | -17.7 |
| M | 570.496 | 51.41 | 31.97 | 50.89 | 0.382 | 0.238 | 538 | 1146  | 1.146  | -0.636 | 0.577 | 39.0  | -24.5 | 46.1 | 327  | 1.77 | 13.3  | 13.9  | 14.2  | 12.2  |
| W | 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   | 0.0  | 37.9 | 38.8 | 34.4  | 26.9  |       |       |
| N | 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   | 0.0  | 180  | 0.25 | -24.7 | -24.4 | -34.4 | -26.9 |
| U | 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   | 0.0  | 192  | 1.0  | -0.4  | -0.4  | 0.0   | 0.0   |

fed11-2a

-74 Parameter:

$L^*_{CIE}$  & name  
 $Y_c = Y/18,$   
 $L' = L^* - 50$



$XYZ_W = 100.93, 100.0, 64.68$

$A_2 = 2.5 (a_2 - a_{2,n}) Y$   
 $B_2 = 2.5 (b_2 - b_{2,n}) Y$   
 $a_2 = a_{20} [(x - x_c) / y]$   
 $b_2 = b_{20} B_c [z / y]$   
 $a_{20} = 1, b_{20} = -0.4$   
 $x_c = 0.110, B_c = 1.300$   
 $C_{AB,2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald colours (o),  $C_{AB,2} = \text{const}$

colour space ( $C_{AB,2}, L^*_{CIE}$ )

$L^*_{CIE} = 116(Y/100)^{1/3} - 16$  ( $\gamma > 0.8856$ ) or

$L^*_{CIE} = 116(841/108)(Y/100 + 4/29) - 16$

Illumin. P40,  $Y_c = 72.0, Y_c = 4.5$

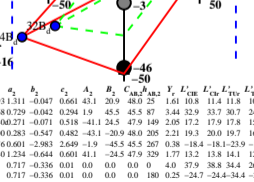
Name Range  $X$   $Y$   $Z$   $x_N$   $y_N$   $\lambda_c$   $\lambda_c$   $a_2$   $b_2$   $c_2$   $A_2$   $B_2$   $C_{AB,2}$   $L^*_{CIE}$   $L^*_c$   $L^*_o$   $L^*_{TU}$   $L^*_{TA}$

|   |         |       |       |       |       |       |     |       |        |        |       |       |       |      |      |      |       |       |       |       |
|---|---------|-------|-------|-------|-------|-------|-----|-------|--------|--------|-------|-------|-------|------|------|------|-------|-------|-------|-------|
| R | 573.775 | 46.72 | 29.04 | 2.64  | 0.595 | 0.370 | 400 | 493   | 1.311  | -0.047 | 0.661 | 43.1  | 20.9  | 48.0 | 25   | 1.61 | 10.8  | 11.4  | 11.8  | 10.2  |
| Y | 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 | 32.9  | 33.7  | 30.7  | 24.5  |
| C | 498.573 | 16.47 | 36.97 | 5.05  | 0.281 | 0.631 | 540 | 380   | 2.71   | -0.071 | 0.518 | -41.1 | 24.5  | 47.9 | 149  | 2.05 | 17.2  | 17.9  | 17.8  | 15.1  |
| B | 380.573 | 22.76 | 39.85 | 41.89 | 0.217 | 0.381 | 493 | 600   | 0.283  | -0.547 | 0.483 | -43.1 | -20.9 | 48.0 | 20.9 | 2.21 | 19.2  | 20.0  | 19.7  | 16.5  |
| M | 573.498 | 10.37 | 6.87  | 39.45 | 0.182 | 0.121 | 468 | 576   | 0.61   | -2.983 | 2.649 | -1.9  | -45.5 | 45.5 | 267  | 0.38 | -18.4 | -18.1 | -23.9 | -19.7 |
| W | 573.498 | 53.01 | 31.87 | 39.47 | 0.426 | 0.256 | 540 | 1234  | 1.234  | -0.644 | 0.601 | 41.1  | -24.5 | 47.9 | 329  | 1.77 | 13.2  | 13.8  | 14.1  | 12.1  |
| N | 380.775 | 7.67  | 72.0  | 46.57 | 0.379 | 0.376 | 72% | 0.717 | -0.336 | 0.01   | 0.0   | 0.0   | 0.0   | 0.0  | 37.9 | 38.8 | 34.4  | 26.9  |       |       |
| N | 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   | 0.0  | 180  | 0.25 | -24.7 | -24.4 | -34.4 | -26.9 |
| U | 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   | 0.0  | 180  | 1.0  | -0.4  | -0.4  | 0.0   | 0.0   |

fed11-3a

-74 Parameter:

