

CIE data, for example $\lambda_1, \lambda_2, \lambda_d, \lambda_c$ and XYZxy, LabCh*, YABCh for all optimal colours of maximum (m) chromatic value for D65 and $Y_w=100$ and 89

λ_1	λ_2	λ_d	λ_c	i	[X, Y, Z, x, y] ₁₀₀	[L*, a*, b*, C* _{ab} , h _{ab} , a', b', c'] ₁₀₀	[Y, A, B, C _{AB} , h _{AB} , a, b, c _{AB}] ₁₀₀	[L _d , i _c , λ _d , λ _c] ₁₀₀	[X, Y, Z] ₈₉	[L*, a*, b*, C* _{ab} , h _{ab}] ₈₉	[Y, A, B, C _{AB} , h _{AB}] ₈₉			
405	561	483	589	00	32.6 58.2 108.1	0.219 0.391	80.9 -67.5 -32.4 75.0 205.7	0.181 -0.102 0.04	16 483 37 589	28.9 51.6 95.8	51.6 -20.1 -15.8 25.6 218.2			
435	562	486	610	01	29.1 58.8 88.7	0.198 0.401	81.2 -81.8 -19.2 84.1 193.2	0.173 -0.095 0.044	17 486 42 610	25.8 52.1 78.6	77.3 -78.6 -18.4 80.8 193.2	52.1 -23.6 -8.7 25.3 200.2		
450	563	496	496c	02	22.9 59.4 52.4	0.162 0.419	81.5 -109.0 11.4 109.7 174.0	0.16 -0.079 0.057	19 496 -1 496c	20.3 52.6 46.4	77.7 -104.6 11.0 105.3 174.0	52.6 -29.6 4.4 30.0 171.6		
460	565	506	506c	03	20.9 60.3 34.0	0.148 0.426	82.0 -120.6 33.3 125.2 164.6	0.154 -0.068 0.065	21 506 -1 506c	18.5 53.4 30.1	78.1 -115.9 31.9 120.3 164.6	53.4 -32.2 11.2 34.2 160.8		
465	567	506	506c	04	22.0 61.7 34.0	0.151 0.424	82.7 -118.7 34.5 123.7 163.8	0.155 -0.068 0.063	21 506 -1 506c	19.5 54.6 30.1	78.8 -114.0 33.1 118.8 163.8	54.6 -32.4 11.7 34.5 160.1		
470	569	520	520c	05	21.5 62.7 20.0	0.146 0.427	83.3 -123.4 57.5 136.2 155.0	0.153 -0.056 0.069	24 520 -1 520c	19.0 55.6 17.7	79.4 -118.5 55.3 130.8 155.0	55.6 -33.7 17.1 37.9 153.1		
475	573	528	528c	06	23.8 65.3 14.9	0.154 0.423	84.6 -118.6 70.4 138.0 149.3	0.156 -0.05 0.069	25 528 -1 528c	21.1 57.8 13.2	80.7 -113.9 67.6 132.6 149.3	57.8 -33.8 19.9 39.3 149.6		
480	580	537	537c	07	29.0 70.0 11.1	0.172 0.414	87.0 -107.1 84.2 136.3 141.9	0.163 -0.044 0.067	27 537 -1 537c	25.7 62.0 9.8	82.9 -102.9 80.9 130.9 141.9	62.0 -33.1 23.1 40.4 145.2		
485	595	548	548c	08	42.1 78.8 8.2	0.211 0.395	91.1 -80.4 100.1 128.5 128.8	0.178 -0.038 0.061	29 548 -1 548c	37.3 69.8 7.3	86.9 -77.3 96.1 123.4 128.8	69.8 -28.9 27.5 39.9 136.6		
490	490c	565	459	09	77.1 93.8 6.1	0.291 0.354	97.6 -23.1 119.1 121.3 101.0	0.205 -0.035 0.054	33 565 11 459	68.3 83.1 5.4	93.1 -22.1 114.3 116.5 101.0	83.1 -10.6 34.0 35.7 107.4		
495	495c	566	462	10	77.0 92.3 4.5	0.294 0.353	96.9 -20.5 125.4 127.1 99.3	0.206 -0.03 0.057	33 566 12 462	68.3 81.8 4.0	92.5 -19.7 120.5 122.1 99.3	81.8 -9.4 34.0 35.3 105.6		
500	500c	567	464	11	77.0 90.4 3.3	0.299 0.351	96.2 -17.2 131.2 132.3 97.5	0.208 -0.027 0.06	33 567 12 464	68.2 80.1 2.9	91.7 -16.6 126.0 127.0 97.5	80.1 -7.8 33.7 34.6 103.2		
