CIE data, for example *rgb*$_{sRGB}$, *XYZxy*, *LabCh, *YABCh*, and λ_d, λ_c for all device colours of maximum (m) chromatic value for D65 and Y_w=100 and 89**

rgb$_i$	i	[*X, Y, Z, x, y*]$_{100}$					[*L*, a*, b*, C*$_{ab}$, h_{ab}, a', b', c'$_{ab}$*]$_{100}$							[*Y, A, B, C$_{AB}$, h_{AB}, a, b, c$_{AB}$*]$_{100}$							[i_d, λ_d, i_c, λ_c]$_{100}$				[*X, Y, Z*]$_{89}$			[*L*, a*, b*, C*$_{ab}$, h_{ab}*]$_{89}$					[*Y, A, B, C$_{AB}$, h_{AB}*]$_{89}$				
1.000 0.000 0.000	00	41.2	21.3	1.9	0.64	0.33	53.2	80.1	67.2	104.6	40.0	0.273	−0.093	0.135	21.3	21.0	8.5	22.7	22.0	1.94	−0.035	1.067	41	606	17	486	36.5	18.8	1.7	50.5	76.9	64.6	100.4	40.0	18.8	18.6	7.5	20.1	22.0
1.000 0.125 0.000	01	41.8	22.3	2.1	0.631	0.337	54.3	77.0	67.6	102.4	41.3	0.27	−0.094	0.132	22.3	20.6	8.9	22.4	23.3	1.873	−0.037	1.005	40	603	17	486	37.0	19.7	1.9	51.5	73.9	64.9	98.4	41.3	19.7	18.2	7.9	19.8	23.3
1.000 0.250 0.000	02	43.1	24.9	2.5	0.611	0.353	57.0	69.5	68.7	97.7	44.7	0.263	−0.097	0.127	24.9	19.4	9.8	21.7	26.9	1.729	−0.04	0.873	39	598	17	485	38.1	22.1	2.2	54.1	66.7	66.0	93.8	44.7	22.1	17.2	8.7	19.3	26.9
1.000 0.375 0.000	03	45.4	29.6	3.3	0.58	0.378	61.3	57.8	70.8	91.4	50.8	0.253	−0.1	0.121	29.6	17.3	11.5	20.8	33.7	1.536	−0.044	0.704	38	592	16	484	40.2	26.2	2.9	58.2	55.5	68.0	87.7	50.8	26.2	15.3	10.2	18.4	33.7
1.000 0.500 0.000	04	48.9	36.6	4.5	0.544	0.407	67.0	43.1	74.0	85.6	59.8	0.241	−0.103	0.115	36.6	14.1	14.1	20.0	45.0	1.337	−0.048	0.547	37	585	16	482	43.3	32.4	4.0	63.7	41.4	71.0	82.2	59.8	32.4	12.5	12.5	17.7	45.0
1.000 0.625 0.000	05	53.7	46.2	6.1	0.507	0.436	73.7	26.9	78.1	82.6	71.0	0.23	−0.106	0.11	46.2	9.8	17.7	20.2	61.0	1.163	−0.052	0.438	35	579	15	479	47.6	40.9	5.4	70.1	25.8	75.0	79.4	71.0	40.9	8.7	15.7	17.9	61.0
1.000 0.750 0.000	06	59.9	58.6	8.2	0.473	0.463	81.1	10.3	83.1	83.7	83.0	0.221	−0.108	0.108	58.6	4.2	22.3	22.7	79.3	1.022	−0.055	0.387	34	574	15	475	53.1	51.9	7.2	77.2	9.9	79.8	80.4	83.0	51.9	3.7	19.7	20.1	79.3
1.000 0.875 0.000	07	67.7	74.1	10.7	0.444	0.486	89.0	−5.9	88.6	88.8	93.9	0.213	−0.109	0.106	74.1	−2.7	28.0	28.1	95.6	0.913	−0.057	0.38	33	569	13	469	59.9	65.6	9.5	84.8	−5.7	85.1	85.3	93.9	65.6	−2.4	24.8	24.9	95.6
