

$XTX_{\lambda} = 95.04, 100.0, 108.89 \quad L^* = 60 \log\{f(Y_{an})\}$

$A_1 = 2.5(a_1 - a_2) Y$   
 $B_1 = 2.5 B_2 (b_2 - b_2) Y$   
 $a_1 = a_{20} [(x - x_c) / y]$   
 $b_1 = b_{20} [z / y]$   
 $a_{20} = 1, b_{20} = -0.4$   
 $x_c = 0.110, B_2 = 0.800$   
 $C_{AB} = [A_1^2 + B_1^2]^{1/2}$   
 6 Ostwald-Farben (o)  
 von maximalem (m)  $C_{AB}$   
 linearen Farberaum ( $C_{AB,2} Y$ )

Lichtart D65,  $Y_w = 100, Y_n = 25$

Name Bereich  $Y_1 \quad Y_2 \quad Y_3 \quad Y_4 \quad Y_5 \quad Y_6$   
 R<sub>1</sub> 507.775 63.15 27.26 0.587 0.581 591 409  
 Y<sub>1</sub> 496.775 81.63 95.72 32.39 0.3892 0.4563 570 463  
 C<sub>1</sub> 493.567 36.95 67.33 23.74 0.204 0.427 535 536  
 C<sub>2</sub> 380.570 47.92 70.22 108.89 0.2182 0.3101 493 398  
 M<sub>1</sub> 390.493 37.92 55.82 103.62 0.2196 0.1724 465 570  
 M<sub>2</sub> 507.493 81.96 100.0 108.89 0.321 0.2732 535 536  
 W<sub>1</sub> 380.775 95.04 50.0 108.89 0.3127 0.329 100%  
 N<sub>1</sub> 380.775 23.76 25.0 27.22 0.3127 0.329 25%  
 Z<sub>1</sub> 380.775 17.18 18.0 18.0 0.3127 0.329 18%

$f(Y_{an}) = \pm[1+10|Y|^{-1}]$

n nähert sich 1 für:  
 1. abnehmendem Kontrast C  
 2. aneinandergrenzende / separate Farben.

Parameter:  
 Y & Name  
 Lichtart D65  
 $Y_w = 100, Y_n = 25$

$XTX_{\lambda} = 96.42, 100.0, 82.49 \quad L^* = 60 \log\{f(Y_{an})\}$

$A_1 = 2.5(a_1 - a_2) Y$   
 $B_1 = 2.5 B_2 (b_2 - b_2) Y$   
 $a_1 = a_{20} [(x - x_c) / y]$   
 $b_1 = b_{20} [z / y]$   
 $a_{20} = 1, b_{20} = -0.4$   
 $x_c = 0.110, B_2 = 1.000$   
 $C_{AB} = [A_1^2 + B_1^2]^{1/2}$   
 6 Ostwald-Farben (o)  
 von maximalem (m)  $C_{AB}$   
 linearen Farberaum ( $C_{AB,2} Y$ )

Lichtart D50,  $Y_w = 100, Y_n = 25$

Name Bereich  $Y_1 \quad Y_2 \quad Y_3 \quad Y_4 \quad Y_5 \quad Y_6$   
 R<sub>1</sub> 496.775 82.42 87.32 32.39 0.4899 0.704 596 491  
 Y<sub>1</sub> 496.775 86.45 95.55 23.9 0.4199 0.464 573 468  
 C<sub>1</sub> 496.570 37.84 65.28 23.86 0.2973 0.5152 538 536  
 C<sub>2</sub> 380.570 47.82 70.06 82.49 0.2380 0.3496 491 398  
 M<sub>1</sub> 390.493 37.92 55.82 103.62 0.2196 0.1724 465 570  
 M<sub>2</sub> 570.496 82.51 95.93 92.93 0.3734 0.2685 538 538  
 W<sub>1</sub> 380.775 96.42 100.0 82.49 0.3457 0.3585 100%  
 N<sub>1</sub> 380.775 24.1 25.0 26.02 0.3457 0.3585 25%  
 Z<sub>1</sub> 380.775 17.35 18.0 18.44 0.3457 0.3585 18%

$f(Y_{an}) = \pm[1+10|Y|^{-1}]$

n nähert sich 1 für:  
 1. abnehmendem Kontrast C  
 2. aneinandergrenzende / separate Farben.

