

MESSIER OBJECTS LIST

AK, from Wikipedia

M No,	NGC No.	Common name	Object type	Distance kly	In Constellation	App mag.
M1	1952	Crab Nebula	Supernova	4.9–8.1	Taurus	8.4
M2	7089	Messier 2	Glob Cluster	33	Aquarius	6.3
M3	5272	Messier 3	LRGB Cluster	33.9	Canes Venatici	6.2
M4	6121	Messier 4	Glob Cluster	7.2	Scorpius	5.9
M5	5904	Messier 5	Glob Cluster	24.5	Serpens	6.7
M6	6405	M6a (Butterfly)	Open Cluster	1.6	Scorpius	4.2
M7	6475	Messier 7 (Ptolemy)	Open Cluster	0.65–1.31	Scorpius	3.3
M8	6523	M8 (Lagoon Nebula)	Nebula Cluster	4.1	Sagittarius	6.0
M9	6333	Messier 9	Glob Cluster	25.8	Ophiuchus	8.4
M10	6254	Messier 10	Glob Cluster	14.3	Ophiuchus	6.4
M11	6705	M11 (Wild Duck)	Open Cluster	6.2	Scutum	6.3
M12	6218	M12	Glob Cluster	15.7	Ophiuchus	7.7
M13	6205	M13 (The Great)	Glob Cluster	22.2	Hercules	5.8
M14	6402	Messier 14	Glob Cluster	30.3	Ophiuchus	8.3
M15	7078	Messier 15	Glob Cluster	33	Pegasus	6.2
M16	6611	M16 (Eagle Nebula)	Nebula	7	Serpens	6.0
M17	6618	Omega, Horseshoe, Swan or Lobster	Nebula	5–6	Sagittarius	6.0
M18	6613	Messier18	Open Cluster	4.9	Sagittarius	7.5
M19	6273	Messier19	Glob Cluster	28.7	Ophiuchus	7.5
M20	6514	Trifid Nebula	Nebula Cluster	5.2	Sagittarius	6.3
M21	6531	Messier 21	Open Cluster	4.25	Sagittarius	6.5
M22	6656	Sagittarius Cluster	Glob Cluster	9.6–11.6	Sagittarius	5.1
M23	6494	Messier 23	Open Cluster	2.15	Sagittarius	6.9
M24	IC4715	Sagittarius Cloud	Milky Way Cloud	10	Sagittarius	4.6
M25	IC4725	Messier 25	Open Cluster	2.0	Sagittarius	4.6
M26	6694	Messier 26	Open Cluster	5.0	Scutum	8.0
M27	6853	Dumbbell Nebula	Planetary Nebula	1.148–1.52	Vulpecula	7.5
M28	6626	Messier 28	Glob Cluster	17.9	Sagittarius	7.7
M29	6913	Messier 29	Open Cluster	7.2	Cygnus	7.1
M30	7099	Messier 30	Glob Cluster	27.8–31	Capricornus	7.7
M31	224	Andromeda Galaxy	Spiral Galaxy	2,430–2,650	Andromeda	3.4
M32	221	Lanoue Galaxy	Dwarf Galaxy	2,410–2,570	Andromeda	8.1
M33	598	Triangulum Galaxy	Spiral Galaxy	2,380–3,070	Triangulum	5.7
M34	1039	mass atlas	Open Cluster	1.5	Perseus	5.5
M35	2168	atlas	Open Cluster	2.8	Gemini	5.3
M36	1960	M36a	Open Cluster	4.1	Auriga	6.3
M37	2099	M37a	Open Cluster	4.511	Auriga	6.2
M38	1912	Messier 38	Open Cluster	4.2	Auriga	7.4
M39	7092	Messier 39	Open Cluster	0.8244	Cygnus	5.5
M40	Winnecke 4	Messier 40	Double Star	0.51	Ursa Major	9.7
M41	2287	Messier 41	Open Cluster	2.3	Canis Major	4.5
M42	1976	Orion Nebula	Nebula	1.324–1.364	Orion	4.0
M43	1982	De Mairan's Nebula	Nebula (Orion)	1.6	Orion	9.0
M44	2632	Beehive Cluster	Open Cluster	0.577	Cancer	3.7
M45	Pleiades	Bob Star	Open Cluster	0.39–0.46	Taurus	1.6
M46	2437	M46a	Open Cluster	5.4	Puppis	6.1
M47	2422	M47a	Open Cluster	1.6	Puppis	4.2
M48	2548	M48a	Open Cluster	1.5	Hydra	5.5
M49	4472	Messier 49	Elliptical Galaxy	55,000	Virgo	9.4
M50	2323	M50a	Open Cluster	3.2	Monoceros	5.9
M51	5194	Whirlpool Galaxy	Spiral Galaxy	24,000	Canes Venatici	8.4
M52	7654	Mwssier 52	Open Cluster	5.0	Cassiopeia	5.0
M53	5024	Messier 53	Glob Cluster	58	Coma Berenices	8.3
M54	6715	Messier 54	Glob Cluster	87.4	Sagittarius	8.4
M55	6809	Messier 55	Glob Cluster	17.6	Sagittarius	7.4
M56	6779	M56-LRGB	Glob Cluster	32.9	Lyra	8.3
M57	6720	Ring Nebula	Planetary Nebula	1.6–3.8	Lyra	8.8