510	510c	569	469	12	76.9 85.3 1.6	0.311 0.345	94.0 -8.1 140.2 140.4 93.4	0.212 -0.021 0.065	33 569 13 469	68.1 75.5 1.5	89.7 -7.8 134.6 134.8 93.4	75.5 -3.6 32.3 32.5 96.5		
520	520c	570	471	13	76.7 82.0 1.2	0.319 0.341	92.6 -2.4 143.0 143.0 91.0	0.214 -0.019 0.067	34 570 14 471	67.9 72.6 1.0	88.3 -2.3 137.3 137.3 91.0	72.6 -1.0 31.2 31.2 92.0		
530	530c	573	475	14	75.5 74.0 0.6	0.338 0.331	88.9 10.8 144.4 144.8 85.7	0.221 -0.016 0.07	34 573 15 475	66.9 65.6 0.5	84.8 10.4 138.3 138.6 85.7	65.6 4.6 28.4 28.7 80.8		
540	540c	577	478	15	73.3 64.9 0.3	0.361 0.32	84.4 25.5 141.4 143.7 79.8	0.228 -0.012 0.075	35 577 15 478	64.9 57.5 0.2	80.5 24.5 135.0 137.2 79.7	57.5 10.3 24.9 27.0 67.7		
545	545c	579	479	16	71.7 60.1 0.2	0.373 0.313	81.9 33.1 138.3 142.2 76.6	0.232 -0.011 0.077	35 579 15 479	63.5 53.3 0.2	78.0 31.7 132.0 135.8 76.5	53.3 12.9 23.1 26.5 60.9		
550	550c	582	480	17	69.7 55.3 0.1	0.387 0.307	79.2 40.6 134.5 140.5 73.2	0.237 -0.01 0.079	36 582 16 480	61.8 49.0 0.1	75.4 39.0 128.3 134.0 73.1	49.0 15.2 21.3 26.2 54.4		
555	555c	584	481	18	67.4 50.4 0.1	0.401 0.3	76.3 48.0 130.1 138.7 69.8	0.241 -0.009 0.081	36 584 16 481	59.7 44.7 0.1	72.7 46.1 124.0 132.3 69.6	44.7 17.3 19.4 26.0 48.3		
560	560c	589	483	19	61.8 41.0 0.1	0.43 0.285	70.2 61.6 120.1 135.0 62.8	0.251 -0.008 0.085	37 589 16 483	54.7 36.3 0.1	66.8 59.2 114.4 128.8 62.6	36.3 20.2 15.8 25.6 38.0		
561	405	589	483	20	62.5 41.8 0.8	0.428 0.286	70.7 60.9 110.1 125.8 61.1	0.251 -0.021 0.074	37 589 16 483	55.3 37.0 0.7	67.3 58.5 105.5 114.5 61.0	37.0 20.2 15.9 25.6 38.2		
562	435	610	486	21	66.0 41.2 20.2	0.445 0.278	70.3 70.6 34.8 78.7 26.3	0.256 -0.065 0.047	42 610 17 486	58.4 36.5 17.9	66.9 67.8 33.5 75.6 26.3	36.5 23.7 8.8 25.3 20.2		
563	450	496c	496	22	72.1 40.6 56.5	0.47 0.265	69.9 85.9 -12.6 86.8 351.6	0.265 -0.093 0.051	-1 496c 19 496	63.9 35.9 50.1	66.5 82.5 -12.1 83.3 351.6	35.9 29.7 -4.3 30.0 351.6		
565	460	506c	506	23	74.2 39.7 74.9	0.483 0.258	69.2 92.9 -29.4 97.5 342.4	0.27 -0.103 0.058	-1 506c 21 506	65.7 35.2 66.3	65.9 89.2 -28.3 93.6 342.4	35.2 32.3 -11.1 34.2 340.8		
567	465	506c	506	24	73.1 38.3 74.9	0.488 0.256	68.3 94.8 -31.1 99.9 341.8	0.272 -0.104 0.06	-1 506c 21 506	64.7 34.0 66.3	64.9 91.1 -29.9 95.9 341.8	34.0 32.5 -11.6 34.5 340.1		
569	470	520c	520	25	73.6 37.3 88.9	0.497 0.252	67.5 95.2 -42.9 108.2 336.6	0.275 -0.111 0.066	-1 520c 24 520	65.2 33.0 78.8	64.2 95.3 -41.2 103.9 336.6	33.0 33.8 -17.0 37.9 333.1		
573	475	528c	528	26	71.3 34.7 94.0	0.507 0.247	65.5 102.9 -49.8 114.3 334.1	0.278 -0.116 0.071	-1 528c 25 528	63.1 30.7 83.3	62.3 98.8 -47.8 109.8 334.1	30.7 33.9 -19.8 39.3 329.6		