Parameter:  
 Y & Name  
 Lichtart D50  
 $Y_w = 100, Y_n = 25$

$XTX_{\lambda} = 100.93, 100.0, 64.68 \quad L^* = 60 \log\{f(Y_{an})\}$

$A_1 = 2.5(a_1 - a_2) Y$   
 $B_1 = 2.5 B_2 (b_2 - b_2) Y$   
 $a_1 = a_{20} [(x - x_c) / y]$   
 $b_1 = b_{20} [z / y]$   
 $a_{20} = 1, b_{20} = -0.4$   
 $x_c = 0.110, B_2 = 1.300$   
 $C_{AB} = [A_1^2 + B_1^2]^{1/2}$   
 6 Ostwald-Farben (o)  
 von maximalem (m)  $C_{AB}$   
 linearen Farberaum ( $C_{AB,2} Y$ )

Lichtart P40,  $Y_w = 100, Y_n = 25$

Name Bereich  $Y_1 \quad Y_2 \quad Y_3 \quad Y_4 \quad Y_5 \quad Y_6$   
 R<sub>1</sub> 572.775 72.73 55.51 20.38 0.539 0.2179 598 409  
 Y<sub>1</sub> 498.775 83.2 96.53 19.27 0.4459 0.4618 576 468  
 C<sub>1</sub> 498.573 40.61 69.19 24.14 0.3234 0.5233 540 546  
 C<sub>2</sub> 380.573 48.36 69.19 64.67 0.2654 0.3797 493 405  
 M<sub>1</sub> 390.493 33.08 25.16 64.67 0.2682 0.2137 468 576  
 M<sub>2</sub> 572.775 498.45 87.67 99.61 0.4143 0.2873 540 546  
 W<sub>1</sub> 380.775 100.93 100.0 64.68 0.3799 0.3764 100%  
 N<sub>1</sub> 380.775 23.25 25.0 16.17 0.3799 0.3764 25%  
 Z<sub>1</sub> 380.775 18.16 18.0 11.64 0.3799 0.3764 18%

$f(Y_{an}) = \pm[1+10|Y|^{-1}]$

n nähert sich 1 für:  
 1. abnehmendem Kontrast C  
 2. aneinandergrenzende / separate Farben.

Parameter:  
 Y & Name  
 Lichtart P40  
 $Y_w = 100, Y_n = 25$

$XTX_{\lambda} = 109.84, 99.99, 35.58 \quad L^* = 60 \log\{f(Y_{an})\}$

$A_1 = 2.5(a_1 - a_2) Y$   
 $B_1 = 2.5 B_2 (b_2 - b_2) Y$   
 $a_1 = a_{20} [(x - x_c) / y]$   
 $b_1 = b_{20} [z / y]$   
 $a_{20} = 1, b_{20} = -0.4$   
 $x_c = 0.110, B_2 = 2.500$   
 $C_{AB} = [A_1^2 + B_1^2]^{1/2}$   
 6 Ostwald-Farben (o)  
 von maximalem (m)  $C_{AB}$   
 linearen Farberaum ( $C_{AB,2} Y$ )

Lichtart A00,  $Y_w = 100, Y_n = 25$

Name Bereich  $Y_1 \quad Y_2 \quad Y_3 \quad Y_4 \quad Y_5 \quad Y_6$   
 R<sub>1</sub> 497.775 82.42 87.32 32.39 0.5607 0.5259 609 499  
 Y<sub>1</sub> 504.775 105.8497 0.1 10.68 0.4956 0.4543 581 474  
 C<sub>1</sub> 504.579 45.99 64.78 10.68 0.3787 0.5335 547 547  
 C<sub>2</sub> 380.579 50.02 67.79 35.56 0.3261 0.442 499 605  
 M<sub>1</sub> 390.584 31.6 28.11 33.84 0.3377 0.3034 474 501  
 M<sub>2</sub> 579.504 91.45 60.34 33.87 0.4925 0.3249 547 547  
 W<sub>1</sub> 380.775 109.8499 99.99 35.58 0.4475 0.4074 100%  
 N<sub>1</sub> 380.775 27.46 23.99 8.89 0.4475 0.4074 25%  
 Z<sub>1</sub> 380.775 19.77 17.99 6.4 0.4475 0.4074 18%

$f(Y_{an}) = \pm[1+10|Y|^{-1}]$

n nähert sich 1 für:  
 1. abnehmendem Kontrast C  
 2. aneinandergrenzende / separate Farben.

