

CIE02-Normfarbwerte, Buntwerte und Farbarnten ($n=2,5, n_0=-1,0$).

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

λ_n	Normfarbwerte und -anteile				nu-Buntwerte			
	X	Y	Z	x	Y_w	B_m	C_{ABm}	h_{ABm}
00 396	31.24	12.19	76.69	0.260	0.101	0.638	-11.9	-66.6 67.7 280
00 436	31.25	63.34	70.13	0.135	0.064	0.799	-16.3	-72.9 74.7 257
02 466	13.27	8.01	79.21	0.132	0.079	0.788	-19.5	-72.6 75.2 254
03 471	13.39	12.66	80.68	0.125	0.118	0.755	-27.5	-70.2 75.4 248
04 475B	14.00	19.21	81.44	0.122	0.167	0.710	-37.4	-65.6 75.5 240
05 479	15.61	27.01	81.85	0.124	0.220	0.655	-47.8	-59.2 76.1 231
06 481	18.42	36.66	82.05	0.134	0.267	0.598	-57.1	-51.9 77.2 222
07 483	20.35	41.45	82.11	0.141	0.288	0.570	-61.0	-48.0 77.7 218
08 484	22.64	46.29	82.14	0.149	0.306	0.543	-64.3	-44.0 77.9 214
09 485	25.29	51.06	82.16	0.159	0.322	0.518	-66.6	-40.1 77.8 211
10 486C	29.62	57.81	81.62	0.175	0.341	0.482	-68.5	-34.0 76.5 206
11 490	26.32	58.17	83.51	0.177	0.393	0.429	-68.2	-15.6 70.0 192
12 497	23.01	60.66	82.40	0.185	0.472	0.364	-66.9	5.7 67.1 175
13 501	22.62	59.57	35.18	0.192	0.507	0.299	-66.1	3.7 67.5 168
14 506	22.26	60.29	28.28	0.200	0.543	0.255	-65.0	21.2 68.4 161
15 519	21.83	61.02	17.06	0.218	0.610	0.170	-62.3	33.1 70.6 152
16 522G	24.04	63.42	17.06	0.230	0.606	0.163	-61.7	35.0 71.0 150
17 535	27.22	66.19	9.71	0.263	0.641	0.094	-56.5	44.7 72.1 141
18 544	35.20	72.16	7.33	0.306	0.629	0.063	-48.8	52.0 71.3 133
19 561	65.07	87.80	5.54	0.410	0.554	0.034	-11.8	66.6 67.7 100
20 568	83.05	93.65	4.13	0.459	0.517	0.022	16.3	72.8 74.6 77
21 569	83.03	91.98	3.02	0.466	0.516	0.016	19.5	72.6 75.2 74
22 573	82.92	88.23	1.55	0.482	0.508	0.009	27.5	70.2 75.4 68
23 573Y	82.30	80.76	0.80	0.502	0.492	0.004	37.4	65.6 75.5 60
24 577	80.69	72.49	0.38	0.525	0.472	0.002	47.8	59.2 76.1 51
25 581	77.87	63.33	0.18	0.550	0.447	0.001	57.1	51.8 77.2 42
26 583	75.96	58.54	0.13	0.564	0.434	0.000	61.1	48.0 77.9 38
27 585	73.67	53.70	0.09	0.577	0.421	0.000	64.3	44.0 77.9 34
28 587	71.01	48.93	0.07	0.591	0.407	0.000	66.7	40.1 77.8 31
29 592R	66.69	42.18	0.61	0.609	0.385	0.005	68.5	34.0 76.5 26
30 631	69.99	41.82	18.71	0.536	0.320	0.143	68.2	15.6 70.0 12
31 702	73.30	41.33	39.75	0.474	0.267	0.257	66.9	-5.7 67.2 355
32 706	73.69	40.41	47.04	0.457	0.250	0.291	66.1	-13.8 67.5 348
33 711	74.05	39.70	53.95	0.441	0.236	0.321	65.1	-21.3 68.5 341
34 724	74.38	38.97	65.17	0.415	0.218	0.364	61.7	-35.1 71.0 340
35 727M	72.26	36.57	65.17	0.415	0.210	0.374	61.7	-35.1 71.0 330
36 740	69.08	33.80	72.53	0.393	0.192	0.413	56.6	-44.7 72.1 321
37 749	61.10	27.83	74.91	0.372	0.169	0.457	48.8	-52.0 71.3 313
38 766	31.24	12.19	76.69	0.260	0.101	0.638	-11.9	-66.6 67.7 280
39 828	13.25	6.34	78.11	0.135	0.064	0.799	-16.3	-72.9 74.7 257

