

$XYZ_W = 96.42, 100.0, 82.49$

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

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

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

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

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

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

$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$

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, $Y_W = 54.0, Y_N = 6.0$

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	570_775	36.93	25.19	4.97	0.55	0.375598	491	1.172	-0.078	0.573	32.4	15.8	36.1	25	1.39	57.2	57.8	58.3	57.2	
Y _o	496_775	45.67	51.13	6.99	0.44	0.492573	468	0.669	-0.054	0.275	1.5	35.1	35.2	87	2.84	76.7	77.5	75.9	71.2	
G	496_570	14.52	31.93	6.97	0.271	0.597538	538	0.27	-0.087	0.456	-30.8	19.3	36.4	147	1.77	63.2	63.9	64.2	62.2	
C _o	380_570	20.92	34.8	44.52	0.208	0.347491	598	0.284	-0.511	0.415	-32.4	-15.8	36.1	205	1.93	65.5	66.2	66.3	63.9	
B	380_496	12.17	8.86	42.5	0.191	0.139468	573	0.585	-1.917	1.589	-1.5	-35.1	35.2	267	0.49	35.7	36.0	32.3	35.0	
M	570_496	43.32	28.06	42.52	0.38	0.246538	538	1.097	-0.606	0.519	30.8	-19.3	36.4	327	1.55	59.9	60.5	61.0	59.5	
W _o	380_775	52.06	54.0	44.54	0.345	0.358	54%		0.657	-0.329	0.01	0.0	0.0	0.0	0	3.0	78.4	79.2	77.3	72.1
N _o	380_775	5.78	6.0	4.94	0.345	0.358	6%		0.657	-0.329	0.01	0.0	0.0	0.0	181	0.33	29.4	29.7	22.6	27.8
U _o	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	201	1.0	49.5	50.0	50.0	50.0

-74 Parameter:

L_{CIE}^* & Name

$Y_r = Y/18,$

$L' = L^* - 50$

