

Messier Object Data, sorted by Declination

This ordering scheme was recently introduced by **Patrick Moore** in his [Caldwell Catalog](#). Certainly, we can present the Messier catalog in the same order.

Type:

1=Open Cluster, 2=Globular Cluster, 3=Planetary Nebula, 4=Starforming Nebula (with open cluster), 5=Spiral Galaxy, 6=Elliptical Galaxy, 7=Irregular Galaxy, 8=Lenticular (S0) Galaxy, 9=Supernova Remnant, A=System of 4 stars or Asterism, B=Milky Way Patch, C=Binary star.

ra=

right ascension in hours minutes.decimal seconds

dec=

declination in degrees minutes

B=

apparent visual magnitude

D=

apparent (angular) dimension in arc minutes

d=

distance in kilo-light-years

Link	M#	NGC#	Con	Type	ra	dec	B	D	d
M82	082	3034	UMa	7 09	55.8 +69 41	8.4	9x4	12000	
M81	081	3031	UMa	5 09	55.6 +69 04	6.9	21x10	12000	
M52	052	7654	Cas	1 23	24.2 +61 35	7.3	13.0	5.0	
M103	103	581	Cas	1 01	33.2 +60 42	7.4	6.0	8.5	
M40	040	Win4	UMa	C 12	22.4 +58 05	8.4	0.8	0.51	
M102?	102?	5866	Dra	8 15	06.5 +55 46	9.9	5.2x2.3	40000	
M108	108	3556	UMa	5 11	11.5 +55 40	10.0	8x1	45000	
M97	097	3587	UMa	3 11	14.8 +55 01	9.9	3.4x3.3	2.6	
M101	101	5457	UMa	5 14	03.2 +54 21	7.9	22.0	27000	
M109	109	3992	UMa	5 11	57.6 +53 23	9.8	7x4	55000	
M76	076	650	Per	3 01	42.4 +51 34	10.1	2.7x1.8	3.4	
M39	039	7092	Cyg	1 21	32.2 +48 26	4.6	32.0	0.825	
M106	106	4258	CVn	5 12	19.0 +47 18	8.4	19x8	25000	
M51	051	5194	CVn	5 13	29.9 +47 12	8.4	11x7	37000	
M92	092	6341	Her	2 17	17.1 +43 08	6.4	11.2	26.7	
M34	034	1039	Per	1 02	42.0 +42 47	5.5	35.0	1.4	
M63	063	5055	CVn	5 13	15.8 +42 02	8.6	10x6	37000	
M110	110	205	And	6 00	40.4 +41 41	8.5	17x10	2900	
M31	031	224	And	5 00	42.7 +41 16	3.4	178x63	2900	
M94	094	4736	CVn	5 12	50.9 +41 07	8.2	7x3	14500	
M32	032	221	And	6 00	42.7 +40 52	8.1	8x6	2900	
M29	029	6913	Cyg	1 20	23.9 +38 32	7.1	7.0	4.0	
M13	013	6205	Her	2 16	41.7 +36 28	5.8	16.6	25.1	
M38	038	1912	Aur	1 05	28.4 +35 50	7.4	21.0	4.2	
M36	036	1960	Aur	1 05	36.1 +34 08	6.3	12.0	4.1	
M57	057	6720	Lyr	3 18	53.6 +33 02	8.8	1.4x1.0	2.3	
M37	037	2099	Aur	1 05	52.4 +32 33	6.2	24.0	4.4	

