

$XYZ_w = 108.04, 100.0, 39.55$

$A_2 = 2.5 (a_2 - a_{2,n}) Y$

$B_2 = 2.5 B_c (b_2 - b_{2,n}) Y$

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

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

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

$x_c = 0.110, B_c = 2.500$

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

6 Ostwald-Farben (o)

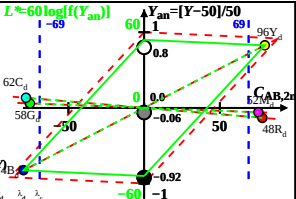
von maximalem (m) C_{AB}

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

Lichtart P30, $Y_w = 100, Y_N = 10$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	578_775	81.18	48.44	4.03	0.6074	0.3624	604	498
Y_d	503_775	102.6	196.33	6.3	0.4999	0.4693	580	473
G_d	503_578	32.34	57.98	6.26	0.3348	0.6003	546	546c
C_d	380_578	37.77	61.66	39.51	0.2718	0.4437	498	604
B_d	380_503	16.34	13.77	37.24	0.2426	0.2045	473	580
M_d	578_503	86.62	52.12	37.28	0.492	0.2961	546c	546
W_d	380_775	108.04	100.0	39.55	0.4363	0.4038		100%
N_d	380_775	10.8	10.0	3.95	0.4363	0.4038		10%
Z_d	380_775	19.44	18.0	7.11	0.4363	0.4038		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 P30

$Y_w = 100, Y_N = 10$