

$XYZ_w = 97.93, 100.0, 118.95$

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

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

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

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

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

$x_c = 0,110, B_c = 0,700$

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

6 Ostwald-Farben (o)

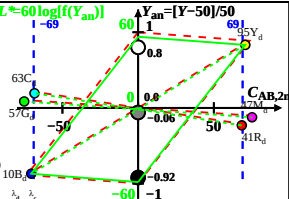
von maximalem (m) C_{AB}

linearen Farbenraum (C_{AB2}, Y)

Lichtart Q00, $Y_w = 100, Y_N = 4$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	567_775	62.49	41.42	4.92	0.5741	0.3806	596	487
Y_d	492_775	78.77	94.59	11.57	0.4259	0.5114	570	462
G_d	492_567	20.28	57.26	11.53	0.2277	0.6428	535	535c
C_d	380_567	39.45	62.67	118.91	0.1784	0.2835	487	596
B_d	380_492	23.18	9.51	112.25	0.1599	0.0656	462	570
M_d	567_492	81.66	46.84	112.3	0.3391	0.1945	535c	535
W_d	380_775	97.93	100.0	118.95	0.309	0.3155	100%	
N_d	380_775	3.91	4.0	4.75	0.309	0.3155	4%	
Z_d	380_775	17.62	18.0	21.41	0.309	0.3155	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 Q00

$Y_w = 100, Y_N = 4$