

$XYZ_{W,10} = 104.71, 99.99, 52.16$

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

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

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

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

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

$x_c = 0,110, B_c = 1,800$

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

6 Ostwald-Farben (o)

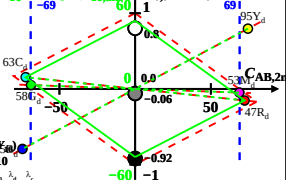
von maximalem (m) $C_{AB,10}$ im

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

Lichtart P35, $Y_{W,10} = 100, Y_{N,10} = 10$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	571_775	75.67	47.37	5.26	0.5897	0.3692	601	489
Y_d	494_775	97.24	94.82	8.23	0.4854	0.4734	574	466
G_d	494_571	32.14	57.54	8.23	0.3282	0.5876	540	540c
C_d	380_571	39.62	62.73	52.16	0.2564	0.4059	489	601
B_d	380_494	18.05	15.28	49.2	0.2187	0.1851	466	574
M_d	571_494	83.15	52.56	49.2	0.4496	0.2842	540c	540
W_d	380_775	104.71	99.99	52.16	0.4076	0.3892	100%	
N_d	380_775	10.47	9.99	5.21	0.4076	0.3892	10%	
Z_d	380_775	18.84	17.99	9.38	0.4076	0.3892	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 P35

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