

CIE02-Normfarbwerte, Buntwerte und Farbarnten ($n_2=2.5, n_0=-1.0$).

Normierte Ostwald (O)-Farbwerte ($Y_w=100$), geordnet nach Wellenlänge.

λ_n	Normfarbwerte und -anteile					nu-Buntwerte					
	X	Y	Z	x	y	A_m	B_m	C_{ABm}	h_{ABm}		
00	396	31.24	12.19	76.69	0.260	0.101	0.638	-48.7	-66.6	82.6	306
01	463	31.25	63.34	78.11	0.135	0.064	0.799	-48.7	-72.9	75.0	283
02	466	13.27	8.01	79.21	0.132	0.079	0.788	-13.8	-72.6	73.9	280
03	471	13.39	12.66	80.68	0.125	0.118	0.755	-2.9	-70.2	70.3	272
04	475B	14.00	19.21	81.44	0.122	0.167	0.710	-11.2	-65.6	66.5	260
05	479	15.61	27.50	81.85	0.124	0.220	0.655	-27.1	-59.2	65.1	245
06	481	18.42	36.66	82.05	0.134	0.267	0.598	-42.2	-51.9	66.8	230
07	483	20.35	41.45	82.11	0.141	0.288	0.570	-48.9	-48.0	68.5	224
08	484	22.64	46.29	82.14	0.149	0.306	0.543	-54.8	-44.0	70.3	218
09	485	25.29	51.06	82.16	0.159	0.322	0.518	-59.6	-40.1	71.9	213
10	486C	26.62	57.81	81.62	0.175	0.341	0.482	-65.1	-34.0	73.5	207
11	490	26.32	58.17	83.51	0.177	0.393	0.429	-74.2	-15.6	75.8	196
12	497	23.01	56.86	82.40	0.185	0.472	0.342	-83.6	-5.7	83.8	176
13	501	22.62	59.57	35.18	0.192	0.507	0.299	-86.8	3.7	87.9	170
14	506	22.26	60.29	28.28	0.200	0.543	0.255	-89.4	21.2	91.9	166
15	519	21.83	61.02	17.06	0.218	0.610	0.170	-92.3	33.1	98.0	160
16	522G	24.04	63.42	17.06	0.230	0.606	0.163	-92.5	35.0	99.0	159
17	535	27.22	66.19	9.71	0.263	0.641	0.094	-91.2	44.7	101.6	153
18	544	35.20	72.16	7.33	0.306	0.629	0.063	-85.7	52.0	100.2	148
19	561	65.07	87.80	5.54	0.410	0.554	0.034	-48.6	66.6	82.5	126
20	568	83.05	93.65	4.13	0.459	0.517	0.022	-17.8	72.8	75.9	103
21	569	83.03	91.98	3.02	0.466	0.516	0.016	-13.8	72.6	73.9	100
22	571	82.92	87.83	2.55	0.482	0.508	0.013	-9.2	70.2	73.5	97
23	573Y	82.30	80.76	1.80	0.502	0.492	0.004	-11.3	65.6	66.5	80
24	577	80.69	72.49	0.38	0.525	0.472	0.002	-27.2	59.2	65.1	65
25	581	77.87	63.33	0.18	0.550	0.447	0.001	-42.2	51.8	66.9	50
26	583	75.96	58.54	0.13	0.564	0.434	0.000	-48.9	48.0	68.5	44
27	585	73.67	53.70	0.09	0.577	0.421	0.000	-54.9	44.0	70.3	38
28	587	71.01	48.93	0.07	0.591	0.407	0.000	-59.7	40.1	72.0	33
29	592R	66.69	42.18	0.61	0.609	0.385	0.005	-65.1	34.0	73.5	27
30	631	69.99	41.82	18.71	0.536	0.320	0.143	-74.3	15.6	75.9	11
31	702	73.30	41.33	39.75	0.474	0.267	0.257	-83.7	-5.7	83.9	356
32	706	73.69	40.41	47.04	0.457	0.250	0.291	-86.9	-13.8	88.0	350
33	711	74.05	39.70	53.95	0.441	0.236	0.321	-89.5	-21.3	92.0	346
34	724	74.28	36.57	65.17	0.415	0.218	0.364	-92.6	-35.1	98.1	340
35	727M	72.26	36.57	65.17	0.415	0.210	0.374	-92.6	-35.1	99.0	339
36	740	69.08	33.80	72.53	0.393	0.192	0.413	-91.3	-44.7	101.7	333
37	749	61.10	27.83	74.91	0.372	0.169	0.457	-85.7	-52.0	100.3	328
38	766	31.24	12.19	76.69	0.260	0.101	0.638	-48.7	-66.6	82.6	306
39	828	13.25	63.34	78.11	0.135	0.064	0.799	-48.7	-72.9	75.0	283
U=D=50	96.31	99.99	82.14	0.345	0.358	0.358		0.0	0.0	0.0	0

