

XYZ_w=95.04, 100.0, 108.89

A₂ = 2.5 (a₂ - a_{2s}) Y

B₂ = 2.5 B₂ (b₂ - b_{2s}) Y

a_{2s} = a₂₀ | (x - x_c) / y |

b_{2s} = b₂₀ | z / y |

a₂₀ = 1, b₂₀ = -0.4

x_c = 0.110, B₂ = 0.800

C_{AB2} = [A₂² + B₂²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in

chromatic value diagram (A₂, B₂)

Illumin. D65, Y_w=100, Y_N=50

Name Range x₁ y₁ z₁ x₂ y₂ z₂ x₃ y₃ z₃

R₁ 507.775 68.673 69.653 54.57 0.385 0.3434 596 489

Y₁ 496.775 86.13 97.18 57.92 0.357 0.4028 570 463

G₁ 493.567 50.574 78.24 57.9 0.2927 0.4064 538 536

C₁ 380.567 65.3 81.11 108.92 0.2557 0.3176 489 596

B₁ 496.495 54.96 53.08 100.4 0.2916 0.3816 460 573

M₁ 567.493 86.35 71.9 105.59 0.3272 0.2725 536 535

W₁ 380.775 95.04 100.0 108.89 0.3127 0.329 100%

N₁ 380.775 47.52 50.0 54.44 0.3127 0.329 50%

N₂ 380.775 17.15 18.0 18.6 0.3127 0.329 18%

Parameter: Y & Name

Illuminant D65

Y_w=100, Y_N=50

Diagram showing 6 Oswald colours (e) in the chromatic value diagram (A₂, B₂) for illuminant D65. The diagram is a hexagon with vertices labeled 78G_d, 69R_d, 72M_d, 53B_d, 81C_d, and D65. The central point is labeled 97Y_d. The axes are A₂ and B₂.

XYZ_w=96.42, 100.0, 124.9

A₂ = 2.5 (a₂ - a_{2s}) Y

B₂ = 2.5 B₂ (b₂ - b_{2s}) Y

a_{2s} = a₂₀ | (x - x_c) / y |

b_{2s} = b₂₀ | z / y |

a₂₀ = 1, b₂₀ = -0.4

x_c = 0.110, B₂ = 1.000

C_{AB2} = [A₂² + B₂²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in

chromatic value diagram (A₂, B₂)

Illumin. D50, Y_w=100, Y_N=50

Name Range x₁ y₁ z₁ x₂ y₂ z₂ x₃ y₃ z₃

R₁ 507.775 68.673 70.87 41.53 0.42 0.5646 596 491

Y₁ 496.775 89.81 97.06 43.46 0.3899 0.4214 573 468

G₁ 496.570 57.4 77.09 43.43 0.3226 0.4332 538 538

C₁ 380.570 64.05 80.07 82.51 0.2626 0.3532 491 596

B₁ 496.495 54.96 53.08 100.4 0.2916 0.3816 460 573

M₁ 570.496 87.37 73.05 80.43 0.3627 0.3033 538 538

W₁ 380.775 96.42 100.0 124.9 0.3457 0.3585 100%

N₁ 380.775 48.21 50.0 41.24 0.3457 0.3585 50%

N₂ 380.775 17.35 18.0 14.84 0.3457 0.3585 18%

Parameter: Y & Name

Illuminant D50

Y_w=100, Y_N=50

Diagram showing 6 Oswald colours (e) in the chromatic value diagram (A₂, B₂) for illuminant D50. The diagram is a hexagon with vertices labeled 77G_d, 70R_d, 73M_d, 53B_d, 80C_d, and D50. The central point is labeled 97Y_d. The axes are A₂ and B₂.