$u=D50 \quad 96.31 \quad 99.99 \quad 82.24 \quad 0.345 \quad 35.8 \quad 35.8 \quad 35.8 \quad 0.0 \quad 0.0 \quad 0.0$
 $a=P_{m0} \quad P_{m1} \quad P_{m2} = 2.5[(1.000x+0.171+0.000z)/y] \quad A_m=(a-a_0)/Y \quad C_{ABm}=[A_m^2+B_m^2]^{1/2}$
 $b=P_{m0} \quad P_{m1} \quad P_{m2} = -1.0[(0.000x+0.000+1.000z)/y] \quad B_m=(b-b_0)/Y \quad h_{ABm}=\text{atan}[B_m/A_m]$

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

λ	Y	n-Farbart				nu-Farbart			
		p_{an}	h_{an}	p_{bn}	h_{bn}	p_{an}	h_{an}	p_{bn}	h_{bn}
00 396	12.19	2.19	-6.29	6.66	289	0.97	-5.46	5.55	280
01 463	6.34	3.36	-12.32	12.39	263	-2.57	-11.49	11.78	257
02 466	8.01	-1.22	-9.88	9.96	262	-2.43	-9.06	9.38	254
03 471	12.66	-0.95	-6.37	6.44	261	-2.17	-5.55	5.96	248
04 475B	19.21	-0.72	-4.23	4.29	260	-1.94	-3.41	3.93	240
05 479	27.50	-0.52	-2.97	3.02	260	-1.74	-2.15	2.76	231
06 481	36.66	-0.34	-2.23	2.26	261	-1.55	-1.41	2.10	222
07 483	41.45	-0.25	-1.98	1.99	262	-1.47	-1.15	1.87	218
08 484	46.29	-0.17	-1.77	1.78	264	-1.38	-0.95	1.68	214
09 485	51.06	-0.08	-1.60	1.61	266	-1.30	-0.78	1.52	211
10 486C	57.81	0.03	-1.41	1.41	271	-1.18	-0.58	1.32	206
11 490	58.17	0.04	-1.09	1.09	272	-1.17	-0.26	1.20	192
12 497	58.66	0.07	-0.72	0.72	275	-1.14	0.09	1.14	175
13 501	59.57	0.10	-0.59	0.60	280	-1.10	0.23	1.13	168
14 506	60.29	0.13	-0.46	0.48	286	-1.07	0.35	1.13	161
15 519	61.02	0.19	-0.27	0.34	304	-1.02	0.54	1.15	152
16 522G	63.42	0.24	-0.26	0.36	312	-0.97	0.55	1.11	150
17 535	66.19	0.36	-0.14	0.39	337	-0.85	0.67	1.08	141
18 544	72.16	0.54	-0.10	0.54	349	-0.67	0.72	0.98	133
19 561	87.80	1.08	-0.06	1.08	356	-0.13	0.75	0.77	100
20 568	93.65	1.39	-0.04	1.39	358	0.17	0.77	0.79	77
21 569	91.98	1.42	-0.03	1.42	358	0.21	0.78	0.81	74
22 571	87.33	1.53	-0.01	1.53	359	0.31	0.80	0.86	68
23 573Y	80.76	1.68	-0.00	1.68	359	0.46	0.81	0.93	60
24 577	72.49	1.87	-0.00	1.87	359	0.66	0.81	1.05	51
25 581	63.33	2.11	-0.00	2.11	359	0.90	0.81	1.21	42
26 583	58.54	2.26	-0.00	2.26	359	1.04	0.82	1.32	38
27 585	53.70	2.41	-0.00	2.41	359	1.19	0.82	1.45	34
28 587	48.93	2.58	-0.00	2.58	359	1.36	0.82	1.59	31
29 592R	42.18	2.84	-0.01	2.84	359	1.62	0.80	1.81	26
30 631	41.82	2.84	-0.44	2.88	351	1.63	0.37	1.67	12
31 702	41.33	2.83	-0.96	2.99	341	1.62	-0.13	1.62	355
32 706	40.41	2.85	-1.16	3.08	337	1.63	-0.34	1.67	348
33 711	39.70	2.85	-1.35	3.16	334	1.64	-0.53	1.72	341
34 724	38.97	2.81	-1.67	3.27	329	1.68	-0.85	1.81	332
35 727M	36.57	2.90	-1.78	3.40	328	1.68	-1.32	2.13	330
36 740	33.80	2.89	-2.14	3.60	323	1.67	-1.32	2.13	321
37 749	27.83	2.97	-2.69	4.00	317	1.75	-1.86	2.56	313
38 766	12.19	2.19	-6.29	6.66	289	0.97	-5.46	5.55	280
39 828	6.34	-1.36	-12.32	12.39	263	-2.57	-11.49	11.78	257
U=D50	99.99	1.216	-0.822	1.468	325	0.0	0.0	0.0	0