<u>M33</u>	033	598	Tri	5	01	33.9	+30	39	5.7	73x45	3000
<u>M56</u>	056	6779	Lyr	2	19	16.6	+30	11	8.3	7.1	32.9
<u>M3</u>	003	5272	CVn	2	13	42.2	+28	23	6.2	16.2	33.9
<u>M35</u>	035	2168	Gem	1	06	08.9	+24	20	5.3	28.0	2.8
<u>M45</u>	045	0000	Tau	1	03	47.0	+24	07	1.6	110.0	0.38
<u>M27</u>	027	6853	Vul	3	19	59.6	+22	43	7.4	8.0x5.7	1.25
<u>M1</u>	001	1952	Tau	9	05	34.5	+22	01	8.4	6x4	6.3
<u>M64</u>	064	4826	Com	5	12	56.7	+21	41	8.5	9.3x5.4	19000
<u>M44</u>	044	2632	Cnc	1	08	40.1	+19	59	3.7	95.0	0.577
<u>M71</u>	071	6838	Sge	2	19	53.8	+18	47	8.2	7.2	12.7
<u>M85</u>	085	4382	Com	8	12	25.4	+18	11	9.1	7.1x5.2	60000
<u>M53</u>	053	5024	Com	2	13	12.9	+18	10	7.6	12.6	59.7
<u>M100</u>	100	4321	Com	5	12	22.9	+15	49	9.3	7x6	60000
<u>M74</u>	074	628	Psc	5	01	36.7	+15	47	9.4	10.2x9.5	35000
<u>M98</u>	098	4192	Com	5	12	13.8	+14	54	10.1	9.5x3.2	60000
<u>M91</u>	091	4548	Com	5	12	35.4	+14	30	10.2	5.4x4.4	60000
<u>M88</u>	088	4501	Com	5	12	32.0	+14	25	9.6	7x4	60000
<u>M99</u>	099	4254	Com	5	12	18.8	+14	25	9.9	5.4x4.8	60000
<u>M90</u>	090	4569	Vir	5	12	36.8	+13	10	9.5	9.5x4.5	60000
<u>M65</u>	065	3623	Leo	5	11	18.9	+13	05	9.3	8x1.5	35000
<u>M66</u>	066	3627	Leo	5	11	20.2	+12	59	8.9	8x2.5	35000
<u>M86</u>	086	4406	Vir	8	12	26.2	+12	57	8.9	7.5x5.5	60000
<u>M84</u>	084	4374	Vir	8	12	25.1	+12	53	9.1	5.0	60000
<u>M105</u>	105	3379	Leo	6	10	47.8	+12	35	9.3	2.0	38000
<u>M89</u>	089	4552	Vir	6	12	35.7	+12	33	9.8	4.0	60000
<u>M87</u>	087	4486	Vir	6	12	30.8	+12	24	8.6	7.0	60000
<u>M15</u>	015	7078	Peg	2	21	30.0	+12	10	6.2	12.3	33.6
<u>M58</u>	058	4579	Vir	5	12	37.7	+11	49	9.7	5.5x4.5	60000
<u>M67</u>	067	2682	Cnc	1	08	50.4	+11	49	6.1	30.0	2.7
<u>M96</u>	096	3368	Leo	5	10	46.8	+11	49	9.2	6x4	38000
<u>M95</u>	095	3351	Leo	5	10	44.0	+11	42	9.7	4.4x3.3	38000
<u>M59</u>	059	4621	Vir	6	12	42.0	+11	39	9.6	5x3.5	60000
<u>M60</u>	060	4649	Vir	6	12	43.7	+11	33	8.8	7x6	60000
<u>M49</u>	049	4472	Vir	6	12	29.8	+08	00	8.4	9x7.5	60000
<u>M61</u>	061	4303	Vir	5	12	21.9	+04	28	9.7	6x5.5	60000
<u>M5</u>	005	5904	Ser	2	15	18.6	+02	05	5.6	17.4	24.5
<u>M78</u>	078	2068	Ori	4	05	46.7	+00	03	8.3	8x6	1.6
<u>M77</u>	077	1068	Cet	5	02	42.7	-00	01	8.9	7x6	60000
<u>M2</u>	002	7089	Aqr	2	21	33.5	-00	49	6.5	12.9	37.5
<u>M12</u>	012	6218	Oph	2	16	47.2	-01	57	6.7	14.5	16.0
<u>M14</u>	014	6402	Oph	2	17	37.6	-03	15	7.6	11.7	29.0
<u>M10</u>	010	6254	Oph	2	16	57.1	-04	06	6.6	15.1	14.4
<u>M43</u>	043	1982	Ori	4	05	35.6	-05	16	9.0	20x15	1.6
<u>M42</u>	042	1976	Ori	4	05	35.4	-05	27	4.0	85x60	1.6
<u>M48</u>	048	2548	Hya	1	08	13.8	-05	48	5.5	54.0	1.5
<u>M11</u>	011	6705	Sct	1	18	51.1	-06	16	6.3	14.0	6
<u>M50</u>	050	2323	Mon	1	07	03.2	-08	20	6.3	16.0	3
<u>M26</u>	026	6694	Sct	1	18	45.2	-09	24	8.0	15.0	5
<u>M104</u>	104	4594	Vir	5	12	40.0	-11	37	8.0	9x4	50000
<u>M72</u>	072	6981	Aqr	2	20	53.5	-12	32	9.3	5.9	55.4
<u>M73</u>	073	6994	Aqr	A	20	58.9	-12	38	9.0	2.8	2.0
<u>M107</u>	107	6171	Oph	2	16	32.5	-13	03	7.9	10.0	20.9
<u>M16</u>	016	6611	Ser	1	18	18.8	-13	47	6.4	7.0	7
<u>M47</u>	047	2422	Pup	1	07	36.6	-14	30	5.2	30.0	1.6
<u>M46</u>	046	2437	Pup	1	07	41.8	-14	49	6.0	27.0	5.4
<u>M17</u>	017	6618	Sgr	4	18	20.8	-16	11	7.0	11.0	5
<u>M18</u>	018	6613	Sgr	1	18	19.9	-17	08	7.5	9.0	4.9