1.000 1.000 0.000	08	77.0	92.8	13.9	0.419	0.505	97.1	−21.4	94.5	96.9	102.8	0.206	−0.11	0.105	92.8	−11.1	34.9	36.6	107.8	0.83	−0.059	0.395	33	565	11	459	68.2	82.2	12.3	92.7	−20.6	90.7	93.1	102.8	82.2	−9.8	30.9	32.4	107.8
0.875 1.000 0.000	09	66.2	87.2	13.3	0.397	0.523	94.8	−34.3	91.7	98.0	110.6	0.2	−0.111	0.105	87.2	−16.6	32.7	36.7	117.0	0.759	−0.06	0.42	32	561	2	413	58.7	77.3	11.8	90.4	−33.0	88.1	94.1	110.6	77.3	−14.7	28.9	32.5	117.0
0.750 1.000 0.000	10	57.3	82.6	12.9	0.375	0.541	92.9	−46.7	89.4	100.9	117.6	0.194	−0.112	0.105	82.6	−21.1	30.8	37.4	124.6	0.694	−0.062	0.453	31	557	−1	557c	50.8	73.2	11.5	88.5	−44.8	85.8	96.9	117.6	73.2	−18.7	27.3	33.1	124.6
0.625 1.000 0.000	11	50.1	78.9	12.6	0.354	0.557	91.2	−58.0	87.4	104.9	123.6	0.188	−0.113	0.106	78.9	−24.8	29.3	38.5	130.3	0.635	−0.063	0.487	30	554	−1	554c	44.4	69.9	11.2	87.0	−55.7	83.9	100.8	123.6	69.9	−21.9	26.0	34.1	130.3
0.500 1.000 0.000	12	44.6	76.1	12.3	0.335	0.572	89.9	−67.8	85.8	109.4	128.4	0.183	−0.113	0.107	76.1	−27.6	28.2	39.5	134.5	0.586	−0.064	0.52	30	550	−1	550c	39.5	67.4	10.9	85.7	−65.1	82.4	105.1	128.4	67.4	−24.4	25.0	35.0	134.5
0.375 1.000 0.000	13	40.5	74.0	12.1	0.32	0.584	88.9	−75.7	84.6	113.6	131.9	0.179	−0.114	0.108	74.0	−29.7	27.4	40.4	137.4	0.548	−0.065	0.547	29	547	−1	547c	35.9	65.5	10.8	84.8	−72.7	81.3	109.1	131.9	65.5	−26.3	24.2	35.8	137.4
0.250 1.000 0.000	14	37.9	72.6	12.0	0.309	0.593	88.3	−81.4	83.8	116.9	134.2	0.176	−0.114	0.108	72.6	−31.0	26.8	41.1	139.3	0.521	−0.065	0.566	29	545	−1	545c	33.5	64.3	10.6	84.1	−78.2	80.5	112.3	134.2	64.3	−27.5	23.8	36.4	139.3
0.125 1.000 0.000	15	36.4	71.8	11.9	0.303	0.598	87.9	−84.7	83.4	118.9	135.5	0.175	−0.114	0.109	71.8	−31.8	26.5	41.5	140.3	0.506	−0.066	0.578	28	544	−1	544c	32.2	63.6	10.6	83.8	−81.4	80.1	114.2	135.5	63.6	−28.2	23.5	36.7	140.3
0.000 1.000 0.000	16	35.8	71.5	11.9	0.3	0.6	87.7	−86.1	83.2	119.8	136.0	0.174	−0.114	0.109	71.5	−32.1	26.4	41.6	140.7	0.5	−0.066	0.582	28	544	−1	544c	31.7	63.4	10.6	83.6	−82.7	79.9	115.0	136.0	63.4	−28.4	23.4	36.9	140.7
0.000 1.000 0.125	17	36.0	71.6	13.3	0.298	0.592	87.8	−85.4	79.7	116.9	137.0	0.174	−0.118	0.105	71.6	−32.0	25.9	41.2	141.1	0.503	−0.073	0.575	28	543	−1	543c	31.9	63.5	11.8	83.7	−82.0	76.6	112.3	137.0	63.5	−28.3	22.9	36.5	141.1
