

see similar files: <http://farbe.li-tu-berlin.de/CEY1/CEY1.HTM>
technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmeterik>

Code	X	Y	Z	x	y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
P65	96.86	99.99	112.33	0.313	0.323	0.0	0.0	0.0	0.968	-0.449	0				
520_705	77.81	85.38	1.62	0.472	0.518	-4.89	37.71	38.03	0.911	-0.007	97	39	574	19	473
380_520	19.05	14.61	110.71	0.131	0.101	4.89	-37.71	38.03	1.303	-3.03	277	19	473	39	574
P60	97.06	99.99	104.57	0.321	0.331	0.0	0.0	0.0	0.97	-0.418	0				
520_705	79.41	85.95	1.6	0.475	0.514	-4.02	35.31	35.54	0.923	-0.007	96	40	575	19	474
380_520	17.65	14.04	102.97	0.131	0.104	4.02	-35.31	35.54	1.257	-2.932	276	19	474	40	575
P55	97.45	99.99	95.98	0.332	0.34	0.0	0.0	0.0	0.974	-0.383	0				
520_705	81.33	86.6	1.57	0.479	0.51	-3.07	32.62	32.76	0.939	-0.007	95	40	575	19	474
380_520	16.12	13.39	94.41	0.13	0.108	3.07	-32.62	32.76	1.203	-2.819	275	19	474	40	575
P50	98.12	100.0	86.5	0.344	0.351	0.0	0.0	0.0	0.981	-0.346	0				
520_705	83.68	87.36	1.53	0.484	0.506	-2.04	29.61	29.68	0.957	-0.007	93	40	576	20	475
380_520	14.44	12.63	84.96	0.128	0.112	2.04	-29.61	29.68	1.143	-2.69	273	20	475	40	576
P45	99.2	100.0	76.07	0.36	0.363	0.0	0.0	0.0	0.992	-0.304	0				
520_705	86.6	88.25	1.48	0.491	0.5	-0.95	26.25	26.27	0.981	-0.006	92	40	577	20	476
380_520	12.6	11.74	74.58	0.127	0.118	0.95	-26.25	26.27	1.073	-2.539	272	20	476	40	577
P40	100.93	99.99	64.68	0.379	0.376	0.0	0.0	0.0	1.009	-0.258	0				
520_705	90.3	89.29	1.42	0.498	0.493	0.18	22.53	22.53	1.011	-0.006	89	40	578	20	477
380_520	10.62	10.7	63.26	0.125	0.126	-0.18	-22.53	22.53	0.992	-2.363	269	20	477	40	578
P35	103.66	100.0	52.43	0.404	0.39	0.0	0.0	0.0	1.036	-0.209	0				
520_705	95.14	90.52	1.35	0.508	0.484	1.29	18.44	18.49	1.051	-0.005	85	40	579	20	478
380_520	8.52	9.47	51.08	0.123	0.137	-1.29	-18.44	18.49	0.899	-2.156	265	20	478	40	579
P30	108.04	100.0	39.55	0.436	0.403	0.0	0.0	0.0	1.08	-0.158	0				
520_705	101.66	91.97	1.24	0.521	0.471	2.29	14.05	14.23	1.105	-0.005	80	41	581	20	479
380_520	6.37	8.02	38.3	0.12	0.152	-2.29	-14.05	14.23	0.794	-1.91	260	20	479	41	581

