

$XYZ_W = 97.93, 100.0, 118.95$

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

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

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

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

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

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

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

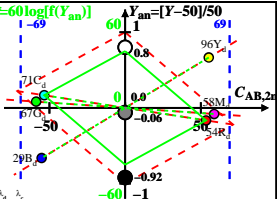
6 Ostwald-Farben (o)

von maximalem (m) C_{AB} im
linearen Farbenraum ($C_{AB,2r} Y$)

Lichtart Q00, $Y_W = 100, Y_N = 25$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R _d	567_775	70.27	54.26	29.89	0.455	0.3513	596	487
Y _d	492_775	82.98	95.79	35.09	0.388	0.4479	570	462
G _d	492_567	37.29	66.63	35.05	0.2683	0.4794	535	535c
C _d	380_567	52.26	70.86	118.94	0.2159	0.2927	487	596
B _d	380_492	39.55	29.32	113.74	0.2165	0.1605	462	570
M _d	567_492	85.24	58.49	113.78	0.331	0.2271	535c	535
W _d	380_775	97.93	100.0	118.95	0.309	0.3155	100%	
N _d	380_775	24.48	25.0	29.73	0.309	0.3155	25%	
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

$Y_W = 100, Y_N = 25$