0.000 1.000 0.250	18	36.7	71.9	16.8	0.293	0.574	87.9	−83.8	72.0	110.5	139.4	0.175	−0.128	0.096	71.9	−31.5	24.6	40.1	142.1	0.51	−0.092	0.558	28	542	−1	542c	32.5	63.7	14.8	83.8	−80.5	69.1	106.2	139.4	63.7	−27.9	21.8	35.5	142.1
0.000 1.000 0.375	19	37.9	72.4	22.9	0.284	0.543	88.1	−80.9	60.5	101.1	143.2	0.177	−0.142	0.083	72.4	−30.8	22.3	38.1	144.2	0.523	−0.126	0.527	27	539	−1	539c	33.5	64.1	20.3	84.0	−77.7	58.1	97.1	143.2	64.1	−27.3	19.8	33.8	144.2
0.000 1.000 0.500	20	39.6	73.1	32.3	0.273	0.504	88.5	−76.7	46.8	89.9	148.6	0.179	−0.158	0.068	73.1	−29.7	18.9	35.3	147.6	0.542	−0.176	0.483	26	532	−1	532c	35.1	64.7	28.6	84.3	−73.7	44.9	86.4	148.6	64.7	−26.3	16.8	31.3	147.6
0.000 1.000 0.625	21	42.1	74.0	45.0	0.261	0.459	88.9	−71.2	31.9	78.1	155.9	0.181	−0.176	0.052	74.0	−28.2	14.2	31.7	153.3	0.568	−0.242	0.428	24	520	−1	520c	37.3	65.6	39.9	84.8	−68.4	30.6	75.0	155.9	65.6	−25.0	12.6	28.1	153.3
0.000 1.000 0.750	22	45.2	75.3	61.6	0.248	0.414	89.5	−64.5	16.5	66.7	165.6	0.185	−0.195	0.038	75.3	−26.3	8.2	27.6	162.8	0.6	−0.326	0.367	20	503	−1	503c	40.0	66.7	54.6	85.4	−62.0	15.9	64.1	165.6	66.7	−23.3	7.2	24.5	162.8
0.000 1.000 0.875	23	49.1	76.9	82.1	0.236	0.369	90.3	−56.7	1.1	56.8	178.9	0.189	−0.213	0.029	76.9	−23.8	0.6	24.0	178.5	0.639	−0.427	0.312	18	492	−1	492c	43.5	68.1	72.8	86.0	−54.5	1.1	54.6	178.9	68.1	−21.1	0.5	21.2	178.5
0.000 1.000 1.000	24	53.8	78.7	107.0	0.225	0.329	91.1	−48.0	−14.0	50.1	196.4	0.193	−0.231	0.03	78.7	−20.9	−8.4	22.7	202.0	0.683	−0.542	0.288	17	486	41	606	47.7	69.8	94.8	86.9	−46.1	−13.5	48.1	196.4	69.8	−18.5	−7.4	20.1	202.0
0.000 0.875 1.000	25	44.5	60.1	103.9	0.213	0.288	81.9	−33.6	−28.0	43.9	219.9	0.198	−0.25	0.041	60.1	−12.5	−15.3	19.9	230.7	0.74	−0.691	0.331	16	481	36	583	39.4	53.2	92.0	78.0	−32.3	−26.9	42.2	219.9	53.2	−11.1	−13.5	17.6	230.7
0.000 0.750 1.000	26	36.7	44.6	101.3	0.201	0.244	72.6	−17.7	−42.3	46.0	247.3	0.205	−0.274	0.061	44.6	−5.5	−21.0	21.8	255.0	0.824	−0.908	0.49	15	476	35	575	32.5	39.5	89.7	69.1	−17.0	−40.7	44.2	247.3	39.5	−4.9	−18.6	19.3	255.0