<u>M24</u>	024	>6603	Sgr	B	18	16.9	-18	29	4.6	90	10
<u>M9</u>	009	6333	Oph	2	17	19.2	-18	31	7.7	9.3	26.7
<u>M23</u>	023	6494	Sgr	1	17	56.8	-19	01	6.9	27.0	2.15
<u>M25</u>	025	I4725	Sgr	1	18	31.6	-19	15	6.5	40.0	2
<u>M41</u>	041	2287	CMa	1	06	46.0	-20	44	4.6	38.0	2.3
<u>M75</u>	075	6864	Sgr	2	20	06.1	-21	55	8.5	6.0	61.3
<u>M21</u>	021	6531	Sgr	1	18	04.6	-22	30	6.5	13.0	4.25
<u>M80</u>	080	6093	Sco	2	16	17.0	-22	59	7.3	8.9	32.6
<u>M20</u>	020	6514	Sgr	4	18	02.6	-23	02	9.0	28.0	5.2
<u>M30</u>	030	7099	Cap	2	21	40.4	-23	11	7.2	11.0	26.1
<u>M93</u>	093	2447	Pup	1	07	44.6	-23	52	6.0	22.0	3.6
<u>M22</u>	022	6656	Sgr	2	18	36.4	-23	54	5.1	24.0	10.4
<u>M8</u>	008	6523	Sgr	4	18	03.8	-24	23	6.0	90x40	5.2
<u>M79</u>	079	1904	Lep	2	05	24.5	-24	33	7.7	8.7	42.1
<u>M28</u>	028	6626	Sgr	2	18	24.5	-24	52	6.8	11.2	18.6
<u>M19</u>	019	6273	Oph	2	17	02.6	-26	16	6.8	13.5	28.4
<u>M4</u>	004	6121	Sco	2	16	23.6	-26	32	5.6	26.3	7.2
<u>M68</u>	068	4590	Hya	2	12	39.5	-26	45	7.8	12.0	33.3
<u>M83</u>	083	5236	Hya	5	13	37.0	-29	52	7.6	11x10	15000
<u>M62</u>	062	6266	Oph	2	17	01.2	-30	07	6.5	14.1	22.5
<u>M54</u>	054	6715	Sgr	2	18	55.1	-30	29	7.6	9.1	88.7
<u>M55</u>	055	6809	Sgr	2	19	40.0	-30	58	6.3	19.0	17.6
<u>M6</u>	006	6405	Sco	1	17	40.1	-32	13	4.2	25.0	1.6
<u>M70</u>	070	6681	Sgr	2	18	43.2	-32	18	7.9	7.8	29.4
<u>M69</u>	069	6637	Sgr	2	18	31.4	-32	21	7.6	7.1	28.0
<u>M7</u>	007	6475	Sco	1	17	53.9	-34	49	4.1	80.0	0.8