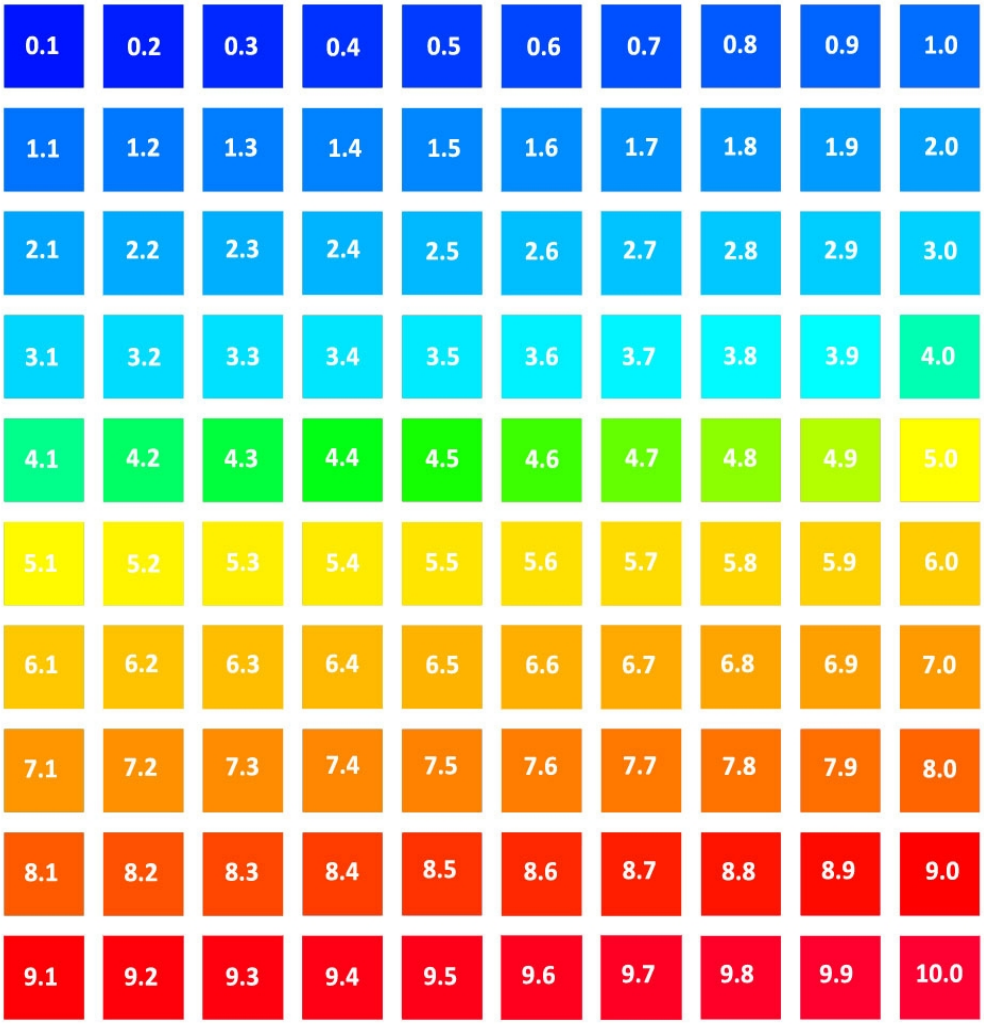
Moment Magnitude Scale Color Schema (MwLUX)



MMS	RGB	#HEX	Ms	Sec
0.0	0,10,255	#000AFF		
0.1	0,20,255	#0014FF		
0.2	0,30,255	#001EFF		
0.3	0,40,255	#0028FF		
0.3	0,50,255	#0032FF		
0.5	0,60,255	#003CFF	83,	0.083
0.6	0,70,255	#0046FF	92,	0.092
0.7	0,80,255	#0050FF	102,	0.102
0.8	0,90,255	#005AFF	113,	0.113
0.9	0,100,255	#0064FF	126,	0.126
1.0	0,110,255	#006EFF	139,	0.139
1.1	0,115,255	#0073FF	155,	0.155
1.2	0,120,255	#0078FF	172,	0.172
1.3	0,125,255	#007DFF	190,	0.190
1.4	0,130,255	#0082FF	211,	0.211
1.5	0,135,255	#0087FF	234,	0.234
1.6	0,140,255	#008CFF	260,	0.260
1.7	0,145,255	#0091FF	288,	0.288
1.8	0,150,255	#0096FF	320,	0.320
1.9	0,155,255	#009BFF	355,	0.355
2.0	0,160,255	#00A0FF	394,	0.355
2.1	0,165,255	#00A5FF	437,	0.437
2.2	0,170,255	#00AAFF	485,	0.485
2.3	0,175,255	#00AFFF	539,	0.539
2.4	0,180,255	#00B4FF	596,	0.596
2.5	0,185,255	#00B9FF	662,	0.662
2.6	0,190,255	#00BEFF	734,	0.734
2.7	0,195,255	#00C3FF	814,	0.814
2.8	0,200,255	#00C8FF	903,	0.903
2.9	0,205,255	#00CDFF	1002,	1.002
3.0	0,210,255	#00D2FF	1112,	1.112
3.1	0,215,255	#00D7FF	1233,	1.233
3.2	0,220,255	#00DCFF	1368,	1.368
3.3	0,225,255	#00E1FF	1518,	1.518
3.4	0,230,255	#00E6FF	1684,	1.684
3.5	0,235,255	#00EBFF	1868,	1.868
3.6	0,240,255	#00F0FF	2072,	2.072
3.7	0,245,255	#00F5FF	2298,	2.298
3.8	0,250,255	#00FAFF	2550,	2.550
3.9	0,255,255	#00FFFF	2828,	2.828
4.0	0,255,180	#00FFB4	3137,	3.137
4.1	0,255,140	#00FF8C	3480,	3.480
4.2	0,255,100	#00FF64	3861,	3.861
4.3	0,255,60	#00FF3C	4283,	4.283
4.4	0,255,20	#00FF14	4751,	4.751
4.5	20,255,0	#14FF00	5270,	5.270
4.6	60,255,0	#3CFF00	5846,	5.846
4.7	100,255,0	#64FF00	6485,	6.485
4.8	140,255,0	#8CFF00	7194,	7.194
4.9	180,255,0	#B4FF00	7980,	7.980
5.0	255,255,0	#FFFF00	8852,	8.852