Parameter:  
 Y & Name  
 Lichtart A00  
 $Y_w = 100, Y_n = 25$

$XTX_{\lambda} = 100.0, 100.0, 100.0 \quad L^* = 60 \log\{f(Y_{an})\}$

$A_1 = 2.5(a_1 - a_2) Y$   
 $B_1 = 2.5 B_2 (b_2 - b_2) Y$   
 $a_1 = a_{20} [(x - x_c) / y]$   
 $b_1 = b_{20} [z / y]$   
 $a_{20} = 1, b_{20} = -0.4$   
 $x_c = 0.110, B_2 = 0.900$   
 $C_{AB} = [A_1^2 + B_1^2]^{1/2}$   
 6 Ostwald-Farben (o)  
 von maximalem (m)  $C_{AB}$   
 linearen Farberaum ( $C_{AB,2} Y$ )

Lichtart E00,  $Y_w = 100, Y_n = 25$

Name Bereich  $Y_1 \quad Y_2 \quad Y_3 \quad Y_4 \quad Y_5 \quad Y_6$   
 R<sub>1</sub> 507.775 74.14 55.25 23.25 0.5794 0.5759 598 409  
 Y<sub>1</sub> 494.775 87.55 96.13 29.6 0.4105 0.4507 573 463  
 C<sub>1</sub> 494.570 38.51 68.88 29.56 0.2875 0.4918 536 536  
 C<sub>2</sub> 380.570 50.98 69.77 99.98 0.2309 0.316 499 508  
 M<sub>1</sub> 390.493 37.56 28.98 95.52 0.2317 0.1788 463 573  
 M<sub>2</sub> 570.496 86.4 99.28 95.56 0.2887 0.2653 536 536  
 W<sub>1</sub> 380.775 100.0 100.0 100.0 0.3333 0.3333 100%  
 N<sub>1</sub> 380.775 25.0 25.0 25.0 0.3333 0.3333 25%  
 Z<sub>1</sub> 380.775 18.0 18.0 18.0 0.3333 0.3333 18%

$f(Y_{an}) = \pm[1+10|Y|^{-1}]$

n nähert sich 1 für:  
 1. abnehmendem Kontrast C  
 2. aneinandergrenzende / separate Farben.

Parameter:  
 Y & Name  
 Lichtart E00  
 $Y_w = 100, Y_n = 25$

$XTX_{\lambda} = 98.07, 100.0, 118.22 \quad L^* = 60 \log\{f(Y_{an})\}$

$A_1 = 2.5(a_1 - a_2) Y$   
 $B_1 = 2.5 B_2 (b_2 - b_2) Y$   
 $a_1 = a_{20} [(x - x_c) / y]$   
 $b_1 = b_{20} [z / y]$   
 $a_{20} = 1, b_{20} = -0.4$   
 $x_c = 0.110, B_2 = 0.700$   
 $C_{AB} = [A_1^2 + B_1^2]^{1/2}$   
 6 Ostwald-Farben (o)  
 von maximalem (m)  $C_{AB}$   
 linearen Farberaum ( $C_{AB,2} Y$ )

Lichtart C00,  $Y_w = 100, Y_n = 25$

Name Bereich  $Y_1 \quad Y_2 \quad Y_3 \quad Y_4 \quad Y_5 \quad Y_6$   
 R<sub>1</sub> 507.775 70.5 54.58 23.25 0.6259 0.5313 596 491  
 Y<sub>1</sub> 492.775 83.38 95.54 34.86 0.3 0.4468 571 463  
 C<sub>1</sub> 492.567 37.54 66.15 34.83 0.2709 0.4753 535 536  
 C<sub>2</sub> 380.567 52.25 60.63 118.22 0.2167 0.2929 487 596  
 M<sub>1</sub> 390.492 39.32 29.58 113.06 0.2161 0.1625 463 571  
 M<sub>2</sub> 492.862 81.47 88.96 113.09 0.3311 0.2292 536 536  
 W<sub>1</sub> 380.775 98.07 100.0 118.22 0.31 0.3161 100%  
 N<sub>1</sub> 380.775 24.51 25.0 29.53 0.31 0.3161 25%  
 Z<sub>1</sub> 380.775 17.65 18.0 21.26 0.31 0.3161 18%

$f(Y_{an}) = \pm[1+10|Y|^{-1}]$

n nähert sich 1 für:  
 1. abnehmendem Kontrast C  
 2. aneinandergrenzende / separate Farben.

