

$XYZ_{W,10} = 97.09, 99.99, 104.01$

$A_{2,10} = 2,5 (a_{2,10} - a_{2,n,10}) Y_{10}$

$B_{2,10} = 2,5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$

$a_{2,10} = a_{20} [(x_{10} - x_c) / y_{10}]$

$b_{2,10} = b_{20} [z_{10} / y_{10}]$

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

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

$C_{AB,2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$

6 Ostwald-Farben (o)

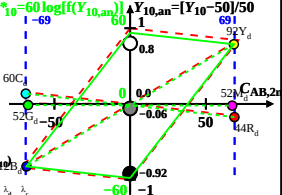
von maximalem (m) $C_{AB,10}$

linearen Farbenraum ($C_{AB,2,10}, Y_{10}$)

Lichtart P60, $Y_{W,10} = 100, Y_{N,10} = 4$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	563_775	64.92	44.29	4.26	0.572	0.3903	592	482
Y_d	487_775	80.34	92.41	10.48	0.4384	0.5043	567	460
G_d	487_563	19.39	52.21	10.48	0.2362	0.6359	528	528c
C_d	380_563	36.15	59.8	104.02	0.1807	0.299	482	592
B_d	380_487	20.73	11.69	97.79	0.1592	0.0897	460	567
M_d	563_487	81.68	51.89	97.79	0.353	0.2242	528c	528
W_d	380_775	97.09	99.99	104.01	0.3224	0.3321	100%	
N_d	380_775	3.88	3.99	4.16	0.3224	0.332	4%	
Z_d	380_775	17.47	17.99	18.72	0.3224	0.3321	18%	

$L^*_{10} = 60 \log[f(Y_{10,an})]$ $Y_{10,an} = [Y_{10} - 50] / 50$



$f(Y_{10,an}) = \pm [1 + 10 |Y_{10,an}|^n]$

n nähert sich 1 für:

1. abnehmendem Kontrast C
2. aneinandergrenzende / separate Farben.

Parameter:

Y_{10} & Name

Lichtart P60

$Y_{W,10} = 100, Y_{N,10} = 4$