CEY10-3N YAB, YB, Pxx

Code	X	Y	Z	x	y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
P65	96.86	99.99	112.33	0.313	0.323	0.0	0.0	0.0	0.968	-0.449	0				
470_570	18.52	56.71	33.06	0.171	0.523	-36.41	12.25	38.42	0.326	-0.233	161	26	509	-1	509c
570_470	78.34	43.28	79.26	0.389	0.215	36.41	-12.25	38.42	1.809	-0.732	341	-1	509c	26	509
P60	97.06	99.99	104.57	0.321	0.331	0.0	0.0	0.0	0.97	-0.418	0				
470_570	18.28	55.91	31.52	0.172	0.528	-35.98	10.78	37.56	0.327	-0.225	163	26	509	-1	509c
570_470	78.77	44.08	73.05	0.402	0.225	35.98	-10.78	37.56	1.787	-0.662	343	-1	509c	26	509
P55	97.45	99.99	95.98	0.332	0.34	0.0	0.0	0.0	0.974	-0.383	0				
470_570	18.0	54.94	29.75	0.175	0.534	-35.54	9.19	36.71	0.327	-0.216	165	26	509	-1	509c
570_470	79.44	45.05	66.23	0.416	0.236	35.54	-9.19	36.71	1.763	-0.588	345	-1	509c	26	509
P50	98.12	100.0	86.5	0.344	0.351	0.0	0.0	0.0	0.981	-0.346	0				
470_570	17.66	53.75	27.71	0.178	0.542	-35.08	7.51	35.87	0.328	-0.206	167	26	509	-1	509c
570_470	80.45	46.24	58.78	0.433	0.249	35.08	-7.51	35.87	1.739	-0.508	347	-1	509c	26	509
P45	99.2	100.0	76.07	0.36	0.363	0.0	0.0	0.0	0.992	-0.304	0				
470_570	17.24	52.27	25.36	0.181	0.55	-34.6	5.75	35.08	0.329	-0.194	170	26	508	-1	508c
570_470	81.95	47.72	50.7	0.454	0.264	34.6	-5.75	35.08	1.717	-0.424	350	-1	508c	26	508
P40	100.93	99.99	64.68	0.379	0.376	0.0	0.0	0.0	1.009	-0.258	0				
470_570	16.71	50.37	22.65	0.186	0.561	-34.13	3.97	34.36	0.331	-0.179	173	26	508	-1	508c
570_470	84.21	49.62	42.03	0.478	0.282	34.13	-3.97	34.36	1.697	-0.338	353	-1	508c	26	508
P35	103.66	100.0	52.43	0.404	0.39	0.0	0.0	0.0	1.036	-0.209	0				
470_570	16.03	47.91	19.51	0.192	0.574	-33.63	2.24	33.71	0.334	-0.162	176	26	508	-1	508c
570_470	87.63	52.08	32.91	0.507	0.301	33.63	-2.24	33.71	1.682	-0.252	356	-1	508c	26	508
P30	108.04	100.0	39.55	0.436	0.403	0.0	0.0	0.0	1.08	-0.158	0				
470_570	15.12	44.61	15.91	0.199	0.589	-33.07	0.69	33.07	0.339	-0.142	178	26	509	-1	509c
570_470	92.91	55.38	23.63	0.54	0.322	33.07	-0.69	33.07	1.677	-0.17	358	-1	509c	26	509

CEY10-7N YAB, GM, Pxx

TUB-test chart CEY1; YB and GM data; 8 illuminants Pxx; 2°-CIE observer
CIEXYZ, YABCA_bh, and LabC*a*b*h data; wavelength: λ₁, λ₂, λ_d and λ_c

Code	X	Y	Z	x	y	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c
P65	96.86	99.99	112.33	0.313	0.323	0.0	0.0	0.01	0.215	-0.086	0				
520_705	77.81	85.38	1.62	0.472	0.518	-9.55	140.88	141.2	0.211	-0.022	93	39	574	19	473
380_520	19.05	14.61	110.71	0.131	0.101	27.41	-93.66	97.59	0.237	-0.162	286	19	473	39	574
P60	97.06	99.99	104.57	0.321	0.331	0.0	0.0	0.01	0.215	-0.086	0				
520_705	79.41	85.95	1.6	0.475	0.514	-7.76	140.38	140.59	0.211	-0.022	93	40	575	19	474
380_520	17.65	14.04	102.97	0.131	0.104	23.39	-94.99	97.82	0.234	-0.164	283	19	474	40	575
P55	97.45	99.99	95.98	0.332	0.34	0.0	0.0	0.01	0.215	-0.086	0				
520_705	81.33	86.6	1.57	0.479	0.51	-5.85	139.74	139.87	0.212	-0.022	92	40	575	19	474
380_520	16.12	13.39	94.41	0.13	0.108	18.66	-96.55	98.34	0.231	-0.167	280	19	474	40	575
P50	98.12	100.0	86.5	0.344	0.351	0.0	0.0	0.01	0.215	-0.086	0				
520_705	83.68	87.36	1.53	0.484	0.506	-3.82	138.93	138.98	0.213	-0.023	91	40	576	20	475
380_520	14.44	12.63	84.96	0.128	0.112	13.08	-98.43	99.3	0.226	-0.17	277	20	475	40	576
P45	99.2	100.0	76.07	0.36	0.363	0.0	0.0	0.01	0.215	-0.086	0				
520_705	86.6	88.25	1.48	0.491	0.5	-1.74	137.86	137.87	0.214	-0.024	90	40	577	20	476
380_520	12.6	11.74	74.58	0.127	0.118	6.48	-100.7	100.92	0.221	-0.174	273	20	476	40	577
P40	100.93	99.99	64.68	0.379	0.376	0.0	0.0	0.01	0.215	-0.086	0				
520_705	90.3	89.29	1.42	0.498	0.493	0.32	136.4	136.4	0.215	-0.025	89	40	578	20	477
380_520	10.62	10.7	63.26	0.125	0.126	-1.33	-103.53	103.53	0.214	-0.18	269	20	477	40	578
P35	103.66	100.0	52.43	0.404	0.39	0.0	0.0	0.01	0.215	-0.086	0				
520_705	95.14	90.52	1.35	0.508	0.484	2.21	134.34	134.36	0.216	-0.026	89	40	579	20	478
380_520	8.52	9.47	51.08	0.123	0.137	-10.5	-107.00	107.58	0.205	-0.187	264	20	478	40	579
P30	108.04	100.0	39.55	0.436	0.403	0.0	0.0	0.01	0.215	-0.086	0				
520_705	101.66	91.97	1.24	0.521	0.471	3.71	131.29	131.34	0.217	-0.027	88	41	581	20	479
380_520	6.37	8.02	38.3	0.12	0.152	-20.97	-111.6	113.55	0.194	-0.197	259	20	479	41	581

