

see similar files: <http://farbe.li-tu-berlin.de/DEU4/DEU4.HTM>
technical information: <http://farbe.li-tu-berlin.de> or <http://color.li-tu-berlin.de>

Code	X_{10}	Y_{10}	Z_{10}	x_{10}	y_{10}	A_{10}	B_{10}	$C_{AB,10}$	a_{10}	b_{10}	$h_{AB,10}$	i_d	λ_d	i_c	λ_c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.0	0.947	-0.429	0				
520_770	76.4	79.08	1.01	0.488	0.505	3.55	83.87	83.95	0.965	-0.005	87	39	571	19	471
380_520	18.41	20.91	106.32	0.126	0.143	-3.54	-83.87	83.95	0.879	-2.033	267	19	471	39	571
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	0.966	-0.325	0				
520_770	82.98	82.07	0.96	0.499	0.494	9.01	65.84	66.46	1.01	-0.004	82	39	573	19	473
380_520	13.73	17.92	80.44	0.122	0.159	-9.01	-65.84	66.46	0.765	-1.794	262	19	473	39	573
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.017	-0.257	0				
520_770	90.86	84.92	0.88	0.514	0.48	11.14	53.84	54.98	1.069	-0.004	78	40	576	19	474
380_520	10.88	15.07	63.55	0.121	0.168	-11.13	-53.84	54.98	0.721	-1.686	258	19	474	40	576
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.0	1.111	-0.14	0				
520_770	105.35	89.55	0.74	0.538	0.457	14.52	30.77	34.03	1.176	-0.003	64	41	580	20	477
380_520	5.79	10.44	34.45	0.114	0.205	-14.52	-30.77	34.03	0.554	-1.319	244	20	477	41	580
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	0.999	-0.4	0				
520_770	82.61	81.05	0.95	0.501	0.492	3.93	80.1	80.2	1.019	-0.004	87	39	574	19	471
380_520	17.37	18.94	99.05	0.128	0.139	-3.93	-80.1	80.2	0.916	-2.091	267	19	471	39	574
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	0.972	-0.464	0				
520_770	77.3	78.56	0.93	0.493	0.501	2.2	90.31	90.34	0.983	-0.004	88	39	572	19	471
380_520	19.98	21.43	115.21	0.127	0.136	-2.19	-90.31	90.34	0.931	-2.149	268	19	471	39	572
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	1.023	-0.325	0				
520_770	88.38	83.32	0.9	0.512	0.482	7.71	66.79	67.24	1.06	-0.004	83	40	575	19	472
380_520	13.99	16.67	80.34	0.126	0.15	-7.71	-66.79	67.24	0.838	-1.927	263	19	472	40	575
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.0	0.976	-0.473	0				
520_770	76.95	78.82	1.0	0.49	0.502	-0.03	92.34	92.34	0.976	-0.005	90	39	572	19	470
380_520	20.69	21.17	117.42	0.129	0.132	0.03	-92.34	92.34	0.976	-2.218	270	19	470	39	572

