

XTZ=97.06, 99.99, 104.57

$$A_1 = 2.5(a_1 - a_2) Y$$

$$B_1 = 2.5 B_2 (b_2 - b_1) Y$$

$$a_1 = a_{20} [(x - x_c) / y]$$

$$b_1 = b_{20} [z / y]$$

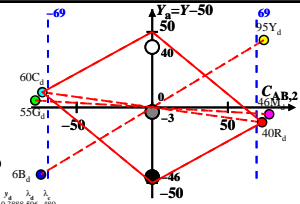
$$a_{20} = 1, b_{20} = -0.4$$

$$x_c = 0.110, B_2 = 0.800$$

$$C_{AB} = [A_1^2 + B_1^2]^{1/2}$$

6 Oswald colours (o)  
 of maximum (m)  $C_{AB}$  in  
 linear colour space ( $C_{AB,2} Y$ )

Illumin. P60,  $Y_W=100, Y_N=0$   
 Name Range  $x_1$   $y_1$   $z_1$   $x_2$   $y_2$   $z_2$   $a_{20}$   $b_{20}$   $x_c$   $B_2$   
 R<sub>1</sub> 509.775 62.81 40.12 0.126 0.4086 0.8888 996.499  
 Y<sub>1</sub> 494.775 79.75 94.58 6.61 0.4407 0.5227 571.463  
 G<sub>1</sub> 494.568 17.12 54.66 6.56 0.2186 0.6976 535.536  
 C<sub>1</sub> 380.568 34.44 40.07 104.570 173.1 30.018 489.996  
 M<sub>1</sub> 380.494 17.23 36.25 98.17 0.1443 0.662 603.871  
 M<sub>2</sub> 506.494 80.13 45.53 98.22 0.8759 0.2033 535.535  
 W<sub>1</sub> 380.775 97.45 106.99 104.570 173.2 0.3315 1000  
 N<sub>1</sub> 380.775 0.09 0.09 0.1 0.216 0.3314 0.0  
 Z<sub>1</sub> 380.775 17.47 17.99 18.82 0.3218 0.3315 188



Parameter:  
 Y & Name  
 Illuminant P60  
 $Y_W=100, Y_N=0$

XTZ=97.45, 100.0, 95.88

$$A_1 = 2.5(a_1 - a_2) Y$$

$$B_1 = 2.5 B_2 (b_2 - b_1) Y$$

$$a_1 = a_{20} [(x - x_c) / y]$$

$$b_1 = b_{20} [z / y]$$

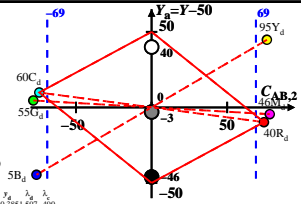
$$a_{20} = 1, b_{20} = -0.4$$

$$x_c = 0.110, B_2 = 0.900$$

$$C_{AB} = [A_1^2 + B_1^2]^{1/2}$$

6 Oswald colours (o)  
 of maximum (m)  $C_{AB}$  in  
 linear colour space ( $C_{AB,2} Y$ )

Illumin. P55,  $Y_W=100, Y_N=0$   
 Name Range  $x_1$   $y_1$   $z_1$   $x_2$   $y_2$   $z_2$   $a_{20}$   $b_{20}$   $x_c$   $B_2$   
 R<sub>1</sub> 472.775 66.26 39.01 0.24 0.6124 0.3851 997.0  
 Y<sub>1</sub> 494.775 81.66 94.73 6.1 0.4474 0.519 572.464  
 G<sub>1</sub> 494.569 17.76 54.62 6.05 0.2264 0.6963 536.0  
 C<sub>1</sub> 380.569 33.55 39.99 95.93 177.1 0.162 490.997  
 M<sub>1</sub> 380.494 15.98 54.66 90.96 0.1433 0.689 604.512  
 M<sub>2</sub> 509.494 79.88 45.57 90.11 0.3705 0.2113 536.536  
 W<sub>1</sub> 380.775 97.45 106.99 104.570 173.2 0.3315 1000  
 N<sub>1</sub> 380.775 0.09 0.1 0.09 0.332 0.3406 0.0  
 Z<sub>1</sub> 380.775 17.54 18.0 13.27 0.3321 0.3407 188