$a_{Pm} = a_{Pn} P_n = 2.5 \cdot [(1.000 + 0.000 + 0.000) / y]$
 $A_m = (a - b) / y$
 $C_{ABm} = [A_m^2 + B_m^2]^{1/2}$
 $h_{ABm} = 2.5 \cdot [(1.000 + 0.000 + 0.000) / (x + y)]$
 $B_m = (b - a) / y$

U=D50 99.31 99.99 82.24 0.345 3.358 0.358 0.0 0.0 0.0 0.0 0.0 0.0

$a^*_{p=50,n_2,p_0} = 2.5[(1.0000 + 0.0000 + 0.0000)z]$ $A^*_{p=50} = (a^* - a^*_0) Y$ $C_{ABm} = [A^*_{p=50} + B^*_{p=50}]^{1/2}$

$b^*_{p=50,n_2,p_0} = -1.0[(0.0000 + 0.0000 + 1.0000)y]$ $B^*_{p=50} = (b^* - b^*_0) Y$ $h_{ABm} = \text{atan}[B^*_{p=50}/A^*_{p=50}]$

CIE02-Normfarbwerte, Buntwerte und Farbarnten ($n_2=2.5, n_0=-1.0$).

Normierte Ostwald (O)-Farbwerte ($Y_w=100$), geordnet nach Wellenlänge.

λ_n	Y	n-Farbart				nu-Farbart				
		p_m	p_n	p_{nn}	h_{nn}	p_m	p_n	p_{nn}	h_{nn}	
00	396	12.19	6.40	-6.29	8.97	315	3.99	-5.46	6.77	306
01	463	6.34	5.22	-12.32	13.38	292	2.81	-11.49	11.83	283
02	466	8.01	4.14	-9.88	10.72	292	1.73	-9.06	9.23	280
03	471	12.66	2.64	-6.37	6.89	292	0.23	-5.55	5.55	272
04	475B	19.21	1.82	-4.23	4.61	293	-0.58	-3.41	3.46	260
05	479	27.50	1.41	-2.97	3.29	295	-0.98	-2.15	2.36	245
06	481	36.66	1.25	-2.23	2.56	299	-1.15	-1.41	1.82	230
07	483	41.45	1.22	-1.98	2.33	301	-1.17	-1.15	1.65	224
08	484	46.29	1.22	-1.77	2.15	304	-1.18	-0.95	1.51	218
09	485	51.06	1.23	-1.60	2.03	307	-1.16	-0.78	1.40	213
10	486C	57.81	1.28	-1.41	1.90	312	-1.12	-0.58	1.27	207
11	490	58.17	1.13	-1.09	1.57	316	-1.27	-0.26	1.30	191
12	497	56.86	0.98	-0.72	1.21	323	-1.42	0.09	1.43	176
13	501	59.57	0.94	-0.59	1.11	328	-1.45	0.23	1.47	170
14	506	60.29	0.92	-0.46	1.03	333	-1.48	0.35	1.52	166
15	519	61.02	0.89	-0.27	0.93	342	-1.51	0.54	1.60	160
16	522G	63.42	0.94	-0.26	0.98	344	-1.45	0.55	1.56	159
17	535	66.19	1.02	-0.14	1.03	351	-1.37	0.67	1.53	153
18	544	72.16	1.21	-0.10	1.22	355	-1.18	0.72	1.38	148
19	561	87.80	1.85	-0.06	1.85	358	-0.55	0.75	0.94	126
20	568	93.65	2.21	-0.04	2.21	358	-0.19	0.77	0.80	103
21	569	91.98	2.25	-0.03	2.25	359	-0.15	0.78	0.80	100
22	571	92.33	2.37	-0.01	2.37	360	-0.13	0.81	0.80	97
23	573Y	90.76	2.54	-0.00	2.54	359	-0.11	0.81	0.82	80
24	577	72.49	2.78	-0.00	2.78	359	-0.37	0.81	0.89	65
25	581	63.33	3.07	-0.00	3.07	359	0.66	0.81	1.05	50
26	583	58.54	3.24	-0.00	3.24	359	0.83	0.82	1.17	44
27	585	53.70	3.42	-0.00	3.42	359	1.02	0.82	1.31	38
28	587	48.93	3.62	-0.00	3.62	359	1.22	0.82	1.47	33
29	592R	42.18	3.95	-0.01	3.95	359	1.54	0.80	1.74	27
30	631	41.82	4.18	-0.44	4.20	353	1.77	0.37	1.81	11
31	702	41.33	4.43	-0.96	4.53	347	2.02	-0.13	2.03	356
32	706	40.41	4.55	-1.16	4.70	345	2.15	-0.34	2.17	350
33	711	39.70	4.66	-1.35	4.85	343	2.25	-0.53	2.31	346
34	724	38.97	4.77	-1.67	5.06	340	2.53	-0.78	2.51	340
35	727M	36.57	4.94	-1.78	5.25	340	2.53	-0.95	2.50	339
36	740	33.80	5.11	-2.14	5.54	337	2.70	-1.32	3.00	333
37	749	27.83	5.48	-2.69	6.11	333	3.08	-1.86	3.60	328
38	766	12.19	6.40	-6.29	8.97	315	3.99	-5.46	6.77	306
39	828	63.34	5.22	-12.32	13.38	292	2.81	-11.49	11.83	283
U=D50	99.99	2.407	-0.822	2.543	341	0.0	0.0	0.0	0.0	0.0

