

$XYZ_w = 100.0, 100.0, 100.0$

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

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

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

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

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

$x_c = 0,110, B_c = 0,900$

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

6 Ostwald-Farben (o)

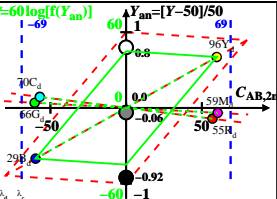
von maximalem (m) C_{AB}

linearen Farbenraum ($C_{AB,2n} Y$)

Lichtart E00, $Y_w = 100, Y_n = 25$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R _d	570_775	74.14	55.35	25.13	0.4794	0.3579	598	489
Y _d	494_775	87.55	96.13	29.6	0.4105	0.4507	573	463
G _d	494_570	38.51	65.88	29.56	0.2875	0.4918	536	536c
C _d	380_570	50.98	69.77	99.98	0.2309	0.316	489	598
B _d	380_494	37.56	28.98	95.52	0.2317	0.1788	463	573
M _d	570_494	86.6	59.23	95.56	0.3587	0.2453	536c	536
W _d	380_775	100.0	100.0	100.0	0.3333	0.3333	100%	
N _d	380_775	25.0	25.0	25.0	0.3333	0.3333	25%	
Z _d	380_775	18.0	18.0	18.0	0.3333	0.3333	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 E00

$Y_w = 100, Y_n = 25$