

$XYZ_w = 108.04, 100.0, 39.55$

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

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

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

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

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

$x_c = 0,110, B_c = 2,500$

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

6 Ostwald-Farben (o)

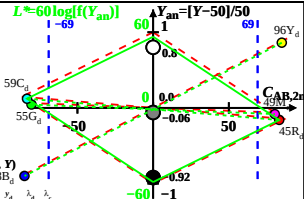
von maximalem (m) C_{AB} im

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

Lichtart P30, $Y_w = 100, Y_N = 4$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	578_775	79.39	45.0	1.66	0.6298	0.3569	604	498
Y_d	503_775	102.24	96.07	4.08	0.5051	0.4746	580	473
G_d	503_578	27.28	55.17	4.04	0.3154	0.6378	546	546c
C_d	380_578	33.08	59.1	39.51	0.2512	0.4487	498	604
B_d	380_503	10.22	8.02	37.09	0.1847	0.145	473	580
M_d	578_503	85.18	48.92	37.13	0.4974	0.2857	546c	546
W_d	380_775	108.04	100.0	39.55	0.4363	0.4038	100%	
N_d	380_775	4.32	4.0	1.58	0.4363	0.4038	4%	
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

$Y_w = 100, Y_N = 4$