$$a=P_{an}P_{bn}P_{cn}=2.5(1.000x-0.171+0.0002)y$$
$$b=P_{bn}P_{cn}P_{an}=1.0(0.000x+0.0001+0.0002)y$$
$$A_{an}=(a-b)Y$$
$$A_{bn}=(b-a)Y$$
$$A_{cn}=(a-b)Y$$

$u=D50 \quad 99.99 \quad 1.216 \quad -0.822 \quad 1.468 \quad 325 \quad 0.0 \quad 0.0 \quad 0.0 \quad 0.0$
 $a=P_{m0} \quad P_{m1} \quad P_{m2} = 2.5[(1.000x+0.171+0.000z)/y] \quad A_m=(a-a_0)/Y \quad C_{ABm}=[A_m^2+B_m^2]^{1/2}$
 $b=P_{m0} \quad P_{m1} \quad P_{m2} = -1.0[(0.000x+0.000+1.000z)/y] \quad B_m=(b-b_0)/Y \quad h_{ABm}=\text{atan}[B_m/A_m]$

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

λ_n	Normfarbwerte und -anteile				nu-Buntwerte					
	X	Y	Z	x	y	z	A_{Bm}	B_{Bm}	C_{ABm}	h_{ABm}
00 631	69.99	41.82	18.71	0.536	0.320	0.143	68.2	15.6	70.0	372
01 702	73.30	41.33	39.75	0.474	0.267	0.257	66.9	-5.7	67.2	355
02 706	73.69	40.41	47.04	0.457	0.250	0.291	66.1	-13.8	67.5	348
03 711	74.05	39.70	53.95	0.441	0.236	0.321	65.1	-21.3	68.5	341
04 724	74.38	38.97	65.18	0.415	0.218	0.364	61.7	-35.1	71.0	332
05 727M	72.26	36.57	65.17	0.415	0.210	0.374	61.7	-35.1	71.0	330
06 740	69.08	33.80	72.53	0.393	0.192	0.413	56.6	-44.7	72.1	321
07 749	61.10	27.83	74.91	0.372	0.169	0.457	48.8	-52.0	71.3	313
08 396	31.24	12.19	76.69	0.260	0.101	0.638	11.9	-66.6	67.7	280
09 463	13.25	6.34	78.11	0.135	0.064	0.799	-16.3	-72.8	74.7	257
10 466	13.27	8.01	79.21	0.132	0.079	0.788	-19.5	-72.6	75.2	254
11 471	13.39	12.66	80.68	0.125	0.118	0.755	-27.5	-70.2	75.4	248
12 475B	14.00	19.21	81.44	0.122	0.167	0.710	-37.4	-65.6	75.5	240
13 479	15.61	27.01	81.85	0.124	0.220	0.655	-47.8	-59.2	76.1	231
14 481	18.42	36.66	82.05	0.134	0.267	0.598	-57.1	-51.9	77.2	222
15 483	20.35	41.45	82.11	0.141	0.288	0.570	-61.0	-48.0	77.7	218
16 484	22.64	46.29	82.14	0.149	0.306	0.543	-64.3	-44.0	77.9	214
