

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

$A_{2,10} = 2.5 (a_{2,10} - a_{2,n,10}) Y_{10}$

$B_{2,10} = 2.5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$

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

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

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 1.800$

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

6 Ostwald-Farben (o)

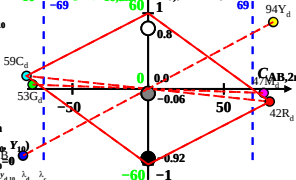
von maximalem (m) $C_{AB,10}$ im

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

Lichtart P35, $Y_{W,10} = 100, Y_{N,10} = 0$

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	72.46	41.57	0.1	0.6348	0.3642	601	489
Y_d	494_775	96.4	94.24	3.39	0.4968	0.4856	574	466
G_d	494_571	24.15	52.86	3.39	0.3003	0.6574	540	540c
C_d	380_571	32.45	58.62	52.16	0.2265	0.4092	489	601
B_d	380_494	8.51	5.95	48.86	0.1344	0.094	466	574
M_d	571_494	80.77	47.33	48.86	0.4563	0.2674	540c	540
W_d	380_775	104.71	99.99	52.16	0.4076	0.3892	100%	
N_d	380_775	0.1	0.09	0.05	0.4074	0.3891	0%	
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
 $Y_{W,10} = 100, Y_{N,10} = 0$