

$XTZ_{\alpha} = 95.04, 100.0, 108.89$

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

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

$a_{\alpha} = a_{2\alpha} [(x - x_{\alpha})/y]$

$b_{\alpha} = b_{2\alpha} [z/y]$

$a_{2\alpha} = 1, b_{2\alpha} = -0.4$

$a_{\alpha} = 0.110, B_2 = 0.800$

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

6 Oswald colours (o)

of maximum (m)  $C_{AB}$  in

linear colour space ( $C_{AB,2}, Y$ )

Illumin. D65,  $Y_W = 100, Y_N = 50$

Name Range  $x_{\alpha}$   $y_{\alpha}$   $z_{\alpha}$   $x_{\beta}$   $y_{\beta}$   $z_{\beta}$

R<sub>1</sub> 507.775 86.73 60.45 52.9 38.5 0.634 996 403

Y<sub>1</sub> 493.775 80.13 97.18 57.92 35.7 0.4028 570 463

G<sub>1</sub> 493.567 56.35 78.24 57.9 29.27 0.4064 535 536

C<sub>1</sub> 380.567 65.3 81.11 108.920 2537 0.1376 499 596

M<sub>1</sub> 380.490 56.62 52.95 105.3 0.2629 0.2662 603 453

M<sub>2</sub> 507.493 86.35 71.9 105.950 3127 0.2725 535 535

W<sub>1</sub> 380.775 95.04 100.0 108.890 3272 0.329 1000

N<sub>1</sub> 380.775 47.52 50.0 54.44 0.3127 0.329 500

Z<sub>1</sub> 380.775 17.18 18.0 19.6 0.3127 0.329 188

Parameter: Y & Name Illuminant D65  $Y_W = 100, Y_N = 50$

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$XTZ_{\alpha} = 96.42, 100.0, 82.49$

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

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

$a_{\alpha} = a_{2\alpha} [(x - x_{\alpha})/y]$

$b_{\alpha} = b_{2\alpha} [z/y]$

$a_{2\alpha} = 1, b_{2\alpha} = -0.4$

$a_{\alpha} = 0.110, B_2 = 1.000$

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

6 Oswald colours (o)

of maximum (m)  $C_{AB}$  in

linear colour space ( $C_{AB,2}, Y$ )

Illumin. D50,  $Y_W = 100, Y_N = 50$

Name Range  $x_{\alpha}$   $y_{\alpha}$   $z_{\alpha}$   $x_{\beta}$   $y_{\beta}$   $z_{\beta}$

R<sub>1</sub> 570.775 86.73 70.07 41.53 0.42 0.3646 596 419

Y<sub>1</sub> 496.775 89.81 97.06 43.6 0.3899 0.4232 538 468

G<sub>1</sub> 496.570 57.4 77.09 43.01 0.3226 0.4232 538 536

C<sub>1</sub> 380.570 64.05 80.07 82.51 0.2826 0.3532 491 596

M<sub>1</sub> 380.496 54.96 53.08 100.4 0.2916 0.2816 468 573

M<sub>2</sub> 570.496 87.37 73.05 80.43 0.3627 0.3033 538 538

W<sub>1</sub> 380.775 96.42 100.0 82.49 0.3457 0.3585 1000

N<sub>1</sub> 380.775 48.21 50.0 41.24 0.3457 0.3585 500

Z<sub>1</sub> 380.775 17.35 18.0 14.84 0.3457 0.3585 188

Parameter: Y & Name Illuminant D50  $Y_W = 100, Y_N = 50$

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$XTZ_{\alpha} = 100.93, 100.0, 64.68$

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

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

$a_{\alpha} = a_{2\alpha} [(x - x_{\alpha})/y]$

$b_{\alpha} = b_{2\alpha} [z/y]$

$a_{2\alpha} = 1, b_{2\alpha} = -0.4$

$a_{\alpha} = 0.110, B_2 = 1.300$

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

6 Oswald colours (o)

of maximum (m)  $C_{AB}$  in

linear colour space ( $C_{AB,2}, Y$ )

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

Name Range  $x_{\alpha}$   $y_{\alpha}$   $z_{\alpha}$   $x_{\beta}$   $y_{\beta}$   $z_{\beta}$

R<sub>1</sub> 478.775 86.73 70.65 42.9 0.537 0.5743 600 419

Y<sub>1</sub> 498.775 95.81 97.72 34.43 0.4202 0.4286 576 468

G<sub>1</sub> 498.573 60.75 71.17 34.41 0.3525 0.4477 540 546

C<sub>1</sub> 380.573 65.92 79.49 64.69 0.3137 0.3783 493 600

M<sub>1</sub> 380.498 57.52 52.42 62.49 0.2562 0.3608 468 576

M<sub>2</sub> 573.498 90.79 72.97 47.13 0.4008 0.2222 540 540

W<sub>1</sub> 380.775 100.93000 64.68 0.3799 0.3764 500

N<sub>1</sub> 380.775 50.46 50.0 32.34 0.3799 0.3764 500

Z<sub>1</sub> 380.775 18.16 18.0 11.64 0.3799 0.3764 188

Parameter: Y & Name Illuminant P40  $Y_W = 100, Y_N = 50$

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$XTZ_{\alpha} = 109.84, 99.99, 35.58$

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

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

$a_{\alpha} = a_{2\alpha} [(x - x_{\alpha})/y]$

$b_{\alpha} = b_{2\alpha} [z/y]$

$a_{2\alpha} = 1, b_{2\alpha} = -0.4$

$a_{\alpha} = 0.110, B_2 = 2.500$

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

6 Oswald colours (o)

of maximum (m)  $C_{AB}$  in

linear colour space ( $C_{AB,$