BER41-1A3

XYZ_w=109.93, 100.0, 64.68

A₂ = 2.5 (a₂ - a_{2s}) Y

B₂ = 2.5 B₂ (b₂ - b_{2s}) Y

a_{2s} = a₂₀ | (x - x_c) / y |

b_{2s} = b₂₀ | z / y |

a₂₀ = 1, b₂₀ = -0.4

x_c = 0.110, B₂ = 1.300

C_{AB2} = [A₂² + B₂²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in

chromatic value diagram (A₂, B₂)

Illumin. P40, Y_w=100, Y_N=50

Name Range x₁ y₁ z₁ x₂ y₂ z₂ x₃ y₃ z₃

R₁ 507.775 68.673 70.87 41.53 0.3743 0.460 493

Y₁ 496.775 95.81 97.72 43.4 0.4002 0.4286 576 468

G₁ 496.573 60.75 77.17 34.41 0.3525 0.4477 540 540

C₁ 380.573 65.92 79.49 64.69 0.3137 0.3783 493 500

B₁ 380.498 55.73 52.42 62.69 0.2652 0.3608 468 576

M₁ 573.498 86.79 72.97 62.71 0.4008 0.3222 540 540

W₁ 380.775 100.93100.0 64.68 0.3799 0.3764 50%

N₁ 380.775 50.46 50.0 32.34 0.3799 0.3764 50%

N₂ 380.775 18.16 18.0 11.64 0.3799 0.3764 18%

Parameter: Y & Name

Illuminant P40

Y_w=100, Y_N=50

Diagram showing 6 Oswald colours (e) in the chromatic value diagram (A₂, B₂) for illuminant P40. The diagram is a hexagon with vertices labeled 77G_d, 71R_d, 73M_d, 52B_d, 79C_d, and P40. The central point is labeled 98Y_d. The axes are A₂ and B₂.

BER41-2A

XYZ_w=109.84, 99.99, 35.57

A₂ = 2.5 (a₂ - a_{2s}) Y

B₂ = 2.5 B₂ (b₂ - b_{2s}) Y

a_{2s} = a₂₀ | (x - x_c) / y |

b_{2s} = b₂₀ | z / y |

a₂₀ = 1, b₂₀ = -0.4

x_c = 0.110, B₂ = 2.500

C_{AB2} = [A₂² + B₂²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in

chromatic value diagram (A₂, B₂)

Illumin. A00, Y_w=100, Y_N=50

Name Range x₁ y₁ z₁ x₂ y₂ z₂ x₃ y₃ z₃

R₁ 507.775 68.673 71.58 17.84 0.3103 0.3882 460 499

Y₁ 504.775 107.2180.4 18.99 0.4781 0.4371 581 474

G₁ 504.579 67.31 76.55 18.97 0.4133 0.4701 547 547

C₁ 380.579 70.0 78.56 35.57 0.3801 0.4266 499 605

B₁ 380.584 57.72 52.1 34.43 0.4001 0.3612 474 581

M₁ 579.504 97.62 73.59 34.45 0.4746 0.3578 547 547

W₁ 380.775 109.8499.99 35.58 0.4475 0.4074 100%

N₁ 380.775 54.92 49.99 17.79 0.4475 0.4074 50%

N₂ 380.775 19.77 17.99 6.4 0.4475 0.4074 18%

Parameter: Y & Name

Illuminant A00

Y_w=100, Y_N=50

Diagram showing 6 Oswald colours (e) in the chromatic value diagram (A₂, B₂) for illuminant A00. The diagram is a hexagon with vertices labeled 77G_d, 72R_d, 74M_d, 52B_d, 79C_d, and A00. The central point is labeled 98Y_d. The axes are A₂ and B₂.