DEU40-3N

Code	X_{10}	Y_{10}	Z_{10}	x_{10}	y_{10}	A_{10}	B_{10}	$C_{AB,10}$	a_{10}	b_{10}	$h_{AB,10}$	i_d	λ_d	i_c	λ_c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.0	0.947	-0.429	0				
475_575	23.23	61.74	21.83	0.217	0.578	-88.21	44.43	98.77	0.376	-0.141	153	29	520	-1	520c
575_475	71.57	38.25	85.49	0.366	0.195	88.18	-44.43	98.74	1.869	-0.893	333	-1	520c	29	520
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	0.966	-0.325	0				
475_575	22.94	59.25	18.53	0.227	0.588	-85.91	29.7	90.9	0.387	-0.125	160	28	518	-1	518c
575_475	73.78	40.74	62.87	0.415	0.229	85.89	-29.7	90.88	1.81	-0.617	340	-1	518c	28	518
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.017	-0.257	0				
475_575	22.19	55.38	15.15	0.239	0.597	-85.37	20.54	87.81	0.4	-0.109	166	28	516	-1	516c
575_475	79.55	44.61	49.29	0.458	0.257	85.35	-20.54	87.79	1.782	-0.441	346	-1	516c	28	516
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.0	1.111	-0.14	0				
475_575	20.76	48.57	10.16	0.261	0.61	-83.04	6.93	83.33	0.427	-0.083	175	27	513	-1	513c
575_475	90.38	51.42	25.03	0.541	0.308	83.02	-6.93	83.31	1.757	-0.194	355	-1	513c	27	513
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	0.999	-0.4	0				
475_575	22.48	58.54	19.29	0.224	0.583	-90.11	39.25	98.29	0.383	-0.131	156	28	519	-1	519c
575_475	77.51	41.45	80.71	0.388	0.207	90.08	-39.25	98.26	1.868	-0.778	336	-1	519c	28	519
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	0.972	-0.464	0				
475_575	23.36	60.87	22.96	0.217	0.567	-89.61	47.73	101.53	0.383	-0.15	151	29	520	-1	520c
575_475	73.92	39.12	93.18	0.358	0.189	89.57	-47.73	101.5	1.888	-0.952	331	-1	520c	29	520
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	1.023	-0.325	0				
475_575	22.09	56.11	16.87	0.232	0.59	-88.35	28.72	92.9	0.393	-0.12	161	28	518	-1	518c
575_475	80.28	43.88	64.38	0.425	0.232	88.32	-28.72	92.88	1.828	-0.586	341	-1	518c	28	518
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.0	0.976	-0.473	0				
475_575	22.85	60.92	21.67	0.216	0.577	-91.55	50.47	104.55	0.375	-0.142	151	29	521	-1	521c
575_475	74.79	39.07	96.74	0.355	0.185	91.52	-50.47	104.52	1.913	-0.99	331	-1	521c	29	521

DEU40-7N

TUB-test chart DEU4; YB and GM data for eight Dxx illuminants, CIE-10° observer
CIEXYZ data and data: A , B , C_{AB} , a , b , h_{AB} , A_1 , B_1 , C_{A1B1} , a_1 , b_1 , h_{A1B1} , wavelength λ_d and λ_c

Code	X_{10}	Y_{10}	Z_{10}	x_{10}	y_{10}	$A_{1,10}$	$B_{1,10}$	$C_{AB1,10}$	$a_{1,10}$	$b_{1,10}$	$h_{AB1,10}$	i_d	λ_d	i_c	λ_c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.0	0.431	-0.429	0				
520_770	76.4	79.08	1.01	0.488	0.505	38.78	83.87	92.41	0.627	-0.005	65	39	571	19	471
380_520	18.41	20.91	106.32	0.126	0.143	-38.76	-83.87	92.4	-0.31	-2.033	245	19	471	39	571
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	0.491	-0.325	0				
520_770	82.98	82.07	0.96	0.499	0.494	35.61	65.84	74.86	0.665	-0.004	61	39	573	19	473
380_520	13.73	17.92	80.44	0.122	0.159	-35.6	-65.84	74.85	-0.302	-1.794	241	19	473	39	573
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	0.562	-0.257	0				
520_770	90.86	84.92	0.88	0.514	0.48	32.24	53.84	62.76	0.714	-0.004	59	40	576	19	474
380_520	10.88	15.07	63.55	0.121	0.168	-32.23	-53.84	62.75	-0.293	-1.686	239	19	474	40	576
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.0	0.69	-0.14	0				
520_770	105.35	89.55	0.74	0.538	0.457	25.19	30.77	39.77	0.802	-0.003	50	41	580	20	477
380_520	5.79	10.44	34.45	0.114	0.205	-25.19	-30.77	39.77	-0.275	-1.319	230	20	477	41	580
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	0.486	-0.4	0				
520_770	82.61	81.05	0.95	0.501	0.492	37.49	80.1	88.44	0.671	-0.004	64	39	574	19	471
380_520	17.37	18.94	99.05	0.128	0.139	-37.47	-80.1	88.44	-0.304	-2.091	244	19	471	39	574
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	0.436	-0.464	0				
520_770	77.3	78.56	0.93	0.493	0.501	40.41	90.31	98.94	0.642	-0.004	65	39	572	19	471
380_520	19.98	21.43	115.21	0.127	0.136	-40.39	-90.31	98.93	-0.317	-2.149	245	19	471	39	572
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	0.538	-0.325	0				
520_770	88.38	83.32	0.9	0.512	0.482	34.94	66.79	75.38	0.706	-0.004	62	40	575	19	472
380_520	13.99	16.67	80.34	0.126	0.15	-34.92	-66.79	75.37	-0.299	-1.927	242	19	472	40	575
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.0	0.435	-0.473	0				
520_770	76.95	78.82	1.0	0.49	0.502	39.43	92.34	100.41	0.635	-0.005	66	39	572	19	470
380_520	20.69	21.17	117.42	0.129	0.132	-39.41	-92.34	100.4	-0.308	-2.218	246	19	470	39	572