MMS	RGB	#HEX	Ms	Sec
5.1	255,250,0	#FFFA00	9820,	9.820
5.2	255,245,0	#FFF500	10893,	10.893
5.3	255,240,0	#FFF000	12084,	12.084
5.4	255,235,0	#FFEB00	13404,	13.404
5.5	255,230,0	#FFE600	14869,	14.869
5.6	255,225,0	#FFE100	16494,	16.494
5.7	255,220,0	#FFDC00	18297,	18.297
5.8	255,215,0	#FFD700	20297,	20.297
5.9	255,210,0	#FFD200	22515,	22.515
6.0	255,205,0	#FFCD00	24976,	24.976
6.1	255,200,0	#FFC800	27705,	27.705
6.2	255,195,0	#FFC300	30733,	30.733
6.3	255,190,0	#FFBE00	34092,	34.092
6.4	255,185,0	#FFB900	37818,	37.818
6.5	255,180,0	#FFB400	41951,	41.951
6.6	255,175,0	#FFAF00	46536,	46.536
6.7	255,170,0	#FFAA00	51622,	51.622
6.8	255,165,0	#FFA500	57264,	57.264
6.9	255,160,0	#FFA000	63522,	63.522
7.0	255,155,0	#FF9B00	70465,	70.465
7.1	255,150,0	#FF9600	78166,	78.166
7.2	255,145,0	#FF9100	86709,	86.709
7.3	255,140,0	#FF8C00	96185,	96.185
7.4	255,135,0	#FF8700	106697,	106.697
7.5	255,130,0	#FF8200	118358,	118.358
7.6	255,125,0	#FF7D00	131294,	131.294
7.7	255,120,0	#FF7800	145643,	145.643
7.8	255,115,0	#FF7300	161560,	161.560
7.9	255,110,0	#FF6E00	179217,	179.217
8.0	255,100,0	#FF6400	198804,	198.804
8.1	255,90,0	#FF5A00	220531,	220.531
8.2	255,80,0	#FF5000	244633,	24.4633
8.3	255,70,0	#FF4600	271369,	271.369
8.4	255,60,0	#FF3C00	301027,	301.027
8.5	255,50,0	#FF3200	333926,	333.926
8.6	255,40,0	#FF2800	370421,	370.421
8.7	255,30,0	#FF1E00	410904,	410.904
8.8	255,20,0	#FF1400	455812,	455.812
8.9	255,10,0	#FF0A00	505627,	505.627
9.0	255,0,0	#FF0000	560887,	560.887
9.1	255,0,5	#FF0005	622186,	622.186
9.2	255,0,10	#FF000A	690185,	690.185
9.3	255,0,15	#FF000F	765615,	765.615
9.4	255,0,20	#FF0014	849289,	849.289
9.5	255,0,25	#FF0019	942108,	942.108
9.6	255,0,30	#FF001E	104507,	1104.50
9.7	255,0,35	#FF0023	1159287,	115.92
9.8	255,0,40	#FF0028	1285985,	1285.98
9.9	255,0,45	#FF002D	1426530,	1426.53
10.0	255,0,50	#FF0032	1582430,	1582,43

REFERENCES

Mercalli Intensity Scale
http://en.wikipedia.org/wiki/Modified_Mercalli_scale

Moment Magnitude Scale (MM)
http://en.wikipedia.org/wiki/Moment_magnitude_scale

Motion Vs Magnitude Formula Timings
Seconds at 0 distance = 10((M+1.05)/2.22)**
(10X + 1.05 divide 2.22 to the power of 10)
Written by Dr Andy Michael and Dr Geo Homsy, 2008