

$XYZ_w = 97.45, 100.0, 95.98$

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

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

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

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

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

$x_c = 0.110, B_c = 0.900$

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

6 Ostwald-Farben (o)

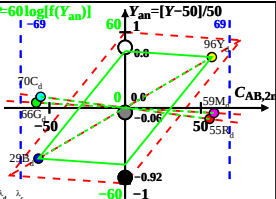
von maximalem (m) C_{AB}

linearen Farbenraum (C_{AB2}, Y)

Lichtart P55, $Y_w = 100, Y_N = 25$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R _d	569_775	72.43	55.21	24.12	0.4772	0.3637	597	490
Y _d	494_775	85.62	96.07	28.53	0.4072	0.4569	572	464
G _d	494_569	37.65	65.96	28.49	0.285	0.4992	536	536c
C _d	380_569	49.5	69.91	95.97	0.2298	0.3245	490	597
B _d	380_494	36.31	29.05	91.56	0.2314	0.1851	464	572
M _d	569_494	84.29	59.16	91.6	0.3586	0.2516	536c	536
W _d	380_775	97.45	100.0	95.98	0.3321	0.3407	100%	
N _d	380_775	24.36	25.0	23.99	0.3321	0.3407	25%	
Z _d	380_775	17.54	18.0	17.27	0.3321	0.3407	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 P55

$Y_w = 100, Y_N = 25$