0.000 0.625 1.000	27	30.5	32.1	99.2	0.189	0.199	63.5	0.0	−56.8	56.9	269.9	0.215	−0.304	0.09	32.1	0.0	−25.6	25.7	269.9	0.949	−1.233	0.799	14	472	34	571	27.0	28.5	87.9	60.3	0.0	−54.5	54.6	269.9	28.5	0.0	−22.7	22.8	269.9
0.000 0.500 1.000	28	25.7	22.5	97.6	0.176	0.154	54.6	19.1	−71.0	73.7	285.0	0.229	−0.34	0.127	22.5	4.3	−29.1	29.5	278.4	1.141	−1.732	1.311	13	468	33	568	22.8	20.0	86.5	51.8	18.4	−68.2	70.8	285.0	20.0	3.8	−25.8	26.2	278.4
0.000 0.375 1.000	29	22.2	15.5	96.4	0.165	0.116	46.3	39.2	−84.5	93.3	294.9	0.247	−0.384	0.173	15.5	7.5	−31.7	32.7	283.2	1.431	−2.485	2.106	12	464	33	567	19.7	13.7	85.4	43.9	37.7	−81.1	89.6	294.9	13.7	6.6	−28.1	28.9	283.2
0.000 0.250 1.000	30	19.9	10.9	95.7	0.157	0.086	39.3	58.2	−96.0	112.4	301.2	0.268	−0.432	0.224	10.9	9.5	−33.4	34.9	285.9	1.83	−3.523	3.211	12	461	33	566	17.6	9.6	84.7	37.2	55.9	−92.2	107.9	301.2	9.6	8.5	−29.6	30.9	285.9
0.000 0.125 1.000	31	18.6	8.2	95.2	0.152	0.068	34.5	72.5	−104.1	126.9	304.8	0.287	−0.472	0.268	8.2	10.7	−34.4	36.1	287.3	2.251	−4.618	4.381	12	460	33	565	16.4	7.3	84.4	32.5	69.6	−100.0	121.9	304.8	7.3	9.5	−30.5	32.0	287.3
0.000 0.000 1.000	32	18.0	7.2	95.1	0.15	0.06	32.3	79.2	−107.8	133.8	306.3	0.297	−0.493	0.291	7.2	11.2	−34.8	36.6	287.8	2.5	−5.265	5.073	11	459	33	565	16.0	6.4	84.2	30.4	76.1	−103.5	128.5	306.3	6.4	9.9	−30.8	32.4	287.8
0.125 0.000 1.000	33	18.6	7.5	95.1	0.154	0.062	33.0	79.4	−106.6	133.0	306.7	0.296	−0.487	0.284	7.5	11.5	−34.7	36.6	288.3	2.477	−5.053	4.864	11	458	33	565	16.5	6.7	84.2	31.0	76.3	−102.4	127.8	306.7	6.7	10.2	−30.7	32.4	288.3
0.250 0.000 1.000	34	20.1	8.3	95.1	0.163	0.067	34.6	80.0	−103.9	131.2	307.6	0.294	−0.471	0.269	8.3	12.3	−34.3	36.6	289.6	2.427	−4.584	4.404	11	455	32	564	17.8	7.4	84.3	32.6	76.9	−99.7	126.0	307.6	7.4	10.9	−30.4	32.4	289.6
0.375 0.000 1.000	35	22.8	9.7	95.3	0.179	0.076	37.3	81.2	−99.3	128.4	309.2	0.292	−0.448	0.246	9.7	13.6	−33.8	36.5	291.9	2.357	−3.933	3.771	10	450	32	563	20.2	8.6	84.4	35.2	78.0	−95.4	123.3	309.2	8.6	12.1	−29.9	32.4	291.9
0.500 0.000 1.000	36	26.9	11.8	95.5	0.2	0.088	40.8	83.2	−93.3	125.1	311.7	0.289	−0.42	0.218	11.8	15.7	−33.0	36.6	295.4	2.283	−3.243	3.109	6	434	32	562	23.8	10.4	84.6	38.6	79.9	−89.6	120.1	311.7	10.4	13.9	−29.2	32.4	295.4
