

XTZ_W=97.06, 99.99, 104.57

$$A_2 = 2.5 (a_2 - a_{2x}) Y$$

$$B_2 = 2.5 B_2 (b_2 - b_{2x}) Y$$

$$a_2 = a_{20} [(x - x_c) / y]$$

$$b_2 = b_{20} [z / y]$$

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

$$r_x = 0.110, B_2 = 0.800$$

$$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$$

6 Oswald colours (o)

of maximum (m) C_{AB} in

linear colour space (C_{AB2}, Y)

Illumin. P60, $Y_W=100, Y_N=50$

Name Range x_1^o y_1^o z_1^o x_2^o y_2^o z_2^o x_3^o y_3^o z_3^o

R₁ 509.775 79.97 70.08 52.4 0.949 0.361 996.493

Y₁ 494.775 88.45 97.34 55.59 0.3664 0.4032 571.463

G₁ 494.568 57.1 77.35 55.97 0.3005 0.407 493.535

C₁ 380.568 65.77 80.06 104.6 0.2626 0.197 499.596

R₂ 380.494 57.28 52.8 101.42 0.2708 0.2996 663.571

M₁ 508.494 88.64 72.79 101.40 0.3271 0.2699 535.535

W₁ 380.775 97.45 99.99 104.57 0.2118 0.3315 1000

N₁ 380.775 48.53 49.99 52.28 0.2128 0.3315 500

Z₁ 380.775 17.47 17.99 18.82 0.3218 0.3315 188

Parameter:

Y & Name

Illuminant P60

$Y_W=100, Y_N=50$

XTZ_W=98.12, 100.0, 86.5

$$A_2 = 2.5 (a_2 - a_{2x}) Y$$

$$B_2 = 2.5 B_2 (b_2 - b_{2x}) Y$$

$$a_2 = a_{20} [(x - x_c) / y]$$

$$b_2 = b_{20} [z / y]$$

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

$$r_x = 0.110, B_2 = 1.000$$

$$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$$

6 Oswald colours (o)

of maximum (m) C_{AB} in

linear colour space (C_{AB2}, Y)

Illumin. P50, $Y_W=100, Y_N=50$

Name Range x_1^o y_1^o z_1^o x_2^o y_2^o z_2^o x_3^o y_3^o z_3^o

R₁ 505.775 82.17 68.15 52.8 0.5184 0.2554 603.491

Y₁ 495.775 91.07 97.01 45.35 0.3901 0.4155 573.467

G₁ 495.570 60.02 78.98 45.33 0.3256 0.2484 542.542

C₁ 380.570 67.12 82.01 86.52 0.2848 0.338 491.601

R₂ 380.495 56.25 53.13 84.52 0.2901 0.2739 467.573

M₁ 570.495 87.3 71.06 84.54 0.3592 0.2928 542.542

W₁ 380.775 98.12 100.0 86.5 0.3447 0.3513 1000

N₁ 380.775 49.06 50.0 43.25 0.2447 0.3513 500

Z₁ 380.775 17.66 18.0 15.57 0.3447 0.3513 188

Parameter:

Y & Name

Illuminant P50

$Y_W=100, Y_N=50$

XTZ_W=100.93, 100.0, 64.68

$$A_2 = 2.5 (a_2 - a_{2x}) Y$$

$$B_2 = 2.5 B_2 (b_2 - b_{2x}) Y$$

$$a_2 = a_{20} [(x - x_c) / y]$$

$$b_2 = b_{20} [z / y]$$

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

$$r_x = 0.110, B_2 = 1.300$$

$$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$$

6 Oswald colours (o)

of maximum (m) C_{AB} in

linear colour space (C_{AB2}, Y)

Illumin. P40, $Y_W=100, Y_N=50$

Name Range x_1^o y_1^o z_1^o x_2^o y_2^o z_2^o x_3^o y_3^o z_3^o

R₁ 522.775 82.62 70.85 52.45 0.8371 0.3143 600.493

Y₁ 498.775 95.81 97.72 34.43 0.4202 0.4286 576.468

G₁ 498.573 60.95 77.17 34.41 0.3525 0.4477 540.540

C₁ 380.573 65.92 79.49 64.69 0.3137 0.3783 493.493

R₂ 380.498 55.73 52.42 62.69 0.2362 0.3068 468.576

M₁ 573.498 90.79 72.97 62.71 0.4008 0.3222 540.540

W₁ 380.775 100.93 100.0 64.68 0.3799 0.3794 1000

N₁ 380.775 50.46 50.0 32.34 0.3799 0.3764 500

Z₁ 380.775 18.66 18.0 11.64 0.3799 0.3764 188

Parameter:

Y & Name

Illuminant P40

$Y_W=100, Y_N=50$

XTZ_W=103.66, 99.99, 52.43

$$A_2 = 2.5 (a_2 - a_{2x}) Y$$

$$B_2 = 2.5 B_2 (b_2 - b_{2x}) Y$$

$$a_2 = a_{20} [(x - x_c) / y]$$

$$b_2 = b_{20} [z / y]$$

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

$$r_x = 0.110, B_2 = 1.800$$

$$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$$

6 Oswald colours (o)

of maximum (m) C_{AB} in

linear colour space (C_{AB2}, Y)

