

$XYZ_W = 98.12, 100.0, 86.5$

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

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

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

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

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

$x_c = 0,110, B_c = 1,000$

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

6 Ostwald-Farben (o)

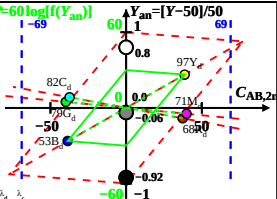
von maximalem (m) C_{AB}

linearen Farbenraum (C_{AB2}, Y)

Lichtart P50, $Y_W = 100, Y_N = 50$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R _d	570_775	80.21	68.13	43.35	0.4184	0.3554	601	491
Y _d	495_775	91.07	97.01	45.35	0.3901	0.4155	573	467
G _d	495_570	60.02	78.98	45.33	0.3256	0.4284	542	542c
C _d	380_570	67.12	82.01	86.52	0.2848	0.348	491	601
B _d	380_495	56.25	53.13	84.52	0.2901	0.2739	467	573
M _d	570_495	87.3	71.16	84.54	0.3592	0.2928	542c	542
W _d	380_775	98.12	100.0	86.5	0.3447	0.3513	100%	
N _d	380_775	49.06	50.0	43.25	0.3447	0.3513	50%	
Z _d	380_775	17.66	18.0	15.57	0.3447	0.3513	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 P50

$Y_W = 100, Y_N = 50$