CEY11-3N Lab*, YB, Pxx

Code	X	Y	Z	x	y	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c
P65	96.86	99.99	112.33	0.313	0.323	0.0	0.0	0.01	0.215	-0.086	0				
470_570	18.52	56.71	33.06	0.171	0.523	-125.7	72.5	129.91	0.149	-0.069	165	26	509	-1	509c
570_470	78.34	43.28	79.26	0.389	0.215	87.61	-26.76	91.61	0.265	-0.101	343	-1	509c	26	509
P60	97.06	99.99	104.57	0.321	0.331	0.0	0.0	0.01	0.215	-0.086	0				
470_570	18.28	55.91	31.52	0.172	0.528	-125.2	70.66	128.94	0.149	-0.07	166	26	509	-1	509c
570_470	78.77	44.08	73.05	0.402	0.225	85.84	-25.24	89.47	0.264	-0.1	343	-1	509c	26	509
P55	97.45	99.99	95.98	0.332	0.34	0.0	0.0	0.01	0.215	-0.086	0				
470_570	18.0	54.94	29.75	0.175	0.534	-124.7	72.45	127.92	0.149	-0.071	167	26	509	-1	509c
570_470	79.44	45.05	66.23	0.416	0.236	83.76	-23.4	86.97	0.262	-0.099	344	-1	509c	26	509
P50	98.12	100.0	86.5	0.344	0.351	0.0	0.0	0.01	0.215	-0.086	0				
470_570	17.66	53.75	27.71	0.178	0.542	-124.1	71.575	126.83	0.149	-0.072	168	26	509	-1	509c
570_470	80.45	46.24	58.78	0.433	0.249	81.32	-21.17	84.03	0.26	-0.097	345	-1	509c	26	509
P45	99.2	100.0	76.07	0.36	0.363	0.0	0.0	0.01	0.215	-0.086	0				
470_570	17.24	52.27	25.36	0.181	0.55	-123.6	72.41	125.7	0.149	-0.074	169	26	508	-1	508c
570_470	81.95	47.72	50.7	0.454	0.264	78.4	-18.4	80.53	0.258	-0.096	346	-1	508c	26	508
P40	100.93	99.99	64.68	0.379	0.376	0.0	0.0	0.01	0.215	-0.086	0				
470_570	16.71	50.37	22.65	0.186	0.561	-123.2	71.16	124.56	0.148	-0.076	171	26	508	-1	508c
570_470	84.21	49.62	42.03	0.478	0.282	74.86	-14.89	76.32	0.256	-0.094	348	-1	508c	26	508
P35	103.66	100.0	52.43	0.404	0.39	0.0	0.0	0.01	0.215	-0.086	0				
470_570	16.03	47.91	19.51	0.192	0.574	-122.8	72.63	123.46	0.147	-0.079	174	26	508	-1	508c
570_470	87.63	52.08	32.91	0.507	0.301	70.46	-10.33	71.21	0.253	-0.091	351	-1	508c	26	508
P30	108.04	100.0	39.55	0.436	0.403	0.0	0.0	0.01	0.215	-0.086	0				
470_570	15.12	44.61	15.91	0.199	0.589	-122.3	73.16	122.49	0.146	-0.083	177	26	509	-1	509c
570_470	92.91	55.38	23.63	0.54	0.322	64.85	-4.21	64.99	0.249	-0.088	356	-1	509c	26	509

see similar files: <http://farbe.li-tu-berlin.de/CEY1/CEY1.HTM>
technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmeterik>