17 485	25.29	51.06	82.16	0.159	0.322	0.518	-66.6	-40.1	77.8	211
18 486C	29.62	57.81	81.62	0.175	0.341	0.482	-68.5	-34.0	76.5	206
19 490	26.32	58.17	83.51	0.177	0.393	0.429	-68.2	-15.6	70.0	192
20 497	23.01	58.66	42.48	0.185	0.472	0.364	-66.9	5.7	67.1	175
21 501	22.62	59.57	35.18	0.192	0.507	0.299	-66.1	13.7	67.5	168
22 506	22.26	60.29	28.28	0.200	0.543	0.255	-65.0	21.2	68.4	161
23 519	21.83	61.02	17.06	0.218	0.610	0.170	-62.3	33.1	70.6	152
24 522	24.04	63.42	17.06	0.230	0.606	0.163	-61.7	35.0	71.0	150
25 535	27.22	66.19	9.71	0.263	0.641	0.094	-56.5	44.7	72.1	141
26 544	35.20	72.16	7.33	0.306	0.629	0.063	-48.8	52.0	71.3	133
27 561	65.07	87.80	5.54	0.410	0.554	0.034	-11.8	66.6	67.7	100
28 568	83.05	93.65	4.13	0.459	0.517	0.022	16.3	72.8	74.6	77
29 569	83.03	91.98	3.02	0.480	0.516	0.010	75.5	76.5	75.2	74
30 570	82.92	93.33	2.55	0.482	0.503	0.009	72.7	70.4	75.4	68
31 573	82.30	80.76	0.80	0.502	0.492	0.004	73.4	65.6	75.5	60
32 577M	80.69	72.49	0.38	0.525	0.472	0.002	47.8	59.2	76.1	51
33 581	77.87	63.33	0.18	0.550	0.447	0.001	57.1	51.8	77.2	42
34 583	75.96	58.54	0.13	0.564	0.434	0.000	61.1	48.0	77.7	38
35 585	73.67	53.70	0.09	0.577	0.421	0.000	64.3	44.0	77.9	34
36 587R	71.01	48.93	0.07	0.591	0.407	0.000	66.7	40.1	77.8	31
37 592	66.69	42.18	0.61	0.609	0.385	0.005	68.5	34.0	76.5	26
38 593	66.99	41.82	18.71	0.536	0.320	0.143	68.2	15.6	70.0	12
39 702	73.30	41.33	39.75	0.474	0.267	0.257	66.9	-5.7	67.2	-4
D=50	96.31	99.99	82.24	0.345	0.358	0.358	0.0	0.0	0.0	0.0
$a_{Bm} = p_{Bm} - 2.5 \cdot [(1.0000 - 0.171 + 0.0002) \cdot Y] \quad A_{Bm} = (a - a_j) \cdot Y \quad C_{ABm} = [A_{Bm}^2 + B_{Bm}^2]^{1/2}$ $b_{Bm} = n_{Bm} - 1.0 \cdot [(1.0000 + 0.0001 + 0.0002) \cdot Y] \quad B_{Bm} = (b - b_j) \cdot Y \quad h_{ABm} = atan[B_{Bm} / A_{Bm}]$										