

$XYZ_w = 95.04, 100.0, 108.89$

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

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

$a_{2w} = a_{2w} [(x - x_c) / y]$

$b_{2w} = b_{2w} (z / y)$

$a_{2w} = 1, b_{2w} = -0.4$

$x_c = 0.110, B_2 = 0.800$

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

6 Oswald colours (e)

of maximum (m) C_{AB} in

linear colour space (C_{AB2} Y)

Illumin. D65, $Y_w = 100, Y_N = 25$

Name Range x_1 y_1 z_1 x_2 y_2 z_2 x_3 y_3 z_3

R_1 507.775 68.53 93.5 27.36 0.4587 0.5581 598 491

Y_1 496.775 81.63 95.72 32.39 0.3892 0.4563 570 463

G_1 493.567 96.59 67.31 32.35 0.2704 0.4927 535 536

C_1 380.570 50.39 71.52 108.89 0.2182 0.3101 499 598

M_1 380.493 47.28 29.24 103.62 0.2196 0.1724 463 603

M_1 507.493 81.96 57.8 103.89 0.3363 0.2372 535 535

W_1 380.775 95.04 100.0 108.89 0.3127 0.3239 100%

N_1 380.775 23.76 25.0 27.22 0.3127 0.3239 25%

N_1 380.775 17.1 18.0 19.6 0.3127 0.3239 18%

Parameter: Y & Name Illuminant D65

$Y_w = 100, Y_N = 25$

BEN1-1A

$XYZ_w = 100.93, 100.0, 64.68$

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

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

$a_{2w} = a_{2w} [(x - x_c) / y]$

$b_{2w} = b_{2w} (z / y)$

$a_{2w} = 1, b_{2w} = -0.4$

$x_c = 0.110, B_2 = 1.300$

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

6 Oswald colours (e)

of maximum (m) C_{AB} in

linear colour space (C_{AB2} Y)

Illumin. P40, $Y_w = 100, Y_N = 25$

Name Range x_1 y_1 z_1 x_2 y_2 z_2 x_3 y_3 z_3

R_1 496.775 93.2 96.53 19.27 0.4459 0.4618 576 468

G_1 496.573 40.61 65.71 19.24 0.3234 0.4618 540 540

C_1 380.573 48.36 69.19 64.67 0.2654 0.3797 603 493

M_1 380.498 33.08 26.58 64.66 0.2652 0.3117 468 576

M_1 573.498 80.67 59.41 61.69 0.4143 0.2873 540 540

W_1 380.775 100.9100 64.68 0.3799 0.3764 100%

N_1 380.775 25.23 25.0 16.17 0.3799 0.3764 25%

N_1 380.775 18.16 18.0 11.64 0.3799 0.3764 18%

Parameter: Y & Name Illuminant P40

$Y_w = 100, Y_N = 25$

BEN1-1A

$XYZ_w = 100.0, 100.0, 100.0$

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

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

$a_{2w} = a_{2w} [(x - x_c) / y]$

$b_{2w} = b_{2w} (z / y)$

$a_{2w} = 1, b_{2w} = -0.4$

$x_c = 0.110, B_2 = 0.900$

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

6 Oswald colours (e)

of maximum (m) C_{AB} in

linear colour space (C_{AB2} Y)

Illumin. E00, $Y_w = 100, Y_N = 25$

Name Range x_1 y_1 z_1 x_2 y_2 z_2 x_3 y_3 z_3

R_1 507.775 74.14 55.35 26.53 0.3794 0.5279 598 491

Y_1 494.775 87.55 96.13 29.6 0.4105 0.4507 573 463

G_1 494.570 68.51 65.88 29.56 0.2875 0.4815 536 536

C_1 380.570 50.98 69.77 99.98 0.2609 0.316 499 598

M_1 380.494 37.56 29.58 95.52 0.2317 0.1788 463 573

M_1 573.494 86.6 59.22 59.96 0.3587 0.4253 536 536

W_1 380.775 100.0 100.0 100.0 0.3333 0.3333 100%

N_1 380.775 25.0 25.0 25.0 0.3333 0.3333 25%

N_1 380.775 18.0 18.0 18.0 0.3333 0.3333 18%

Parameter: Y & Name Illuminant E00

$Y_w = 100, Y_N = 25$

BEN1-1A

$XYZ_w = 102.06, 100.0, 81.06$

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

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

$a_{2w} = a_{2w} [(x - x_c) / y]$

$b_{2w} = b_{2w} (z / y)$

$a_{2w} = 1, b_{2w} = -0.4$

$x_c = 0.110, B_2 = 1.000$

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

6 Oswald colours (e)

of maximum (m) C_{AB} in

linear colour space (C_{AB2} Y)