TUB registration: 20220401-CEY1/CEY1L0NP.PDF /.PS
application for evaluation and measurement of display or print output
TUB material: code=rha4ta

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
P65	96.73	99.99	111.64	0.313	0.324	0.0	0.0	0.0	0.967	-0.446	0				
520_705	77.29	79.23	1.0	0.49	0.502	0.65	34.97	34.98	0.975	-0.005	88	39	572	19	471
380_520	19.43	20.76	110.63	0.128	0.137	-0.65	-34.97	34.98	0.935	-2.13	268	19	471	39	572
P60	97.09	99.99	104.01	0.322	0.332	0.0	0.0	0.0	0.97	-0.416	0				
520_705	79.04	80.05	0.99	0.493	0.5	1.32	32.91	32.93	0.987	-0.004	87	39	572	19	471
380_520	18.04	19.94	103.02	0.127	0.141	-1.32	-32.91	32.93	0.904	-2.065	267	19	471	39	572
P55	97.65	100.0	95.55	0.333	0.341	0.0	0.0	0.0	0.976	-0.382	0				
520_705	81.14	80.99	0.97	0.497	0.496	2.04	30.56	30.63	1.001	-0.004	86	39	573	19	472
380_520	16.5	19.0	94.57	0.126	0.146	-2.04	-30.56	30.63	0.868	-1.99	266	19	472	39	573
P50	98.51	100.0	86.17	0.346	0.351	0.0	0.0	0.0	0.985	-0.344	0				
520_705	83.69	82.09	0.95	0.501	0.492	2.81	27.91	28.05	1.019	-0.004	84	39	574	19	472
380_520	14.81	17.9	85.21	0.125	0.151	-2.81	-27.91	28.05	0.827	-1.904	264	19	472	39	574
P45	99.8	100.0	75.8	0.362	0.362	0.0	0.0	0.0	0.998	-0.303	0				
520_705	86.84	83.38	0.92	0.507	0.487	3.62	24.91	25.17	1.041	-0.004	81	40	575	19	473
380_520	12.95	16.61	74.88	0.124	0.159	-3.62	-24.91	25.17	0.78	-1.802	261	19	473	40	575
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.017	-0.257	0				
520_705	90.8	84.9	0.88	0.514	0.48	4.41	21.53	21.98	1.069	-0.004	78	40	576	19	474
380_520	10.94	15.09	63.55	0.122	0.168	-4.41	-21.53	21.98	0.724	-1.683	258	19	474	40	576
P35	104.71	100.0	52.16	0.407	0.389	0.0	0.0	0.0	1.047	-0.208	0				
520_705	95.92	86.69	0.83	0.522	0.472	5.14	17.75	18.48	1.106	-0.003	73	40	577	20	475
380_520	8.79	13.3	51.32	0.119	0.181	-5.14	-17.75	18.48	0.66	-1.542	253	20	475	40	577
P30	109.29	99.99	39.19	0.439	0.402	0.0	0.0	0.0	1.092	-0.156	0				
520_705	102.72	88.8	0.77	0.534	0.461	5.66	13.61	14.74	1.156	-0.003	67	40	579	20	476
380_520	6.56	11.19	38.42	0.116	0.199	-5.66	-13.61	14.74	0.586	-1.373	247	20	476	40	579