DEU41-3N

Code	X_{10}	Y_{10}	Z_{10}	x_{10}	y_{10}	$A_{1,10}$	$B_{1,10}$	$C_{AB1,10}$	$a_{1,10}$	$b_{1,10}$	$h_{AB1,10}$	i_d	λ_d	i_c	λ_c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.0	0.431	-0.429	0				
475_575	23.23	61.74	21.83	0.217	0.578	-54.14	44.43	70.04	0.08	-0.141	140	29	520	-1	520c
575_475	71.57	38.25	85.49	0.366	0.195	54.13	-44.43	70.03	0.997	-0.893	320	-1	520c	29	520
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	0.491	-0.325	0				
475_575	22.94	59.25	18.53	0.227	0.588	-58.53	29.7	65.63	0.096	-0.125	153	28	518	-1	518c
575_475	73.78	40.74	62.87	0.415	0.229	58.51	-29.7	65.62	1.066	-0.617	333	-1	518c	28	518
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	0.562	-0.257	0				
475_575	22.19	55.38	15.15	0.239	0.597	-61.99	20.54	65.31	0.114	-0.109	161	28	516	-1	516c
575_475	79.55	44.61	49.29	0.458	0.257	61.98	-20.54	65.3	1.117	-0.441	341	-1	516c	28	516
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.0	0.69	-0.14	0				
475_575	20.76	48.57	10.16	0.261	0.61	-65.88	6.93	66.24	0.147	-0.083	173	27	513	-1	513c
575_475	90.38	51.42	25.03	0.541	0.308	65.87	-6.93	66.23	1.202	-0.194	353	-1	513c	27	513
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	0.486	-0.4	0				
475_575	22.48	58.54	19.29	0.224	0.583	-57.93	39.25	69.97	0.09	-0.131	145	28	519	-1	519c
575_475	77.51	41.45	80.71	0.388	0.207	57.91	-39.25	69.96	1.045	-0.778	325	-1	519c	28	519
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	0.436	-0.464	0				
475_575	23.36	60.87	22.96	0.217	0.567	-53.89	47.73	71.99	0.082	-0.15	138	29	520	-1	520c
575_475	73.92	39.12	93.18	0.358	0.189	53.87	-47.73	71.97	0.987	-0.952	318	-1	520c	29	520
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	0.538	-0.325	0				
475_575	22.09	56.11	16.87	0.232	0.59	-60.97	28.72	67.39	0.103	-0.12	154	28	518	-1	518c
575_475	80.28	43.88	64.38	0.425	0.232	60.95	-28.72	67.38	1.094	-0.586	334	-1	518c	28	518
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.0	0.435	-0.473	0				
475_575	22.85	60.92	21.67	0.216	0.577	-54.33	50.47	74.16	0.079	-0.142	137	29	521	-1	521c
575_475	74.79	39.07	96.74	0.355	0.185	54.31	-50.47	74.15	0.991	-0.99	317	-1	521c	29	521