$L^*_{CIE}$  & name  
 $Y_c = Y/18,$   
 $L' = L^* - 50$



$XYZ_W = 109.84, 99.99, 35.58$

$A_2 = 2.5 (a_2 - a_{2,n}) Y$   
 $B_2 = 2.5 (b_2 - b_{2,n}) Y$   
 $a_2 = a_{20} [(x - x_c) / y]$   
 $b_2 = b_{20} B_c [z / y]$   
 $a_{20} = 1, b_{20} = -0.4$   
 $x_c = 0.110, B_c = 2.500$   
 $C_{AB,2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald colours (o),  $C_{AB,2} = \text{const}$

colour space ( $C_{AB,2}, L^*_{CIE}$ )

$L^*_{CIE} = 116(Y/100)^{1/3} - 16$  ( $\gamma > 0.8856$ ) or

$L^*_{CIE} = 116(841/108)(Y/100 + 4/29) - 16$

Illumin. A00,  $Y_c = 72.0, Y_c = 4.5$

Name Range  $X$   $Y$   $Z$   $x_N$   $y_N$   $\lambda_c$   $\lambda_c$   $a_2$   $b_2$   $c_2$   $A_2$   $B_2$   $C_{AB,2}$   $L^*_{CIE}$   $L^*_c$   $L^*_o$   $L^*_{TU}$   $L^*_{TA}$

|   |         |       |       |       |       |       |     |       |        |        |       |       |       |      |      |      |       |       |       |       |
|---|---------|-------|-------|-------|-------|-------|-----|-------|--------|--------|-------|-------|-------|------|------|------|-------|-------|-------|-------|
| R | 579.775 | 52.97 | 30.18 | 1.46  | 0.626 | 0.356 | 605 | 499   | 1.446  | -0.048 | 0.609 | 46.6  | 23.1  | 52.0 | 26   | 1.67 | 11.2  | 12.4  | 12.8  | 11.0  |
| Y | 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   | 3.64 | 33.1  | 33.9  | 30.8  | 24.6  |
| G | 504.579 | 19.68 | 36.62 | 2.83  | 0.313 | 0.619 | 547 | 380   | 2.57   | -0.078 | 0.546 | -42.6 | 25.1  | 49.4 | 149  | 2.01 | 16.6  | 17.3  | 17.3  | 14.7  |
| B | 380.579 | 22.35 | 38.22 | 43.83 | 0.268 | 0.458 | 499 | 605   | 0.345  | -0.595 | 0.539 | -46.6 | -23.1 | 52.0 | 20.6 | 2.14 | 18.5  | 19.2  | 19.0  | 16.0  |
| M | 579.504 | 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 | -19.3 | -19.0 | -25.3 | -20.7 |
| W | 579.504 | 56.24 | 32.62 | 61.66 | 0.508 | 0.295 | 547 | 1351  | 1.351  | -0.664 | 0.606 | 42.6  | -25.1 | 49.4 | 329  | 1.81 | 13.8  | 14.5  | 14.7  | 12.6  |
| N | 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   | 0.0  | 37.9 | 38.8 | 34.4  | 26.9  |       |       |
| N | 380.775 | 4.54  | 4.5   | 1.61  | 0.447 | 0.407 | 4%  | 0.828 | -0.355 | 0.01   | 0.0   | 0.0   | 0.0   | 0.0  | 180  | 0.25 | -24.7 | -24.4 | -34.4 | -26.9 |
| U | 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   | 0.0  | 180  | 1.0  | -0.4  | -0.4  | 0.0   | 0.0   |

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fed10-7R\_R