

$XYZ_W=96.42, 100.0, 82.49$

$A_2 = 2,5 (a_2 - a_{2,n}) Y$

$B_2 = 2,5 (b_2 - b_{2,n}) Y$

$a_2 = a_{20} [(x - x_c) / y]$

$b_2 = b_{20} B_c [z / y]$

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

$x_c = 0,110, B_c = 1,000$

$C_{AB,2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald-Farben (o), $C_{AB,2} = \text{const}$

Farbenraum ($C_{AB,2}, L_{CIE}^*$)

$L_{CIE}^* = 116(Y/100)^{1/3} - 16$ ($Y > 0,8856$) oder

$L_{CIE}^* = 116[(841/108)(Y/100) + 4/29] - 16$

Lichtart D50, $Y_W=90,0, Y_N=3,6$

-74 Parameter:

L_{CIE}^* & Name

$Y_r = Y/18,$

$L' = L^* - 50$

L_{CIE}^*

100

90

50

47

4

74

94Y

98Y_d

36B

29B_d

$C_{AB,2}$



Name	Bereich	X	Y	Z	x	y	λ_d	λ_c	a_2	b_2	c_2	A_2	B_2	$C_{AB,2}$	$h_{AB,2}$	Y_r	L_{CIE}^*	L_{CIE}^*	L_{Tur}^*	L_{Tar}^*
R _n	570_775	59.53	38.15	3.01	0.591	0.378598	491	1.27	-0.031	0.681	58.4	28.4	65.0	25	2.11	68.1	68.8	68.6	65.7	
Y _n	496_775	75.27	84.84	6.65	0.451	0.508573	468	0.67	-0.031	0.299	2.8	63.3	63.4	87	4.71	93.8	94.7	88.5	79.3	
G _n	496_570	19.2	50.29	6.61	0.252	0.66	538	538	0.215	-0.052	0.521	-55.5	34.8	65.6	147	2.79	76.2	77.0	75.5	70.9
C _n	380_570	30.71	55.44	74.2	0.191	0.345491	598	0.235	-0.535	0.469	-58.4	-28.4	65.0	205	3.08	79.2	80.0	77.9	72.6	
B _n	380_496	14.97	8.75	70.56	0.158	0.092468	573	0.526	-3.223	2.896	-2.8	-63.3	63.4	267	0.48	35.5	35.8	32.0	34.8	
M _n	570_496	71.04	43.31	70.6	0.384	0.234538	538	1.17	-0.652	0.606	55.5	-34.8	65.6	327	2.4	71.7	72.4	71.8	68.1	
W _n	380_775	86.78	90.0	74.24	0.345	0.358	90%		0.657	-0.329	0.01	0.0	0.0	0.0	0	4.99	95.9	96.9	90.0	80.1
N _d	380_775	3.47	3.6	2.96	0.345	0.358	3%		0.657	-0.329	0.01	0.0	0.0	0.0	181	0.19	22.3	22.5	10.0	19.8
U _d	380_775	17.35	18.0	14.84	0.345	0.358	18%		0.657	-0.329	0.01	0.0	0.0	0.0	186	1.0	49.5	50.0	50.0	50.0