$\sigma_{\text{p-m}} = \sigma_{\text{p-n}} = 2.5[(0.000+0.000+0.000)/y]$
 $\sigma_{\text{p-n}} = \sigma_{\text{p-n}} = 2.5[(0.000+0.000+0.000)/y]$
 $R_{\text{A}} = (a-a_y) Y$
 $C_{\text{ABM}} = [A_{\text{ABM}}^2 + B_{\text{ABM}}^2]^{1/2}$
 $B_{\text{ABM}} = (b-h_y) Y$
 $C_{\text{ABM}} = [A_{\text{ABM}}^2 + B_{\text{ABM}}^2]^{1/2}$

U=D50 99.99 2.407 -0.822 2.543 341 0.0 0.0 0.0 0.0 0.0 0.0

$a^*_{p=50,n_2,p_0} = 2.5[(1.0000 + 0.0000 + 0.0000)z]$ $A^*_{p=50} = (a^* - a^*_0) Y$ $C_{ABm} = [A^*_{p=50} + B^*_{p=50}]^{1/2}$

$b^*_{p=50,n_2,p_0} = -1.0[(0.0000 + 0.0000 + 1.0000)y]$ $B^*_{p=50} = (b^* - b^*_0) Y$ $h_{ABm} = \text{atan}[B^*_{p=50}/A^*_{p=50}]$

CIE02-Normfarbwerte, Buntwerte und Farbarnten ($n_2=2.5, n_0=-1.0$).

Normierte Ostwald (O)-Farbwerte ($Y_w=100$), geordnet nach Buntwinkel.