Illumin. P00, $Y_w = 100, Y_N = 25$

Name Range x_1 y_1 z_1 x_2 y_2 z_2 x_3 y_3 z_3

R_1 507.775 77.3 55.51 28.08 0.3546 0.3924 591 491

Y_1 496.775 82.98 95.89 23.27 0.4359 0.4538 575 463

G_1 496.572 40.4 65.47 23.24 0.3129 0.507 541 541

C_1 380.572 50.4 69.61 81.04 0.2506 0.3462 491 596

M_1 380.496 35.61 29.24 78.15 0.249 0.2044 467 570

M_1 572.496 87.3 59.62 78.15 0.3877 0.2649 541 541

W_1 380.775 102.06100 81.06 0.3604 0.3331 100%

N_1 380.775 25.51 25.0 20.26 0.3604 0.3331 25%

N_1 380.775 18.37 18.0 14.59 0.3604 0.3331 18%

Parameter: Y & Name Illuminant P00

$Y_w = 100, Y_N = 25$

BEN1-1A

$XYZ_w = 96.42, 100.0, 82.49$

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

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

$a_{2w} = a_{2w} [(x - x_c) / y]$

$b_{2w} = b_{2w} (z / y)$

$a_{2w} = 1, b_{2w} = -0.4$

$x_c = 0.110, B_2 = 1.000$

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

6 Oswald colours (e)

of maximum (m) C_{AB} in

linear colour space (C_{AB2} Y)

Illumin. D50, $Y_w = 100, Y_N = 25$

Name Range x_1 y_1 z_1 x_2 y_2 z_2 x_3 y_3 z_3

R_1 507.775 72.82 55.86 29.54 0.4899 0.3704 598 491

Y_1 496.775 86.46 95.55 23.9 0.4199 0.4574 573 468

G_1 496.570 37.84 65.58 23.86 0.2973 0.5152 538 538

C_1 380.570 47.82 70.06 82.49 0.2286 0.3496 491 598

M_1 380.496 34.18 29.57 79.32 0.2389 0.2666 468 573

M_1 570.496 82.8 59.53 79.35 0.3734 0.2665 538 538

W_1 380.775 96.42 100.0 82.49 0.3457 0.3585 100%

N_1 380.775 24.1 25.0 20.62 0.3457 0.3585 25%

N_1 380.775 17.35 18.0 14.84 0.3457 0.3585 18%

Parameter: Y & Name Illuminant D50

$Y_w = 100, Y_N = 25$

BEN1-1A

$XYZ_w = 109.84, 99.99, 35.58$

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

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

$a_{2w} = a_{2w} [(x - x_c) / y]$

$b_{2w} = b_{2w} (z / y)$

$a_{2w} = 1, b_{2w} = -0.4$

$x_c = 0.110, B_2 = 2.500$

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

6 Oswald colours (e)

of maximum (m) C_{AB} in

linear colour space (C_{AB2} Y)

Illumin. A00, $Y_w = 100, Y_N = 25$

Name Range x_1 y_1 z_1 x_2 y_2 z_2 x_3 y_3 z_3

R_1 507.775 87.42 97.32 8.26 0.5607 0.3729 598 491

Y_1 496.775 105.8497 10.68 0.4956 0.4543 581 474

G_1 504.579 45.99 64.78 10.63 0.3787 0.5335 547 547

C_1 380.579 50.02 67.79 35.56 0.3261 0.442 499 603

M_1 380.584 36.16 28.11 33.84 0.3377 0.3004 474 581

M_1 579.584 94.45 60.34 33.87 0.4025 0.2489 547 547

W_1 380.775 109.8499 99.99 35.58 0.4475 0.4074 100%

N_1 380.775 27.46 24.99 8.98 0.4475 0.4074 25%

N_1 380.775 19.77 17.99 6.4 0.4475 0.4074 18%

Parameter: Y & Name Illuminant A00

$Y_w = 100, Y_N = 25$

BEN1-1A

$XYZ_w = 98.07, 100.0, 118.22$

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

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

$a_{2w} = a_{2w} [(x - x_c) / y]$

$b_{2w} = b_{2w} (z / y)$

$a_{2w} = 1, b_{2w} = -0.4$

$x_c = 0.110, B_2 = 0.700$

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

6 Oswald colours (e)

of maximum (m) C_{AB} in

linear colour space (C_{AB2} Y)

Illumin. C00, $Y_w = 100, Y_N = 25$

Name Range x_1 y_1 z_1 x_2 y_2 z_2 x_3 y_3 z_3

R_1 507.775 83.38 95.54 34.86 0.39 0.4468 571 463

G_1 492.567 37.54 66.15 34.83 0.2708 0.4753 535 535

C_1 380.567 52.25 70.63 118.21 0.2167 0.2929 487 596

M_1 380.492 36.32 29.58 113.06 0.2161 0.1625 463 571

M_1 507.492 85.17 58.96 113.09 0.3311 0.2929 535 535

W_1 380.775 98.07 100.0 118.22 0.31 0.3161 100%

N_1 380.775 24.51 25.0 29.55 0.31 0.3161 25%

N_1 380.775 17.65 18.0 21.28 0.31 0.3161 18%

Parameter: Y & Name Illuminant C00

$Y_w = 100, Y_N = 25$

BEN1-1A

$XYZ_w = 97.93, 100.0, 118.95$

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

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

$a_{2w} = a_{2w} [(x - x_c) / y]$

$b_{2w} = b_{2w} (z / y)$

$a_{2w} = 1, b_{2w} = -0.4$