Illumin. P35, $Y_W=100, Y_N=50$

Name Range x_1^o y_1^o z_1^o x_2^o y_2^o z_2^o x_3^o y_3^o z_3^o

R₁ 575.775 86.85 68.86 52.4 0.7606 0.3587 600.493

Y₁ 500.775 99.6 97.31 27.49 0.4438 0.4336 578.472

G₁ 500.575 64.68 74.82 27.47 0.3791 0.497 548.548

C₁ 380.575 68.8 81.16 52.4 0.3909 0.4009 496.605

R₂ 380.500 56.85 52.83 51.23 0.35 0.3299 472.578

M₁ 570.500 90.97 71.72 51.25 0.4251 0.3522 540.540

W₁ 380.775 103.66 99.99 52.43 0.4047 0.3904 1000

N₁ 380.775 51.83 49.99 26.21 0.4047 0.3904 500

Z₁ 380.775 18.66 18.0 9.43 0.4047 0.3904 188

Parameter:

Y & Name

Illuminant P35

$Y_W=100, Y_N=50$

XTZ_W=108.04, 100.0, 39.55

$$A_2 = 2.5 (a_2 - a_{2x}) Y$$

$$B_2 = 2.5 B_2 (b_2 - b_{2x}) Y$$

$$a_2 = a_{20} [(x - x_c) / y]$$

$$b_2 = b_{20} [z / y]$$

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

$$r_x = 0.110, B_2 = 2.500$$

$$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$$

6 Oswald colours (o)

of maximum (m) C_{AB} in

linear colour space (C_{AB2}, Y)

Illumin. P30, $Y_W=100, Y_N=50$

Name Range x_1^o y_1^o z_1^o x_2^o y_2^o z_2^o x_3^o y_3^o z_3^o

R₁ 578.775 93.17 71.4 10.83 0.8052 0.3871 600.493

Y₁ 498.775 105.07 98.48 21.09 0.4687 0.4771 580.478

G₁ 503.578 66.03 76.7 21.07 0.4031 0.4682 546.546

C₁ 380.578 69.05 78.74 39.54 0.3685 0.4203 498.608

R₂ 380.503 57.14 52.14 38.28 0.3872 0.3533 473.580

M₁ 578.500 96.19 73.4 38.3 0.4625 0.3531 546.546

W₁ 380.775 108.04 100.0 39.55 0.4363 0.4038 1000

N₁ 380.775 54.02 50.0 19.77 0.4363 0.4038 500

Z₁ 380.775 19.44 18.0 7.11 0.4363 0.4038 188

Parameter:

Y & Name

Illuminant P30

$Y_W=100, Y_N=50$

XTZ_W=115.18, 100.0, 26.59

$$A_2 = 2.5 (a_2 - a_{2x}) Y$$

$$B_2 = 2.5 B_2 (b_2 - b_{2x}) Y$$

$$a_2 = a_{20} [(x - x_c) / y]$$

$$b_2 = b_{20} [z / y]$$

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

$$r_x = 0.110, B_2 = 3.700$$

$$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$$

6 Oswald colours (o)

of maximum (m) C_{AB} in

linear colour space (C_{AB2}, Y)

Illumin. P25, $Y_W=100, Y_N=50$

Name Range x_1^o y_1^o z_1^o x_2^o y_2^o z_2^o x_3^o y_3^o z_3^o

R₁ 582.775 99.12 71.23 13.53 0.8396 0.3871 600.493

Y₁ 500.775 113.29 97.93 14.1 0.5027 0.4346 583.478

G₁ 506.582 71.87 76.68 14.08 0.4415 0.4718 552.552

C₁ 380.582 73.82 78.91 26.59 0.4116 0.424 503.498

R₂ 380.506 59.65 52.21 25.82 0.4332 0.3791 478.583

M₁ 578.506 101.07 73.4 25.84 0.5046 0.3662 552.552

W₁ 380.775 115.18 100.0 26.59 0.4764 0.4136 1000

N₁ 380.775 57.59 50.0 13.29 0.4764 0.4136 500

Z₁ 380.775 20.73 18.0 4.78 0.4764 0.4136 188

Parameter:

Y & Name

Illuminant P25

$Y_W=100, Y_N=50$

XTZ_W=97.45, 100.0, 95.98

$$A_2 = 2.5 (a_2 - a_{2x}) Y$$

$$B_2 = 2.5 B_2 (b_2 - b_{2x}) Y$$

$$a_2 = a_{20} [(x - x_c) / y]$$

$$b_2 = b_{20} [z / y]$$

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

$$r_x = 0.110, B_2 = 0.900$$

$$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$$

6 Oswald colours (o)

of maximum (m) C_{AB} in

linear colour space (C_{AB2}, Y)

Illumin. P55, $Y_W=100, Y_N=50$

Name Range x_1^o y_1^o z_1^o x_2^o y_2^o z_2^o x_3^o y_3^o z_3^o

R₁ 572.775 82.76 69.54 52.43 0.937 0.2801 0.2603 600.493

Y₁ 494.775 89.6 97.41 51.05 0.3763 0.4919 572.464

G₁ 494.569 57.61 77.34 51.02 0.3098 0.4158 536.536

C₁ 380.569 65.52 79.97 96.0 0.2711 0.3314 490.597

R₂ 380.494 56.75 52.73 93.67 0.2801 0.2603 600.493

M₁ 569.494 87.1 72.8 93.09 0.3484 0.2859 536.536