

$XYZ_W=103.66, 99.99, 52.43$

$A_2 = 2,5 (a_2 - a_{2,n}) Y$

$B_2 = 2,5 B_c (b_2 - b_{2,n}) Y$

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

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

$a_{20} = 1, b_{20} = -0,4$

$x_c = 0,110, B_c = 1,800$

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

6 Ostwald colours (o)

of maximum (m) C_{AB} in

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

Illumin. P35, $Y_W=100, Y_N=0$

Name Range X_d Y_d Z_d x_d y_d λ_d λ_c

R_d 575_775 69.96 37.93 0.14 0.6475 0.3511 605 496

Y_d 500_775 95.43 94.52 2.55 0.4957 0.491 578 472

G_d 500_575 25.67 56.78 2.51 0.3021 0.6682 548 548c

C_d 380_575 33.9 62.26 52.39 0.2282 0.419 496 605

B_d 380_500 8.43 5.67 49.98 0.1316 0.0884 472 578

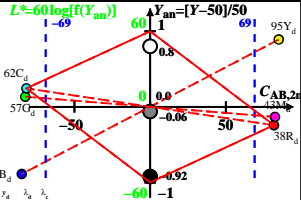
M_d 575_500 78.19 43.41 50.02 0.4556 0.2529 548c 548

W_d 380_775 103.6699.99 52.43 0.4047 0.3904 100%

N_d 380_775 0.1 0.09 0.05 0.4046 0.3903 0%

Z_d 380_775 18.66 18.0 9.43 0.4047 0.3904 18%

$L^* = 60 \log[f(Y_{an})]$



$f(Y_{an}) = \pm [1 + 10 |Y_{an}|^n]$

n increases to 1 for:

1. decreasing of the contrast C
2. adjacent compared to separate colours.

Parameter:
 Y & Name
 Illuminant P35
 $Y_W=100, Y_N=0$