

XYZ_{W,10}=97.65, 100.0, 95.55

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

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

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

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

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

$$x_c = 0,110, B_c = 0,900$$

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

6 Ostwald-Farben (o)

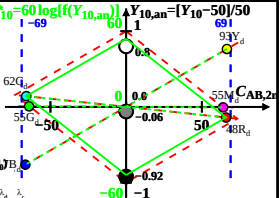
von maximalem (m) $C_{AR,10}$ im

linearen Farbenraum ($C_{AB,2,10}$, Y_1)

Lichtart P55, $Y_{w10}=100$, $Y_{s10}=10$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	564_775	68.21	47.99	9.65	0.5419	0.3813	593	483
Y_d	488_775	83.33	93.29	15.22	0.4343	0.4862	568	460
G_d	488_564	24.97	55.39	15.22	0.2612	0.5794	529	529c
C_d	380_564	39.31	62.11	95.56	0.1996	0.3153	483	593
B_d	380_488	24.19	16.81	89.98	0.1847	0.1283	460	568
M_d	564_488	82.55	54.71	89.98	0.3632	0.2407	529c	529
W_d	380_775	97.65	100.0	95.55	0.333	0.341	100%	
N_d	380_775	9.76	10.0	9.55	0.333	0.341	10%	
Z_d	380_775	17.57	18.0	17.19	0.333	0.341	18%	

$$L^*_{10}=60\log[f(Y_{10,\text{an}})] \uparrow Y_{10,\text{an}}=[Y_{10}-50]/50$$



$$f(Y_{10,20}) = \pm [1 + 10 |Y_{10,20}|^n]$$

n nähert sich 1 für:

1. abnehmendem

Kontrast C

2. aneinandergrenzende

/ separate Farben.

Parameter:

Y10 & Name

Lichtart P55

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