580	480	537c	537	27	66.0 30.0 97.8	0.524 0.238	61.7 108.0 -58.9 123.0 331.3	0.285 -0.123 0.08	-1 537c 27 537	58.5 26.6 86.7	58.6 103.7 -56.6 118.2 331.3	26.6 33.2 -23.0 40.4 325.2		
595	485	548c	548	28	52.9 21.2 100.7	0.555 0.223	53.2 113.0 -75.4 135.9 326.3	0.297 -0.14 0.099	-1 548c 29 548	46.9 18.8 89.2	50.5 108.5 -72.4 130.5 326.3	18.8 29.0 -27.4 39.9 316.6		
490c	490	459	565	29	18.0 6.2 102.8	0.592 0.204	29.9 89.0 -116.9 147.0 307.3	0.312 -0.213 0.16	11 459 33 565	15.9 5.5 91.0	28.1 85.5 -112.3 141.2 307.3	5.5 10.7 -33.9 35.7 287.4		
495c	495	462	566	30	18.0 7.7 104.4	0.539 0.23	33.4 74.4 -112.0 134.6 303.6	0.291 -0.199 0.137	12 462 33 566	15.9 6.8 92.5	31.4 71.5 -107.6 129.2 303.6	6.8 9.5 -33.9 35.3 285.6		
500c	500	464	567	31	18.0 9.6 105.6	0.485 0.258	37.1 58.4 -106.3 121.4 298.8	0.27 -0.185 0.115	12 464 33 567	16.0 8.5 93.6	35.0 56.1 -102.1 116.6 298.8	8.5 7.9 -33.6 34.6 283.2		
510c	510	469	569	32	18.1 14.7 107.3	0.381 0.309	45.3 23.9 -93.3 96.4 284.4	0.235 -0.161 0.079	13 469 33 569	16.1 13.0 95.0	42.8 23.0 -89.6 92.6 284.4	13.0 3.7 -32.2 32.5 276.5		
520c	520	471	570	33	18.4 18.0 107.7	0.338 0.331	49.5 6.8 -86.2 86.6 274.5	0.221 -0.151 0.067	14 471 34 570	16.3 16.0 95.4	46.9 6.5 -82.8 83.2 274.5	16.0 1.1 -31.1 31.2 272.0		
530c	530	475	573	34	19.5 26.0 108.3	0.273 0.363	58.0 -23.9 -72.0 76.0 251.6	0.199 -0.134 0.052	15 475 34 573	17.3 23.0 96.0	55.1 -22.9 -69.1 72.9 251.6	23.0 -4.5 -28.3 28.7 260.8		
540c	540	478	577	35	21.8 35.1 108.6	0.237 0.382	65.8 -46.6 -58.7 75.1 231.5	0.187 -0.121 0.047	15 478 35 577	19.3 31.1 96.2	62.6 -44.8 -56.3 72.1 231.5	31.1 -10.2 -24.8 27.0 247.7		
545c	545	479	579	36	23.4 39.9 108.7	0.227 0.387	69.4 -54.6 -52.6 75.9 223.9	0.183 -0.116 0.046	15 479 35 579	20.7 35.3 96.3	66.0 -52.4 -50.5 72.9 223.9	35.3 -12.8 -23.0 26.5 240.9		
550c	550	480	582	37	25.3 44.7 108.8	0.221 0.37	72.7 -60.5 -46.9 76.7 217.8	0.181 -0.112 0.044	16 480 36 582	22.4 39.6 96.4	69.2 -58.1 -45.0 73.6 217.8	39.6 -15.1 -21.2 26.2 234.4		
555c	555	481	584	38	27.6 49.6 108.8	0.218 0.391	75.8 -64.4 -41.5 76.8 212.8	0.18 -0.108 0.043	16 481 36 584	24.5 43.9 96.4	72.2 -61.9 -39.9 73.7 212.8	43.9 -17.2 -19.3 26.0 228.3		
560c	560	483	589	39	33.3 59.0 108.8	0.22 0.39	81.3 -66.9 -32.1 74.3 205.7	0.181 -0.102 0.039	16 483 37 589	29.5 52.3 96.4	77.4 -64.2 -30.9 71.4 205.7	52.3 -20.1 -15.7 25.6 218.0		
0x	0x	0x	0x	40	95.0 100.0 108.9	0.322 0.339	100.0 0.0 0.0 0.0 0.0	0.215 -0.085 0.01	100.0 0.0 0.0 0.0 0.95	-0.435 0.01	0 0x 0 0x	84.2 88.6 96.5	95.4 0.0 0.0 0.0 0.0	88.6 0.0 0.0 0.0 2.9