Parameter:  
 Y & Name  
 Illuminant P55  
 $Y_W=100, Y_N=0$

XTZ=98.12, 100.0, 86.5

$$A_1 = 2.5(a_1 - a_2) Y$$

$$B_1 = 2.5 B_2 (b_2 - b_1) Y$$

$$a_1 = a_{20} [(x - x_c) / y]$$

$$b_1 = b_{20} [z / y]$$

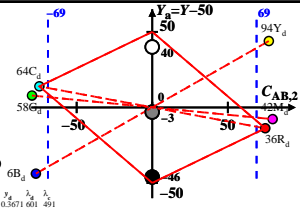
$$a_{20} = 1, b_{20} = -0.4$$

$$x_c = 0.110, B_2 = 1.000$$

$$C_{AB} = [A_1^2 + B_1^2]^{1/2}$$

6 Oswald colours (o)  
 of maximum (m)  $C_{AB}$  in  
 linear colour space ( $C_{AB,2} Y$ )

Illumin. P50,  $Y_W=100, Y_N=0$   
 Name Range  $x_1$   $y_1$   $z_1$   $x_2$   $y_2$   $z_2$   $a_{20}$   $b_{20}$   $x_c$   $B_2$   
 R<sub>1</sub> 495.775 83.94 93.84 4.2 0.609 0.159 93.467  
 Y<sub>1</sub> 495.570 21.9 57.9 4.16 0.2608 0.6895 542.542  
 C<sub>1</sub> 380.570 36.08 63.96 86.46 0.1934 0.329 491.601  
 M<sub>1</sub> 380.495 14.27 6.25 92.46 0.1394 0.6007 607.573  
 M<sub>2</sub> 570.495 76.41 42.29 82.5 0.3797 0.2101 542.542  
 W<sub>1</sub> 380.775 98.12 106.0 86.5 0.3447 0.3315 1000  
 N<sub>1</sub> 380.775 0.09 0.1 0.08 0.346 0.3512 0.0  
 Z<sub>1</sub> 380.775 17.66 18.10 15.57 0.3447 0.3513 188



Parameter:  
 Y & Name  
 Illuminant P50  
 $Y_W=100, Y_N=0$

XTZ=99.2, 100.0, 76.07

$$A_1 = 2.5(a_1 - a_2) Y$$

$$B_1 = 2.5 B_2 (b_2 - b_1) Y$$

$$a_1 = a_{20} [(x - x_c) / y]$$

$$b_1 = b_{20} [z / y]$$

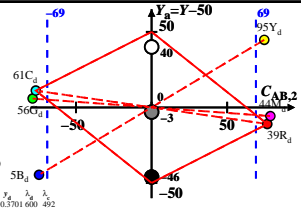
$$a_{20} = 1, b_{20} = -0.4$$

$$x_c = 0.110, B_2 = 1.100$$

$$C_{AB} = [A_1^2 + B_1^2]^{1/2}$$

6 Oswald colours (o)  
 of maximum (m)  $C_{AB}$  in  
 linear colour space ( $C_{AB,2} Y$ )

Illumin. P45,  $Y_W=100, Y_N=0$   
 Name Range  $x_1$   $y_1$   $z_1$   $x_2$   $y_2$   $z_2$   $a_{20}$   $b_{20}$   $x_c$   $B_2$   
 R<sub>1</sub> 472.775 66.26 39.01 0.24 0.6124 0.3851 997.0  
 Y<sub>1</sub> 497.775 86.88 94.74 4.35 0.4671 0.5094 574.467  
 G<sub>1</sub> 497.572 20.81 58.88 4.31 0.2569 0.6898 541.541  
 C<sub>1</sub> 380.572 33.13 61.14 76.02 0.1945 0.359 492.600  
 M<sub>1</sub> 380.497 15.22 5.65 92.46 0.1393 0.6007 607.573  
 M<sub>2</sub> 572.497 78.48 44.31 71.90 0.4034 0.2274 541.541  
 W<sub>1</sub> 380.775 99.2 106.0 76.07 0.3603 0.3632 1000  
 N<sub>1</sub> 380.775 0.09 0.1 0.07 0.3602 0.3631 0.0  
 Z<sub>1</sub> 380.775 17.85 18.10 13.69 0.3603 0.3632 188