CEY10-3N YAB, YB, Pxx

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
P65	96.73	99.99	111.64	0.313	0.324	0.0	0.0	0.0	0.967	-0.446	0				
470_570	20.49	57.7	28.14	0.192	0.542	-35.33	14.51	38.19	0.355	-0.195	157	26	509	-1	509c
570_470	76.24	42.29	83.5	0.377	0.209	35.33	-14.51	38.19	1.802	-0.789	337	-1	509c	26	509
P60	97.09	99.99	104.01	0.322	0.332	0.0	0.0	0.0	0.97	-0.416	0				
470_570	20.33	56.95	26.89	0.195	0.546	-34.96	12.94	37.28	0.357	-0.188	159	26	509	-1	509c
570_470	76.75	43.04	77.12	0.389	0.218	34.96	-12.94	37.28	1.783	-0.716	339	-1	509c	26	509
P55	97.65	100.0	95.55	0.333	0.341	0.0	0.0	0.0	0.976	-0.382	0				
470_570	20.13	56.02	25.44	0.198	0.551	-34.58	11.23	36.35	0.359	-0.181	161	26	508	-1	508c
570_470	77.51	43.97	70.1	0.404	0.229	34.58	-11.23	36.35	1.763	-0.637	342	-1	508c	26	508
P50	98.51	100.0	86.17	0.346	0.351	0.0	0.0	0.0	0.985	-0.344	0				
470_570	19.88	54.87	23.77	0.201	0.556	-34.17	9.4	35.44	0.362	-0.173	164	26	508	-1	508c
570_470	78.62	45.12	62.39	0.422	0.242	34.17	-9.4	35.44	1.742	-0.553	344	-1	508c	26	508
P45	99.8	100.0	75.8	0.362	0.362	0.0	0.0	0.0	0.998	-0.303	0				
470_570	19.55	53.42	21.83	0.206	0.563	-33.76	7.46	34.57	0.366	-0.163	167	26	507	-1	507c
570_470	80.24	46.57	53.97	0.443	0.257	33.76	-7.46	34.57	1.722	-0.463	347	-1	507c	26	507
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.017	-0.257	0				
470_570	19.11	51.54	19.55	0.211	0.571	-33.32	5.46	33.77	0.37	-0.151	170	26	507	-1	507c
570_470	82.63	48.45	44.88	0.469	0.275	33.32	-5.46	33.77	1.705	-0.37	350	-1	507c	26	507
P35	104.71	100.0	52.16	0.407	0.389	0.0	0.0	0.0	1.047	-0.208	0				
470_570	18.5	49.05	16.9	0.219	0.58	-32.85	3.47	33.03	0.377	-0.137	173	26	506	-1	506c
570_470	86.2	50.94	35.26	0.499	0.295	32.85	-3.47	33.03	1.692	-0.276	353	-1	506c	26	506
P30	109.29	99.99	39.19	0.439	0.402	0.0	0.0	0.0	1.092	-0.156	0				
470_570	17.64	45.67	13.81	0.228	0.592	-32.27	1.63	32.31	0.386	-0.12	177	26	506	-1	506c
570_470	91.65	54.32	25.38	0.534	0.317	32.27	-1.63	32.31	1.687	-0.186	357	-1	506c	26	506

CEY10-7N YAB, GM, Pxx

TUB-test chart CEY1; YB and GM data; 8 illuminants Pxx; 10°-CIE observer
CIEXYZ, YABCA_bh, and LabC*a*b*h data; wavelength: λ₁, λ₂, λ_d and λ_c

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
P65	96.73	99.99	111.64	0.313	0.324	0.0	0.0	0.01	0.215	-0.086	0				
520_705	77.29	79.23	1.0	0.49	0.502	1.31	143.3	143.31	0.216	-0.019	89	39	572	19	471
380_520	19.43	20.76	110.63	0.128	0.137	-3.25	-80.94	81.0	0.213	-0.145	267	19	471	39	572
P60	97.09	99.99	104.01	0.322	0.332	0.0	0.0	0.01	0.215	-0.086	0				
520_705	79.04	80.05	0.99	0.493	0.5	2.62	143.15	143.17	0.216	-0.019	88	39	572	19	471
380_520	18.04	19.94	103.02	0.127	0.141	-6.81	-82.48	82.76	0.21	-0.147	265	19	471	39	572
P55	97.65	100.0	95.55	0.333	0.341	0.0	0.0	0.01	0.215	-0.086	0				
520_705	81.14	80.99	0.97	0.497	0.496	3.98	142.92	142.98	0.217	-0.02	88	39	573	19	472
380_520	16.5	19.0	94.57	0.126	0.146	-10.98	-84.32	85.03	0.207	-0.149	262	19	472	39	573
P50	98.51	100.0	86.17	0.346	0.351	0.0	0.0	0.01	0.215	-0.086	0				
520_705	83.69	82.09	0.95	0.501	0.492	5.37	142.58	142.68	0.217	-0.02	87	39	574	19	472
380_520	14.81	17.9	85.21	0.125	0.151	-15.89	-86.52	87.97	0.203	-0.152	259	19	472	39	574
P45	99.8	100.0	75.8	0.362	0.362	0.0	0.0	0.01	0.215	-0.086	0				
520_705	86.84	83.38	0.92	0.507	0.487	6.72	142.08	142.24	0.218	-0.021	87	40	575	19	473
380_520	12.95	16.61	74.88	0.124	0.159	-21.66	-89.22	91.81	0.198	-0.156	256	19	473	40	575
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.01	0.215	-0.086	0				
520_705	90.8	84.9	0.88	0.514	0.48	7.93	141.31	141.54	0.219	-0.021	86	40	576	19	474
380_520	10.94	15.09	63.55	0.122	0.168	-28.45	-92.56	96.83	0.192	-0.161	252	19	474	40	576
P35	104.71	100.0	52.16	0.407	0.389	0.0	0.0	0.01	0.215	-0.086	0				
520_705	95.92	86.69	0.83	0.522	0.472	8.83	140.11	140.39	0.219	-0.022	86	40	577	20	475
380_520	8.79	13.3	51.32	0.119	0.181	-36.31	-96.79	103.38	0.184	-0.167	249	20	475	40	577
P30	109.29	99.99	39.19	0.439	0.402	0.0	0.0	0.01	0.215	-0.086	0				
520_705	102.72	88.8	0.77	0.534	0.461	9.17	138.15	138.46	0.219	-0.024	86	40	579	20	476
380_520	6.56	11.19	38.42	0.116	0.199	-45.09	-102.27	111.77	0.175	-0.177	246	20	476	40	579