0.625 0.000 1.000	37	32.4	14.6	95.7	0.227	0.102	45.1	85.9	−86.1	121.7	314.9	0.286	−0.391	0.19	14.6	18.5	−31.8	36.9	300.1	2.216	−2.616	2.522	−1	560c	32	560	28.7	13.0	84.8	42.7	82.5	−82.7	116.9	314.9	13.0	16.4	−28.2	32.7	300.1
0.750 0.000 1.000	38	39.6	18.3	96.1	0.257	0.119	49.9	89.4	−78.1	118.8	318.8	0.283	−0.363	0.163	18.3	22.2	−30.3	37.7	306.1	2.16	−2.095	2.055	−1	556c	31	556	35.1	16.2	85.1	47.3	85.9	−75.0	114.1	318.8	16.2	19.6	−26.9	33.4	306.1
0.875 0.000 1.000	39	48.5	22.9	96.5	0.289	0.137	55.0	93.6	−69.6	116.7	323.3	0.281	−0.337	0.14	22.9	26.7	−28.5	39.1	313.1	2.116	−1.682	1.708	−1	552c	30	552	43.0	20.3	85.5	52.2	89.9	−66.8	112.1	323.3	20.3	23.7	−25.2	34.7	313.1
1.000 0.000 1.000	40	59.3	28.5	97.0	0.321	0.154	60.3	98.3	−60.7	115.6	328.2	0.28	−0.314	0.119	28.5	32.2	−26.3	41.6	320.7	2.082	−1.361	1.462	−1	544c	28	544	52.5	25.2	85.9	57.3	94.4	−58.3	111.0	328.2	25.2	28.5	−23.3	36.9	320.7
1.000 0.000 0.875	41	54.6	26.6	72.2	0.356	0.173	58.6	94.1	−45.7	104.6	334.1	0.278	−0.291	0.1	26.6	29.3	−17.2	34.0	329.5	2.052	−1.084	1.279	−1	529c	25	529	48.3	23.6	63.9	55.6	90.3	−43.8	100.5	334.1	23.6	26.0	−15.2	30.1	329.5
1.000 0.000 0.750	42	50.7	25.0	51.6	0.398	0.197	57.1	90.3	−29.8	95.1	341.7	0.277	−0.266	0.081	25.0	26.9	−9.6	28.6	340.1	2.024	−0.823	1.142	−1	506c	21	506	44.9	22.2	45.7	54.2	86.7	−28.6	91.4	341.7	22.2	23.8	−8.5	25.3	340.1
1.000 0.000 0.625	43	47.5	23.8	35.1	0.447	0.224	55.9	87.1	−13.1	88.1	351.4	0.276	−0.237	0.066	23.8	24.9	−3.6	25.2	351.6	1.999	−0.589	1.06	−1	496c	19	496	42.1	21.1	31.1	53.0	83.7	−12.6	84.6	351.4	21.1	22.1	−3.1	22.3	351.6
1.000 0.000 0.500	44	45.1	22.8	22.3	0.5	0.253	54.9	84.5	4.3	84.6	2.9	0.275	−0.207	0.061	22.8	23.4	1.0	23.5	2.5	1.978	−0.39	1.028	−1	491c	18	491	40.0	20.2	19.7	52.1	81.2	4.2	81.3	2.9	20.2	20.8	0.9	20.8	2.5
1.000 0.000 0.375	45	43.3	22.1	13.0	0.553	0.282	54.1	82.6	22.5	85.6	15.3	0.274	−0.174	0.072	22.1	22.3	4.4	22.8	11.2	1.961	−0.234	1.03	−1	488c	17	488	38.4	19.6	11.5	51.4	79.3	21.6	82.2	15.3	19.6	19.8	3.9	20.2	11.2
1.000 0.000 0.250	46	42.2	21.6	6.8	0.598	0.307	53.6	81.2	40.8	90.9	26.7	0.274	−0.141	0.094	21.6	21.6	6.7	22.6	17.3	1.949	−0.124	1.046	44	620	17	487	37.3	19.2	6.0	50.9	78.0	39.2	87.3	26.7	19.2	19.1	5.9	20.0	17.3
