

$XYZ_w=109.84, 99.99, 35.58$

$$A_2 = 2,5 (a_2 - a_{2,n}) Y$$
$$B_2 = 2,5 B_1 (b_2 - b_{2,0}) Y$$
$$a_2 = a_{20} [(x - x_c) / y]$$
$$b_2 = b_{20} [x/y]$$
$$a_{20} = 1, b_{20} = -0,4$$
$$x_c = 0,110, B_c = 2,500$$
$$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$$

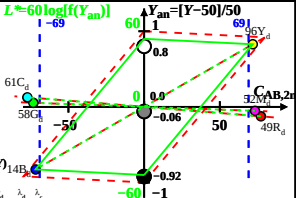
6 Ostwald-Farben (o)

von maximalem (m) C_{AR}

linearen Farbenraum ($C_{AR,3}$, Y)

Lichtart A00, $Y_{\text{uv}}=100$, $Y_{\text{v}}=10$

Name	Bereich	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	579_775	82.91	48.77	3.63	0.6127	0.3604	605	499
Y_d	504_775	105.02	96.39	5.69	0.507	0.4654	581	474
G_d	504_579	33.2	57.71	5.65	0.3437	0.5976	547	547c
C_d	380_579	38.03	61.33	35.54	0.2819	0.4545	499	605
B_d	380_504	15.93	13.71	33.48	0.2523	0.2172	474	581
M_d	579_504	87.75	52.39	33.52	0.5052	0.3016	547c	547
W_d	380_775	109.84	99.99	35.58	0.4475	0.4074	100%	
N_d	380_775	10.98	9.99	3.55	0.4475	0.4074	10%	
Z_d	380_775	19.77	17.99	6.4	0.4475	0.4074	18%	

$$L^* = 60 \log[f(Y_{20})]$$

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

n nähert sich 1 für:

1. abnehmendem Kontrast C

2. aneinandergrenzende / separate Farben.

Parameter:

Y & Name

Lichtart A00

$$Y_W=100, Y_N=10$$