

$XYZ_{W,10} = 98.51, 99.99, 86.17$

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

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

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

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

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

$x_c = 0,110, B_c = 1,000$

$C_{AB2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$

6 Ostwald-Farben (o)

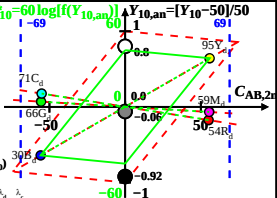
von maximalem (m) $C_{AB,10}$

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

Lichtart P50, $Y_{W,10} = 100, Y_{N,10} = 25$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	565_775	72.1	53.8	21.62	0.4887	0.3646	597	484
Y_d	489_775	87.84	94.66	25.8	0.4216	0.4544	569	461
G_d	489_565	40.46	65.96	25.8	0.3059	0.4988	534	534c
C_d	380_565	51.15	71.32	86.19	0.2451	0.3417	484	597
B_d	380_489	35.42	30.45	82.01	0.2395	0.2059	461	569
M_d	565_489	82.8	59.15	82.01	0.3696	0.2641	534c	534
W_d	380_775	98.51	99.99	86.17	0.346	0.3512	100%	
N_d	380_775	24.62	24.99	21.54	0.346	0.3512	25%	
Z_d	380_775	17.73	17.99	15.51	0.346	0.3512	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 P50

$Y_{W,10} = 100, Y_{N,10} = 25$