Parameter:  
 Y & Name  
 Lichtart C00  
 $Y_w = 100, Y_n = 25$

$XTX_{\lambda} = 102.06, 100.0, 81.06 \quad L^* = 60 \log\{f(Y_{an})\}$

$A_1 = 2.5(a_1 - a_2) Y$   
 $B_1 = 2.5 B_2 (b_2 - b_2) Y$   
 $a_1 = a_{20} [(x - x_c) / y]$   
 $b_1 = b_{20} [z / y]$   
 $a_{20} = 1, b_{20} = -0.4$   
 $x_c = 0.110, B_2 = 1.000$   
 $C_{AB} = [A_1^2 + B_1^2]^{1/2}$   
 6 Ostwald-Farben (o)  
 von maximalem (m)  $C_{AB}$   
 linearen Farberaum ( $C_{AB,2} Y$ )

Lichtart P00,  $Y_w = 100, Y_n = 25$

Name Bereich  $Y_1 \quad Y_2 \quad Y_3 \quad Y_4 \quad Y_5 \quad Y_6$   
 R<sub>1</sub> 572.775 77.7 55.51 20.38 0.539 0.2179 598 409  
 Y<sub>1</sub> 492.775 87.55 96.13 29.6 0.4105 0.4507 573 463  
 C<sub>1</sub> 496.572 40.4 64.47 23.24 0.3129 0.507 541 546  
 C<sub>2</sub> 380.572 50.4 69.61 81.06 0.2506 0.3462 491 508  
 M<sub>1</sub> 390.496 35.61 29.42 78.15 0.249 0.2044 467 575  
 M<sub>2</sub> 572.496 87.1 99.67 78.18 0.2877 0.2649 541 541  
 W<sub>1</sub> 380.775 102.06 100.0 81.06 0.3604 0.3331 100%  
 N<sub>1</sub> 380.775 25.51 25.0 20.26 0.3604 0.3331 25%  
 Z<sub>1</sub> 380.775 18.37 18.0 14.59 0.3604 0.3331 18%

$f(Y_{an}) = \pm[1+10|Y|^{-1}]$

n nähert sich 1 für:  
 1. abnehmendem Kontrast C  
 2. aneinandergrenzende / separate Farben.

Parameter:  
 Y & Name  
 Lichtart P00  
 $Y_w = 100, Y_n = 25$

$XTX_{\lambda} = 97.93, 100.0, 118.95 \quad L^* = 60 \log\{f(Y_{an})\}$

$A_1 = 2.5(a_1 - a_2) Y$   
 $B_1 = 2.5 B_2 (b_2 - b_2) Y$   
 $a_1 = a_{20} [(x - x_c) / y]$   
 $b_1 = b_{20} [z / y]$   
 $a_{20} = 1, b_{20} = -0.4$   
 $x_c = 0.110, B_2 = 0.700$   
 $C_{AB} = [A_1^2 + B_1^2]^{1/2}$   
 6 Ostwald-Farben (o)  
 von maximalem (m)  $C_{AB}$   
 linearen Farberaum ( $C_{AB,2} Y$ )

Lichtart Q00,  $Y_w = 100, Y_n = 25$

Name Bereich  $Y_1 \quad Y_2 \quad Y_3 \quad Y_4 \quad Y_5 \quad Y_6$   
 R<sub>1</sub> 507.775 70.5 54.58 23.25 0.6259 0.5313 596 491  
 Y<sub>1</sub> 492.775 83.38 95.54 34.86 0.388 0.4479 570 462  
 C<sub>1</sub> 492.567 37.29 66.65 34.86 0.2683 0.4794 535 536  
 C<sub>2</sub> 380.567 52.25 60.63 118.94 0.2159 0.2927 487 596  
 M<sub>1</sub> 390.492 39.55 29.32 113.74 0.2165 0.1605 462 570  
 M<sub>2</sub> 492.862 81.47 88.96 113.74 0.3311 0.2271 536 536  
 W<sub>1</sub> 380.775 97.93 100.0 118.95 0.309 0.3155 100%  
 N<sub>1</sub> 380.775 24.48 25.0 29.73 0.309 0.3155 25%  
 Z<sub>1</sub> 380.775 17.62 18.0 21.41 0.309 0.3155 18%

$f(Y_{an}) = \pm[1+10|Y|^{-1}]$

n nähert sich 1 für:  
 1. abnehmendem Kontrast C  
 2. aneinandergrenzende / separate Farben.

Parameter:  
 Y & Name  
 Lichtart Q00  
 $Y_w = 100, Y_n = 25$