

$XYZ_W=100.93, 100.0, 64.68$

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

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

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

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

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

$x_c = 0,110, B_c = 1,300$

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

6 Ostwald-Farben (o)

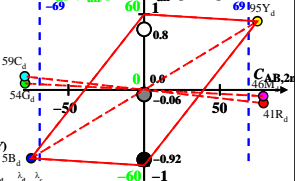
von maximalem (m) C_{AB}

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

Lichtart P40, $Y_W=100, Y_N=0$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R _d	573_775	70.25	41.25	0.17	0.629	0.3694	600	493
Y _d	498_775	90.6	95.35	4.18	0.4765	0.5014	576	468
G _d	498_573	20.55	54.29	4.13	0.2602	0.6873	540	540c
C _d	380_573	30.88	58.94	64.64	0.1999	0.3815	493	600
B _d	380_498	10.52	4.84	60.63	0.1384	0.0637	468	576
M _d	573_498	80.57	45.9	60.68	0.4305	0.2452	540c	540
W _d	380_775	100.93	100.0	64.68	0.3799	0.3764	100%	
N _d	380_775	0.1	0.1	0.06	0.3798	0.3763	0%	
Z _d	380_775	18.16	18.0	11.64	0.3799	0.3764	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 P40

$Y_W=100, Y_N=0$