

$XYZ_W=95.04, 100.0, 108.89$

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

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

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

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

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

$x_c = 0,110, B_c = 0,800$

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

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 D65, $Y_W=54.0, Y_N=6.0$

-74 Parameter:

L_{CIE}^* & Name

$Y_r = Y/18,$

$L' = L^* - 50$

L_{CIE}^*

100

90

50

47

4

74

94Y_d

74Y_d

34B_d

27B_d

$C_{AB,2}$



Lichtart D65, $Y_W=54.0, Y_N=6.0$

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 _n	567_775	30.89	21.77	5.9	0.527	0.371	1596	489	1.122	-0.086	0.57	27.5	14.2	31.0	27	1.2	53.7	54.3	54.7	54.1
Y _n	493_775	38.44	46.11	8.79	0.411	0.493	570	463	0.61	-0.061	0.287	-0.5	33.1	33.1	91	2.56	73.6	74.3	73.3	69.3
G _n	493_567	12.68	29.74	8.77	0.247	0.58	535	535	0.237	-0.094	0.456	-28.1	18.8	33.9	146	1.65	61.4	62.0	62.4	60.7
C _n	380_567	20.43	32.22	52.9	0.193	0.305	489	596	0.273	-0.525	0.385	-27.5	-14.2	31.0	207	1.79	63.5	64.1	64.4	62.3
B _n	380_493	12.87	7.88	50.0	0.181	0.111	463	570	0.646	-2.03	1.682	0.5	-33.1	33.1	271	0.43	33.7	34.0	29.4	32.7
M _n	567_493	38.63	24.25	50.02	0.342	0.214	535	535	1.08	-0.659	0.559	28.1	-18.8	33.9	326	1.34	56.3	56.9	57.4	56.4
W _d	380_775	51.32	54.0	58.8	0.312	0.329	54%	0.616	-0.348	0.01	0.0	0.0	0.0	0.0	0	3.0	78.4	79.2	77.3	72.1
N _d	380_775	5.7	6.0	6.53	0.312	0.329	6%	0.616	-0.348	0.01	0.0	0.0	0.0	0.0	178	0.33	29.4	29.7	22.6	27.8
U _d	380_775	17.1	18.0	19.6	0.312	0.329	18%	0.616	-0.348	0.01	0.0	0.0	0.0	0.0	180	1.0	49.5	50.0	50.0	50.0