1.000 0.000 0.125	47	41.5	21.4	3.3	0.627	0.323	53.3	80.4	57.2	98.7	35.4	0.273	−0.111	0.119	21.4	21.2	8.0	22.6	20.6	1.943	−0.061	1.06	41	609	17	486	36.8	18.9	2.9	50.6	77.2	55.0	94.8	35.4	18.9	18.8	7.1	20.1	20.6
0.000 0.000 0.000	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.305	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.045	−1	486c	−1	609c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.125 0.125 0.125	49	1.4	1.4	1.6	0.313	0.329	12.2	0.0	0.0	0.0	325.7	0.215	−0.214	0.01	1.4	0.0	0.0	0.0	334.4	0.95	−0.435	0.01	−1	543c	28	543	1.2	1.3	1.4	11.1	0.0	0.0	0.0	325.7	1.3	0.0	0.0	0.0	336.2
0.250 0.250 0.250	50	4.8	5.1	5.5	0.313	0.329	27.0	0.0	0.0	0.0	325.5	0.215	−0.214	0.01	5.1	0.0	0.0	0.0	324.8	0.95	−0.435	0.01	−1	543c	28	543	4.3	4.5	4.9	25.3	0.0	0.0	0.0	325.5	4.5	0.0	0.0	0.0	325.3
0.375 0.375 0.375	51	11.0	11.6	12.6	0.313	0.329	40.6	0.0	0.0	0.0	325.4	0.215	−0.214	0.01	11.6	0.0	0.0	0.0	322.9	0.95	−0.435	0.01	−1	543c	28	543	9.8	10.3	11.2	38.3	0.0	0.0	0.0	325.4	10.3	0.0	0.0	0.0	323.1
0.500 0.500 0.500	52	20.3	21.4	23.3	0.313	0.329	53.4	0.0	0.0	0.0	325.3	0.215	−0.214	0.01	21.4	0.0	0.0	0.0	322.2	0.95	−0.435	0.01	−1	543c	28	543	18.0	19.0	20.6	50.6	0.0	0.0	0.0	325.3	19.0	0.0	0.0	0.0	322.3
0.625 0.625 0.625	53	33.1	34.9	38.0	0.313	0.329	65.6	0.0	0.0	0.0	325.3	0.215	−0.214	0.01	34.9	0.0	0.0	0.0	322.0	0.95	−0.435	0.01	−1	543c	28	543	29.3	30.9	33.6	62.4	0.0	0.0	0.0	325.3	30.9	0.0	0.0	0.0	322.0
0.750 0.750 0.750	54	49.7	52.3	56.9	0.313	0.329	77.4	0.0	0.0	0.0	325.2	0.215	−0.214	0.01	52.3	0.0	0.0	0.0	321.8	0.95	−0.435	0.01	−1	543c	28	543	44.0	46.3	50.4	73.7	0.0	0.0	0.0	325.2	46.3	0.0	0.0	0.0	321.8
0.875 0.875 0.875	55	70.2	73.9	80.5	0.313	0.329	88.9	0.0	0.0	0.0	325.2	0.215	−0.214	0.01	73.9	0.0	0.0	0.0	321.7	0.95	−0.435	0.01	−1	543c	28	543	62.2	65.5	71.3	84.7	0.0	0.0	0.0	325.3	65.5	0.0	0.0	0.0	321.7
1.000 1.000 1.000	56	95.1	100.0	108.9	0.313	0.329	100.0	0.0	0.0	0.0	325.2	0.215	−0.214	0.01	100.0	0.0	0.0	0.0	321.6	0.95	−0.435	0.01	−1	543c	28	543	84.2	88.6	96.5	95.4	0.0	0.0	0.0	325.2	88.6	0.0	0.0	0.0	321.7

TS070−7N, sRGB colours, normalized: *Yn* = *Yw* = 100