

$XYZ_W = 103.66, 99.99, 52.43$

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

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

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

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

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

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

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

6 Ostwald-Farben (o)

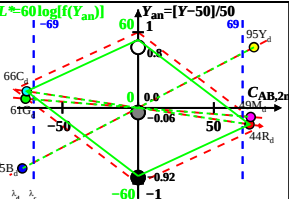
von maximalem (m) C_{AB} im

linearen Farbenraum (C_{AB2}, Y)

Lichtart P35, $Y_W = 100, Y_N = 10$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	575_775	73.31	44.09	5.32	0.5973	0.3592	605	496
Y_d	500_775	96.26	95.08	7.49	0.4841	0.4781	578	472
G_d	500_575	33.41	61.08	7.46	0.3277	0.599	548	548c
C_d	380_575	40.82	66.01	52.4	0.2563	0.4145	496	605
B_d	380_500	17.88	15.02	50.23	0.215	0.1807	472	578
M_d	575_500	80.73	49.02	50.26	0.4484	0.2723	548c	548
W_d	380_775	103.66	99.99	52.43	0.4047	0.3904	100%	
N_d	380_775	10.36	9.99	5.24	0.4047	0.3904	10%	
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 nähert sich 1 für:

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

Parameter:

Y & Name

Lichtart P35

$Y_W = 100, Y_N = 10$