

$XYZ_W = 97.06, 99.99, 104.57$

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

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

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

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

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

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

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

6 Ostwald-Farben (o)

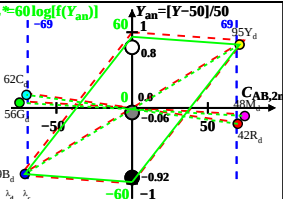
von maximalem (m) C_{AB}

linearen Farbenraum (C_{AB2}, Y)

Lichtart P60, $Y_W = 100, Y_N = 4$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R _d	568_775	64.16	42.46	4.33	0.5781	0.3827	596	489
Y _d	494_775	80.43	94.8	10.44	0.4331	0.5105	571	463
G _d	494_568	20.25	56.43	10.39	0.2325	0.648	535	535c
C _d	380_568	36.89	61.63	104.52	0.1816	0.3035	489	596
B _d	380_494	20.61	9.3	98.42	0.1606	0.0724	463	571
M _d	568_494	80.8	47.66	98.47	0.356	0.21	535c	535
W _d	380_775	97.06	99.99	104.57	0.3218	0.3315	100%	
N _d	380_775	3.88	3.99	4.18	0.3218	0.3315	4%	
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

$Y_W = 100, Y_N = 4$