

$XYZ_W = 97.06, 99.99, 104.57$

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

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

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

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

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

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

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

6 Ostwald-Farben (o)

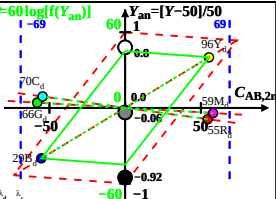
von maximalem (m) C_{AB}

linearen Farbenraum (C_{AB2}, Y)

Lichtart P60, $Y_W = 100, Y_N = 25$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R _d	568_775	71.38	55.07	26.28	0.4673	0.3605	596	489
Y _d	494_775	84.09	95.96	31.05	0.3983	0.4545	571	463
G _d	494_568	37.07	65.98	31.01	0.2765	0.4921	535	535c
C _d	380_568	50.07	70.04	104.56	0.2228	0.3117	489	596
B _d	380_494	37.36	29.16	99.79	0.2246	0.1753	463	571
M _d	568_494	84.38	59.13	99.83	0.3467	0.243	535c	535
W _d	380_775	97.06	99.99	104.57	0.3218	0.3315	100%	
N _d	380_775	24.26	24.99	26.14	0.3218	0.3315	25%	
Z _d	380_775	17.47	17.99	18.82	0.3218	0.3315	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 P60

$Y_W = 100, Y_N = 25$