Parameter:  
 Y & Name  
 Illuminant P45  
 $Y_W=100, Y_N=0$

XTZ=100.93, 100.0, 64.68

$$A_1 = 2.5(a_1 - a_2) Y$$

$$B_1 = 2.5 B_2 (b_2 - b_1) Y$$

$$a_1 = a_{20} [(x - x_c) / y]$$

$$b_1 = b_{20} [z / y]$$

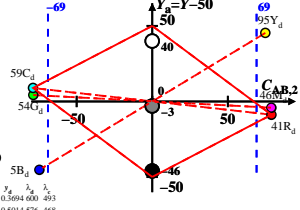
$$a_{20} = 1, b_{20} = -0.4$$

$$x_c = 0.110, B_2 = 1.300$$

$$C_{AB} = [A_1^2 + B_1^2]^{1/2}$$

6 Oswald colours (o)  
 of maximum (m)  $C_{AB}$  in  
 linear colour space ( $C_{AB,2} Y$ )

Illumin. P40,  $Y_W=100, Y_N=0$   
 Name Range  $x_1$   $y_1$   $z_1$   $x_2$   $y_2$   $z_2$   $a_{20}$   $b_{20}$   $x_c$   $B_2$   
 R<sub>1</sub> 472.775 66.26 39.01 0.24 0.6124 0.3851 997.0  
 Y<sub>1</sub> 498.775 90.16 95.35 4.18 0.4765 0.5104 576.468  
 G<sub>1</sub> 498.573 20.55 54.29 4.13 0.2602 0.6873 540.540  
 C<sub>1</sub> 380.573 30.88 58.94 64.64 0.1999 0.3815 493.600  
 M<sub>1</sub> 380.498 10.52 4.84 60.63 0.1384 0.6037 608.576  
 M<sub>2</sub> 573.498 80.57 45.9 60.08 0.3305 0.2452 540.540  
 W<sub>1</sub> 380.775 103.930100 64.68 0.3799 0.3764 1000  
 N<sub>1</sub> 380.775 0.1 0.1 0.06 0.3798 0.3763 0.0  
 Z<sub>1</sub> 380.775 18.16 18.10 11.64 0.3799 0.3764 188



Parameter:  
 Y & Name  
 Illuminant P40  
 $Y_W=100, Y_N=0$

XTZ=103.66, 99.99, 52.43

$$A_1 = 2.5(a_1 - a_2) Y$$

$$B_1 = 2.5 B_2 (b_2 - b_1) Y$$

$$a_1 = a_{20} [(x - x_c) / y]$$

$$b_1 = b_{20} [z / y]$$

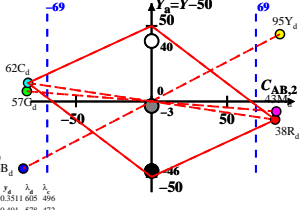
$$a_{20} = 1, b_{20} = -0.4$$

$$x_c = 0.110, B_2 = 1.800$$

$$C_{AB} = [A_1^2 + B_1^2]^{1/2}$$

6 Oswald colours (o)  
 of maximum (m)  $C_{AB}$  in  
 linear colour space ( $C_{AB,2} Y$ )

Illumin. P35,  $Y_W=100, Y_N=6^{0.5}$   
 Name Range  $x_1$   $y_1$   $z_1$   $x_2$   $y_2$   $z_2$   $a_{20}$   $b_{20}$   $x_c$   $B_2$   
 R<sub>1</sub> 475.775 69.96 37.02 0.24 0.6124 0.3851 996.98  
 Y<sub>1</sub> 500.775 95.43 94.52 2.55 0.4957 0.491 578.472  
 G<sub>1</sub> 500.575 25.67 56.78 2.51 0.3021 0.6682 548.548  
 C<sub>1</sub> 380.575 33.9 62.26 52.9 0.2282 0.419 496.605  
 M<sub>1</sub> 380.500 8.41 5.67 49.99 0.1316 0.6084 472.578  
 M<sub>2</sub> 570.500 78.19 43.41 50.02 0.4550 0.2329 548.548  
 W<sub>1</sub> 380.775 103.6699 99.99 52.43 0.4047 0.3904 1000  
 N<sub>1</sub> 380.775 0.1 0.09 0.05 0.4046 0.3903 0.0  
 Z<sub>1</sub> 380.775 18.66 18.10 9.43 0.4047 0.3904 188



