

$XYZ_W = 115.18, 100.0, 26.59$

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

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

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

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

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

$x_c = 0.110, B_c = 3.700$

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

6 Ostwald-Farben (o)

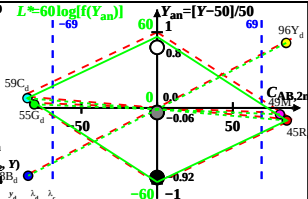
von maximalem (m) C_{AB} im

linearen Farbenraum (C_{AB2}, Y)

Lichtart P25, $Y_W = 100, Y_N = 4$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R _d	582_775	84.24	44.67	1.12	0.6478	0.3435	608	502
Y _d	506_775	111.44	95.94	2.58	0.5307	0.4569	583	478
G _d	506_582	31.92	55.36	2.55	0.3553	0.6162	552	552c
C _d	380_582	35.66	59.42	26.56	0.2931	0.4884	502	608
B _d	380_506	8.46	8.16	25.1	0.2028	0.1955	478	583
M _d	582_506	87.98	48.73	25.13	0.5435	0.3011	552c	552
W _d	380_775	115.18	100.0	26.59	0.4764	0.4136	100%	
N _d	380_775	4.6	4.0	1.06	0.4763	0.4135	4%	
Z _d	380_775	20.73	18.0	4.78	0.4764	0.4136	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 P25

$Y_W = 100, Y_N = 4$