

$XYZ_{W,10} = 109.29, 99.99, 39.19$

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

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

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

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

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

$x_c = 0,110, B_c = 2,500$

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

6 Ostwald-Farben (o)

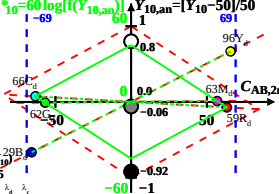
von maximalem (m) $C_{AB,10}$ im

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

Lichtart P30, $Y_{W,10} = 100, Y_{N,10} = 25$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	574_775	86.99	58.92	9.83	0.5585	0.3782	602	491
Y_d	497_775	104.74	95.87	11.46	0.4938	0.452	577	469
G_d	497_574	45.17	62.04	11.46	0.3806	0.5227	542	542c
C_d	380_574	49.75	66.19	39.2	0.3206	0.4266	491	602
B_d	380_497	32.0	29.25	37.58	0.3238	0.2959	469	577
M_d	574_497	91.57	63.07	37.58	0.4763	0.3281	542c	542
W_d	380_775	109.29	99.99	39.19	0.4398	0.4024	100%	
N_d	380_775	27.32	24.99	9.79	0.4398	0.4024	25%	
Z_d	380_775	19.67	17.99	7.05	0.4398	0.4024	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 P30
 $Y_{W,10} = 100, Y_{N,10} = 25$