BER41-3A

XYZ_w=100.0, 100.0, 100.0

A₂ = 2.5 (a₂ - a_{2s}) Y

B₂ = 2.5 B₂ (b₂ - b_{2s}) Y

a_{2s} = a₂₀ | (x - x_c) / y |

b_{2s} = b₂₀ | z / y |

a₂₀ = 1, b₂₀ = -0.4

x_c = 0.110, B₂ = 0.900

C_{AB2} = [A₂² + B₂²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in

chromatic value diagram (A₂, B₂)

Illumin. E00, Y_w=100, Y_N=50

Name Range x₁ y₁ z₁ x₂ y₂ z₂ x₃ y₃ z₃

R₁ 507.775 68.673 70.87 58.12 0.4074 0.3568 596 489

Y₁ 494.775 91.73 97.45 53.1 0.3786 0.4022 573 463

G₁ 494.570 59.04 77.29 53.07 0.3117 0.408 538 536

C₁ 380.570 67.35 79.88 100.02 0.2724 0.323 489 596

B₁ 380.494 58.41 52.69 97.05 0.2606 0.3523 463 573

M₁ 567.494 91.1 72.85 97.07 0.349 0.2791 536 536

W₁ 380.775 100.0 100.0 100.0 0.3333 0.3333 100%

N₁ 380.775 50.0 50.0 50.0 0.3333 0.3333 50%

N₂ 380.775 18.0 18.0 18.0 0.3333 0.3333 18%

Parameter: Y & Name

Illuminant E00

Y_w=100, Y_N=50

Diagram showing 6 Oswald colours (e) in the chromatic value diagram (A₂, B₂) for illuminant E00. The diagram is a hexagon with vertices labeled 77G_d, 70R_d, 73M_d, 53B_d, 80C_d, and E00. The central point is labeled 97Y_d. The axes are A₂ and B₂.

BER41-4A

XYZ_w=98.07, 100.0, 118.22

A₂ = 2.5 (a₂ - a_{2s}) Y

B₂ = 2.5 B₂ (b₂ - b_{2s}) Y

a_{2s} = a₂₀ | (x - x_c) / y |

b_{2s} = b₂₀ | z / y |

a₂₀ = 1, b₂₀ = -0.4

x_c = 0.110, B₂ = 0.700

C_{AB2} = [A₂² + B₂²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in

chromatic value diagram (A₂, B₂)

Illumin. C00, Y_w=100, Y_N=50

Name Range x₁ y₁ z₁ x₂ y₂ z₂ x₃ y₃ z₃

R₁ 507.775 68.673 69.65 58.12 0.3819 0.334 596 487

Y₁ 492.775 88.31 97.06 62.69 0.3559 0.3912 571 463

G₁ 492.567 57.75 77.47 62.66 0.2918 0.3914 535 535

C₁ 380.567 67.55 80.45 118.25 0.2537 0.3021 487 596

B₁ 380.482 58.94 53.08 114.82 0.2598 0.3214 463 571

M₁ 567.492 91.73 72.67 114.84 0.323 0.2623 536 535

W₁ 380.775 98.07 100.0 118.22 0.31 0.3161 100%

N₁ 380.775 49.03 50.0 59.11 0.31 0.3161 50%

N₂ 380.775 17.65 18.0 21.28 0.31 0.3161 18%

Parameter: Y & Name

Illuminant C00

Y_w=100, Y_N=50

Diagram showing 6 Oswald colours (e) in the chromatic value diagram (A₂, B₂) for illuminant C00. The diagram is a hexagon with vertices labeled 77G_d, 70R_d, 73M_d, 53B_d, 80C_d, and C00. The central point is labeled 97Y_d. The axes are A₂ and B₂.

BER41-5A

XYZ_w=102.06, 100.0, 81.06

A₂ = 2.5 (a₂ - a_{2s}) Y

B₂ = 2.5 B₂ (b₂ - b_{2s}) Y

a_{2s} = a₂₀ | (x - x_c) / y |

b_{2s} = b₂₀ | z / y |

a₂₀ = 1, b₂₀ = -0.4

x_c = 0.110, B₂ = 1.000

C_{AB2} = [A₂² + B₂²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in

chromatic value diagram (A₂, B₂)

Illumin. P00, Y_w=100, Y_N=50

Name Range x₁ y₁ z₁ x₂ y₂ z₂ x₃ y₃ z₃

R₁ 572.775 85.59 70.37 40.61 0.4833 0.3759 600 491