CEY11-3N Lab*, YB, Pxx

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
P65	96.73	99.99	111.64	0.313	0.324	0.0	0.0	0.01	0.215	-0.086	0				
470_570	20.49	57.7	28.14	0.192	0.542	-118.18	0.16	124.82	0.154	-0.065	161	26	509	-1	509c
570_470	76.24	42.29	83.5	0.377	0.209	86.53	-31.41	92.06	0.265	-0.104	340	-1	509c	26	509
P60	97.09	99.99	104.01	0.322	0.332	0.0	0.0	0.01	0.215	-0.086	0				
470_570	20.33	56.95	26.89	0.195	0.546	-117.5	38.36	123.61	0.154	-0.066	161	26	509	-1	509c
570_470	76.75	43.04	77.12	0.389	0.218	84.79	-30.0	89.94	0.263	-0.103	340	-1	509c	26	509
P55	97.65	100.0	95.55	0.333	0.341	0.0	0.0	0.01	0.215	-0.086	0				
470_570	20.13	56.02	25.44	0.198	0.551	-116.78	36.19	122.26	0.154	-0.067	162	26	508	-1	508c
570_470	77.51	43.97	70.1	0.404	0.229	82.73	-28.29	87.44	0.262	-0.102	341	-1	508c	26	508
P50	98.51	100.0	86.17	0.346	0.351	0.0	0.0	0.01	0.215	-0.086	0				
470_570	19.88	54.87	23.77	0.201	0.556	-116.03	33.53	120.78	0.154	-0.068	163	26	508	-1	508c
570_470	78.62	45.12	62.39	0.422	0.242	80.29	-26.19	84.45	0.26	-0.1	341	-1	508c	26	508
P45	99.8	100.0	75.8	0.362	0.362	0.0	0.0	0.01	0.215	-0.086	0				
470_570	19.55	53.42	21.83	0.206	0.563	-115.2	30.2	119.16	0.154	-0.07	165	26	507	-1	507c
570_470	80.24	46.57	53.97	0.443	0.257	77.35	-23.55	80.86	0.258	-0.099	343	-1	507c	26	507
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.01	0.215	-0.086	0				
470_570	19.11	51.54	19.55	0.211	0.571	-114.4	25.94	117.4	0.153	-0.072	167	26	507	-1	507c
570_470	82.63	48.45	44.88	0.469	0.275	73.75	-20.19	76.46	0.255	-0.097	344	-1	507c	26	507
P35	104.71	100.0	52.16	0.407	0.389	0.0	0.0	0.01	0.215	-0.086	0				
470_570	18.5	49.05	16.9	0.219	0.58	-113.6	20.36	115.5	0.153	-0.075	169	26	506	-1	506c
570_470	86.2	50.94	35.26	0.499	0.295	69.26	-15.78	71.04	0.252	-0.094	347	-1	506c	26	506
P30	109.29	99.99	39.19	0.439	0.402	0.0	0.0	0.01	0.215	-0.086	0				
470_570	17.64	45.67	13.81	0.228	0.592	-112.7	12.75	113.5	0.152	-0.079	173	26	506	-1	506c
570_470	91.65	54.32	25.38	0.534	0.317	63.51	-9.84	64.27	0.248	-0.091	351	-1	506c	26	506