λ_n	Normfarbwerte und -anteile					nu-Buntwerte					
	X	Y	Z	x	y	B_m	C_{ABm}	h_{ABm}			
00	631	69.99	41.82	18.71	0.536	0.320	0.143	-74.3	15.6	75.9	371
01	702	73.30	41.33	39.75	0.474	0.267	0.257	-83.7	-5.7	83.9	356
02	706	73.69	41.41	47.04	0.457	0.250	0.291	-86.9	-13.8	88.0	350
03	711	74.05	39.70	53.95	0.441	0.236	0.321	-89.5	-21.3	92.0	346
04	724	74.28	36.57	65.17	0.415	0.218	0.364	-92.3	-33.1	98.1	340
05	727M	72.26	36.57	65.17	0.415	0.210	0.374	-92.6	-35.1	99.0	339
06	740	69.08	33.80	72.53	0.393	0.192	0.413	-91.3	-44.7	101.7	333
07	749	61.10	27.83	74.91	0.372	0.169	0.457	-85.7	-52.0	100.3	328
08	396	31.24	12.19	76.69	0.260	0.101	0.638	-48.7	-66.6	82.6	306
09	406	31.25	63.34	70.13	0.135	0.064	0.799	-17.8	-72.8	75.0	283
10	466	13.27	8.01	79.21	0.132	0.079	0.788	-13.8	-72.6	73.9	280
11	471	13.39	12.66	80.68	0.125	0.118	0.755	-2.9	-70.2	70.3	272
12	475B	14.00	19.21	81.44	0.122	0.167	0.710	-11.2	-65.6	66.5	260
13	479	15.61	27.50	81.85	0.124	0.220	0.655	-27.1	-59.2	65.1	245
14	481	18.42	36.66	82.05	0.134	0.267	0.598	-42.2	-51.9	66.8	230
15	483	20.35	41.45	82.11	0.141	0.288	0.570	-48.9	-48.0	68.5	224
16	484	22.64	46.29	82.14	0.149	0.306	0.543	-54.8	-44.0	70.3	218
17	485	25.29	51.06	82.16	0.159	0.322	0.518	-59.6	-40.1	71.9	213
18	486	26.92	57.81	81.62	0.175	0.341	0.482	-65.1	-34.0	73.5	207
19	490	26.32	58.17	63.51	0.177	0.393	0.429	-74.2	-15.6	75.8	191
20	501	23.01	58.66	42.48	0.185	0.472	0.342	-83.6	5.7	83.8	176
21	507	22.62	59.57	35.18	0.192	0.507	0.299	-86.8	13.7	87.9	170
22	508	22.26	60.29	28.28	0.200	0.543	0.255	-89.4	21.9	91.9	166
23	513	21.83	61.02	17.06	0.218	0.610	0.170	-92.3	33.0	95.9	160
24	522	24.04	63.42	17.06	0.230	0.606	0.163	-92.5	35.0	99.0	159
25	535	27.22	66.19	9.71	0.263	0.641	0.094	-91.2	44.7	101.6	153
26	544	35.20	72.16	7.33	0.306	0.629	0.063	-85.7	52.0	100.2	148
27	561	65.07	87.80	5.54	0.410	0.554	0.034	-48.6	66.6	82.5	126
28	568	83.05	93.65	4.13	0.459	0.517	0.022	-17.8	72.8	75.5	103
29	569	83.03	91.98	3.02	0.466	0.516	0.016	-13.8	72.6	73.9	100
30	571	82.92	87.33	1.55	0.482	0.508	0.009	-2.9	70.2	73.0	92
31	5773	82.30	80.79	0.80	0.502	0.492	0.004	11.3	65.6	66.5	80
32	5773	80.66	79.48	0.38	0.525	0.472	0.002	-27.2	59.2	65.1	65
33	581	79.07	72.43	0.18	0.550	0.467	0.001	-42.2	51.9	66.8	59
34	583	75.96	58.54	0.13	0.564	0.434	0.000	-48.9	48.0	68.5	44
35	585	73.67	53.70	0.09	0.577	0.421	0.000	-54.9	44.0	70.4	38
36	587R	71.01	48.93	0.07	0.591	0.407	0.000	-59.7	40.1	72.0	33
37	592	66.69	42.18	0.61	0.609	0.385	0.005	-65.1	34.0	73.5	27
38	631	69.99	41.82	18.71	0.536	0.320	0.143	-74.3	15.6	75.9	11
39	702	73.30	41.33	39.75	0.474	0.267	0.257	-83.7	-5.7	83.9	-3
U=D50 96.31 99.59 82.24 0.345 0.358 0.358 $C_{ABm} = 0.00$ $h_{ABm} = 0.00$ $a_{-p-p} = p_{-p-1} = 2.5 \cdot [(1.000 + 0.000 + 0.000) \cdot y]$ $b_{-p-p} = (a_{-p} - y) \cdot C_{ABm} = [-a_{-p}^2 + B_{-p}^2]^{1/2}$ $b_{-p-p} = n_{b-p-1} = -1.0 [(1.000 + 0.000 + 1.000) \cdot y]$ $B_{-p-p} = (b_{-p} - y) \cdot h_{ABm} = -atan[B_{-p} / A_{-p}]$											
© 2000, TML											