Parameter:  
 Y & Name  
 Illuminant P35  
 $Y_W=100, Y_N=6^{0.5}$

XTZ=108.04, 100.0, 39.55

$$A_1 = 2.5(a_1 - a_2) Y$$

$$B_1 = 2.5 B_2 (b_2 - b_1) Y$$

$$a_1 = a_{20} [(x - x_c) / y]$$

$$b_1 = b_{20} [z / y]$$

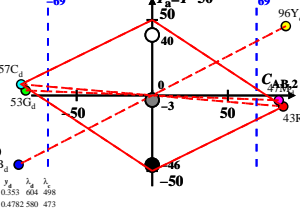
$$a_{20} = 1, b_{20} = -0.4$$

$$x_c = 0.110, B_2 = 2.500$$

$$C_{AB} = [A_1^2 + B_1^2]^{1/2}$$

6 Oswald colours (o)  
 of maximum (m)  $C_{AB}$  in  
 linear colour space ( $C_{AB,2} Y$ )

Illumin. P30,  $Y_W=100, Y_N=0^{0.5}$   
 Name Range  $x_1$   $y_1$   $z_1$   $x_2$   $y_2$   $z_2$   $a_{20}$   $b_{20}$   $x_c$   $B_2$   
 R<sub>1</sub> 472.775 66.26 39.01 0.24 0.6124 0.3851 997.0  
 Y<sub>1</sub> 498.775 90.16 95.35 4.18 0.4765 0.5104 576.468  
 G<sub>1</sub> 498.573 20.55 54.29 4.13 0.2602 0.6873 540.540  
 C<sub>1</sub> 380.573 30.88 58.94 64.64 0.1999 0.3815 493.600  
 M<sub>1</sub> 380.501 6.24 4.28 36.98 0.1314 0.6091 473.580  
 M<sub>2</sub> 570.500 84.25 46.29 37.03 0.5011 0.2736 546.546  
 W<sub>1</sub> 380.775 108.041000 39.55 0.4363 0.4038 1000  
 N<sub>1</sub> 380.775 0.1 0.1 0.03 0.4361 0.4037 0.0  
 Z<sub>1</sub> 380.775 19.44 18.10 7.11 0.4363 0.4038 188



Parameter:  
 Y & Name  
 Illuminant P30  
 $Y_W=100, Y_N=0^{0.5}$

XTZ=115.18, 100.0, 26.59

$$A_1 = 2.5(a_1 - a_2) Y$$

$$B_1 = 2.5 B_2 (b_2 - b_1) Y$$

$$a_1 = a_{20} [(x - x_c) / y]$$

$$b_1 = b_{20} [z / y]$$

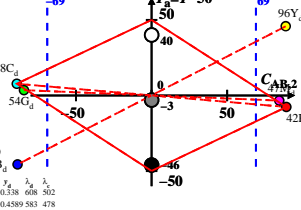
$$a_{20} = 1, b_{20} = -0.4$$

$$x_c = 0.110, B_2 = 3.700$$

$$C_{AB} = [A_1^2 + B_1^2]^{1/2}$$

6 Oswald colours (o)  
 of maximum (m)  $C_{AB}$  in  
 linear colour space ( $C_{AB,2} Y$ )

Illumin. P25,  $Y_W=100, Y_N=0^{0.5}$   
 Name Range  $x_1$   $y_1$   $z_1$   $x_2$   $y_2$   $z_2$   $a_{20}$   $b_{20}$   $x_c$   $B_2$   
 R<sub>1</sub> 482.775 78.28 42.52 0.08 0.6013 0.338 938.932  
 Y<sub>1</sub> 500.775 111.2965 77.16 0.5333 0.4899 583.478  
 G<sub>1</sub> 506.582 25.83 53.55 15.77 0.3411 0.64 552.525  
 C<sub>1</sub> 380.582 32.43 57.77 26.59 0.2777 0.4948 502.608  
 M<sub>1</sub> 380.506 4.12 4.42 25.90 0.1227 0.1317 478.583  
 M<sub>2</sub> 580.508 85.67 46.64 26.07 0.5477 0.2941 552.525  
 W<sub>1</sub> 380.775 115.181000 26.59 0.4764 0.4136 1000  
 N<sub>1</sub> 380.775 0.11 0.1 0.02 0.4762 0.4134 0.0  
 Z<sub>1</sub> 380.775 20.73 18.10 4.78 0.4764 0.4136 188



Parameter:  
 Y & Name  
 Illuminant P25  
 $Y_W=100, Y_N=0^{0.5}$