

$XYZ_{70}=95.04, 100.0, 108.89$

$A_1 = 2.5(a_1 - a_{10}) Y$

$B_1 = 2.5 B_2 (b_1 - b_{10}) Y$

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

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

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

$x_c = 0.110, B_2 = 1.000$

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

6 Ostwald colours (o)

of maximum (m) C_{AB} in

chromatic value diagram (A_1, B_1)

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

Name Range x_1 y_1 z_1 x_2 y_2 z_2 x_3 y_3 z_3

R₁ 507.775 87.73 60.45 54.57 0.385 0.234 596.409

R₂ 493.775 86.13 97.18 57.92 0.357 0.402 870.463

G₁ 493.567 56.35 78.24 57.9 0.292 0.404 635.535

G₂ 380.570 65.3 81.11 108.97 0.257 0.317 649.596

M₁ 493.567 52.96 105.57 0.262 0.602 663.570

M₂ 507.493 86.35 71.9 105.99 0.327 0.272 535.003

W₁ 380.775 95.04 100.0 108.89 0.312 0.329 100%

N₁ 380.775 47.52 50.0 54.44 0.312 0.329 50%

Z₁ 380.775 17.1 18.0 19.6 0.312 0.329 18%

$XYZ_{70}=96.42, 100.0, 82.49$

$A_1 = 2.5(a_1 - a_{10}) Y$

$B_1 = 2.5 B_2 (b_1 - b_{10}) Y$

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

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

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

$x_c = 0.110, B_2 = 1.000$

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

6 Ostwald colours (o)

of maximum (m) C_{AB} in

chromatic value diagram (A_1, B_1)

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

Name Range x_1 y_1 z_1 x_2 y_2 z_2 x_3 y_3 z_3

R₁ 570.775 87.73 70.07 41.53 0.42 0.364 598.491

R₂ 475.775 89.81 97.06 43.46 0.389 0.424 573.468

G₁ 496.570 57.4 77.09 40.43 0.322 0.432 538.536

G₂ 380.570 64.05 80.07 82.51 0.282 0.332 491.598

M₁ 496.570 54.95 53.08 80.4 0.291 0.281 608.499

M₂ 570.496 87.37 73.05 80.43 0.362 0.303 538.538

W₁ 380.775 96.42 100.0 82.49 0.345 0.358 100%

N₁ 380.775 48.21 50.0 41.24 0.345 0.358 50%

Z₁ 380.775 17.35 18.0 14.84 0.345 0.358 18%

BEH90-1A

$XYZ_{70}=100.93, 100.0, 64.68$

$A_1 = 2.5(a_1 - a_{10}) Y$

$B_1 = 2.5 B_2 (b_1 - b_{10}) Y$

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

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

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

$x_c = 0.110, B_2 = 1.000$

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

6 Ostwald colours (o)

of maximum (m) C_{AB} in

chromatic value diagram (A_1, B_1)

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

Name Range x_1 y_1 z_1 x_2 y_2 z_2 x_3 y_3 z_3

R₁ 475.775 86.13 70.65 32.43 0.357 0.543 600.93

R₂ 498.775 95.81 97.72 34.43 0.402 0.426 576.468

G₁ 498.573 65.75 77.17 34.41 0.325 0.447 540.540

G₂ 380.573 69.92 79.49 64.69 0.317 0.378 493.600

B₁ 380.498 55.73 52.42 62.49 0.262 0.368 608.576

M₁ 475.498 90.79 72.97 62.71 0.408 0.222 540.540

W₁ 380.775 100.93 100.0 64.68 0.379 0.374 100%

N₁ 380.775 50.46 50.0 32.34 0.379 0.374 50%

Z₁ 380.775 18.16 18.0 11.64 0.379 0.374 18%

BEH90-2A

$XYZ_{70}=109.84, 99.99, 35.58$

$A_1 = 2.5(a_1 - a_{10}) Y$

$B_1 = 2.5 B_2 (b_1 - b_{10}) Y$

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

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

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

$x_c = 0.110, B_2 = 1.000$

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

6 Ostwald colours (o)

of maximum (m) C_{AB} in

chromatic value diagram (A_1, B_1)

Illumin. A00, $Y_w=100, Y_N=50$

Name Range x_1 y_1 z_1 x_2 y_2 z_2 x_3 y_3 z_3

R₁ 475.775 94.95 71.58 34.43 0.402 0.281 608.499

R₂ 504.775 107.218 18.99 47.81 0.431 0.471 581.474

G₁ 504.579 67.31 76.55 18.97 0.413 0.471 547.547

G₂ 380.579 70.0 78.56 35.57 0.381 0.426 499.605

B₁ 380.584 57.72 52.1 34.43 0.401 0.361 574.581

M₁ 475.498 90.79 72.97 62.71 0.408 0.222 540.540

W₁ 380.775 109.84 99.99 35.58 0.445 0.474 100%

N₁ 380.775 54.92 49.99 17.79 0.445 0.474 50%

Z₁ 380.775 19.77 17.99 6.4 0.445 0.474 18%

BEH90-3A

$XYZ_{70}=100.0, 100.0, 100.0$

$A_1 = 2.5(a_1 - a_{10}) Y$

$B_1 = 2.5 B_2 (b_1 - b_{10}) Y$

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

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

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