

$XYZ_W = 95.04, 100.0, 108.89$

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

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

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

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

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

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

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

6 Ostwald-Farben (o)

von maximalem (m) C_{AB}

linearen Farbenraum ($C_{AB,2}$)

Lichtart D65, $Y_W = 100, Y_N = 0$

Name Bereich X_d Y_d Z_d x_d y_d λ_d λ_c

R_d 567_775 59.7 38.03 0.26 0.6092 0.388 596 489

Y_d 493_775 77.15 94.26 6.95 0.4325 0.5284 570 463

G_d 493_567 17.64 56.43 6.9 0.2178 0.6968 535 535c

C_d 380_567 35.53 62.16 108.84 0.172 0.3009 489 596

B_d 380_493 18.08 5.93 102.15 0.1433 0.047 463 570

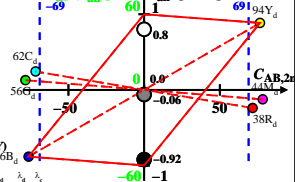
M_d 567_493 77.59 43.76 102.2 0.347 0.1957 535c 535

W_d 380_775 95.04 100.0 108.89 0.3127 0.329 100%

N_d 380_775 0.09 0.1 0.1 0.3126 0.3289 0%

Z_d 380_775 17.1 18.0 19.6 0.3127 0.329 18%

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



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

n nähert sich 1 für:

1. abnehmendem Kontrast C
2. aneinandergrenzende / separate Farben.

Parameter:

Y & Name

Lichtart D65

$Y_W = 100, Y_N = 0$