

$XYZ_W = 103.66, 99.99, 52.43$

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

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

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

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

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

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

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

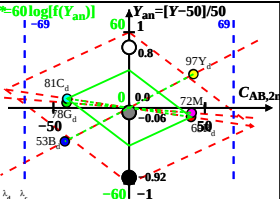
6 Ostwald-Farben (o)

von maximalem (m) C_{AB} im
linearen Farbenraum (C_{AB2}, Y)

Lichtart P35, $Y_W = 100, Y_N = 50$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R _d	575_775	86.85	68.98	26.28	0.4768	0.3787	605	496
Y _d	500_775	99.6	97.31	27.49	0.4438	0.4336	578	472
G _d	500_575	64.68	78.42	27.47	0.3791	0.4597	548	548c
C _d	380_575	68.8	81.16	52.44	0.3399	0.4009	496	605
B _d	380_500	56.05	52.83	51.23	0.35	0.3299	472	578
M _d	575_500	90.97	71.72	51.25	0.4251	0.3352	548c	548
W _d	380_775	103.66	99.99	52.43	0.4047	0.3904	100%	
N _d	380_775	51.83	49.99	26.21	0.4047	0.3904	50%	
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

$Y_W = 100, Y_N = 50$