

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				au-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
00 436	13.25	63.34	78.11	0.135	0.064	0.799	-78.8	-72.8	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	29	-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	29.62	57.81	81.62	0.175	0.341	0.482	-65.1	-34.0	73.5	203
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	58.66	82.40	0.185	0.472	0.349	-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	89.33	2.55	0.482	0.508	0.009	-9.2	70.2	73.5	97
23 573Y	82.30	80.76	0.80	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	70.4	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	65.18	0.416	0.218	0.364	-92.3	-33.1	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	6.34	78.11	0.135	0.064	0.799	-78.8	-72.8	75.0	283
U=D50	96.31	99.99	82.24	0.354	0.358	0.358	0.0	0.0	0.0	280

$$u=D_{50} \quad 96.31 \quad 99.99 \quad 82.24 \quad 0.345 \quad 3.358 \quad 3.538 \quad A_m = (a-o) \cdot Y \quad C_{ABm} = [A_m^2 + B_m^2]^{1/2} \\ b=P_{m0} = a_{P0} = -1.0, (0.000x+0.000+1.000z)/y \quad B_m = (b-b_0) \cdot Y \quad h_{ABm} = \text{atan}[B_m/A_m]$$

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

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

λ_n	Y	n-Farbart				nu-Farbart			
		P_m	P_n	P_{mn}	h_{mn}	P_m	P_n	P_{mn}	h_{mn}
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	58.66	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	87.33	2.37	-0.01	2.37	359	-0.37	0.80	0.80	92
23 573Y	80.76	2.54	-0.00	2.54	359	-0.14	0.81	0.82	80
24 577	72.49	2.78	-0.00	2.78	359	-0.03	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	3.24	-0.00	3.24	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	36.97	4.77	-1.67	5.06	340	2.37	-0.85	2.51	340
35 727M	36.57	4.94	-1.78	5.25	340	2.53	-0.95	2.70	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	6.34	5.22	-12.32	13.38	292	2.81	-11.49	11.83	283
U=0.50	99.99	2.407	-0.822	2.543	341	0.0	0.0	0.0	0

$$u=D_{50} \quad 99.99 \quad 2.407 \quad -0.822 \quad 2.543 \quad 341 \quad 0.0 \quad 0.0 \quad 0.0 \quad 0.0 \quad 0.0 \quad 0.0 \\ a=P_{m0} = a_{P0} = -2.5, (1.000x+0.000+0.000z)/y \quad A_m = (a-o) \cdot Y \quad C_{ABm} = [A_m^2 + B_m^2]^{1/2} \\ b=P_{m0} = a_{P0} = -1.0, (0.000x+0.000+1.000z)/y \quad B_m = (b-b_0) \cdot Y \quad h_{ABm} = \text{atan}[B_m/A_m]$$

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

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

λ_n	Normfarbwerte und -anteile					nu-Buntwerte								
	X	Y	Z	x	y	A_m	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	40.41	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	-35.1	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					
09 461	13.25	6.34	78.11	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	29	-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 486C	29.62	57.81	81.62	0.175	0.341	0.482	-65.1	-34.0	73.5 203					
19 490	26.32	58.17	83.51	0.177	0.393	0.429	-74.2	-15.6	75.8 196					
20 497	23.01	58.66	82.40	0.185	0.472	0.349	-83.6	-5.7	83.8 176					
21 501	22.62	59.57	35.18	0.192	0.507	0.299	-86.8	3.7	87.9 170					
22 506	22.26	60.29	28.28	0.200	0.543	0.255	-89.4	21.2	91.9 166					
23 519C	21.83	61.02	17.06	0.218	0.610	0.170	-92.3	33.1	98.0 160					
24 522	24.04	63.42	17.06	0.230	0.606	0.163	-92.5	35.0	99.0 159					
25 524	26.22	65.91	17.01	0.242	0.597	0.156	-92.6	36.9	100.0 158					
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	0.401	0.554	0.034	-48.6	66.5	82.5 126					
28 568	83.05	93.65	4.13	0.459	0.517	0.022	-17.8	72.8	75.9 103					
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	70.3 92					
31 573	82.30	80.76	0.80	0.502	0.492	0.004	11.3	65.6	66.5 80					
32 577Y	80.69	72.49	0.38	0.525	0.472	0.002	27.2	59.2	65.1 65					
33 581	77.87	63.33	0.18	0.550	0.447	0.001	42.2	51.8	66.9 50					
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					
37 589	68.66	44.19	0.04	0.604	0.392	0.000	65.0	35.0	73.0 27					
38 631	69.99	41.82	18.71	0.536	0.320	0.143	74.3	15.6	75.9 371					
39 702	73.30	41.33	39.75	0.474	0.267	0.257	83.7	-5.7	83.9 356					
D50						99.99	82.24	0.345	0.358	0.358	0.0	0.0	0.0	-3
$d = p_m - n_b$						$A_m = 2.5[(1.000 + 0.000 + 0.000)z]^y$	$A_m = (a - a_0)Y$		$C_{ABm} = [A_m^2 + B_m^2]^{1/2}$					