

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

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

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

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

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

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

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

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

6 Ostwald-Farben (o)

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

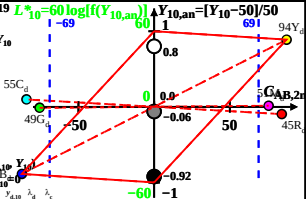
linearen Farbenraum ($C_{AB,2,10}$)

Lichtart P30, $Y_{W,10} = 100, Y_{N,10} = 0$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	574_775	79.56	45.25	0.07	0.637	0.3623	602	491
Y_d	497_775	103.1994	46	2.24	0.5162	0.4725	577	469
G_d	497_574	23.85	49.41	2.24	0.3159	0.6543	542	542c
C_d	380_574	29.95	54.94	39.19	0.2413	0.4427	491	602
B_d	380_497	6.31	5.73	37.03	0.1286	0.1168	469	577
M_d	574_497	85.65	50.78	37.03	0.4937	0.2927	542c	542
W_d	380_775	109.2999	99	39.19	0.4398	0.4024	100%	
N_d	380_775	0.1	0.09	0.03	0.4396	0.4022	0%	
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

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