M58	4579	M58s	Spiral Galaxy	63,000	Virgo	10.5
M59	4621	Messier 59	Elliptical Galaxy	60,000	Virgo	10.6
M60	4649	Messier 60	Elliptical Galaxy	55,000	Virgo	9.8
M61	4303	Messier 61	Spiral Galaxy	52,000	Virgo	10.2
M62	6266	Messier 62	Glob Cluster	22.2	Ophiuchus	7.4
M63	5055	Sunflower Galaxy	Spiral Galaxy	37,000	Canes Venatici	9.3
M64	4826	Black Eye Galaxy	Spiral Galaxy	24,000	Coma Berenices	9.4
M65	3623	Leo Triplet	Barred Galaxy	41,000	Leo	10.3
M66	3627	Leo Triplet	Spiral Galaxy	35,000	Leo	8.9
M67	2682	Messier 67	Open Cluster	2.61–2.93	Cancer	6.1
M68	4590	Messier 68	Glob Cluster	33.6	Hydra	9.7
M69	6637	Messier 69	Glob Cluster	29.7	Sagittarius	8.3
M70	6681	Messier70	Glob Cluster	29.4	Sagittarius	9.1
M71	6838	Messier71	Glob Cluster	13.0	Sagitta	6.1
M72	6981	Messier72	Glob Cluster	53.40–55.74	Aquarius	9.4
M73	6994	Messier 73	Asterism	2.5	Aquarius	9.0
M74	628	Messier 74	Spiral Galaxy	30,000	Pisces	10.0
M75	6864	Messier75	Glob Cluster	67.5	Sagittarius	9.2
M76	650	Little Dumbbell	Planetary Nebula	2.5	Perseus	10.1
M77	1068	Cetus A	Spiral Galaxy	47,000	Cetus	9.6
M78	2068	Messier 78	Diffuse Nebula	1.6	Orion	8.3
M79	1904	Messier 79a	Glob Cluster	41	Lepus	8.6
M80	6093	Swarm of Stars	Glob Cluster	32.6	Scorpius	7.9
M81	3031	Bode's Galaxy	Spiral Galaxy	11,800	Ursa Major	6.9
M82	3034	Cigar Galaxy	Starb Galaxy	11,000	Ursa Major	8.4
M83	5236	Southern Pinwheel	Spiral Galaxy	14,700	Hydra	7.5
M84	4374	Messier 84	Lentic Galaxy	60,000	Virgo	10.1
M85	4382	Messier 85	Lentic Galaxy	60,000	Coma Berenices	10.0
M86	4406	Messier 86	Lentic Galaxy	52,000	Virgo	9.8
M87	4486	Virgo A	Elliptic Galaxy	54,000	Virgo	9.6
M88	4501	Messier 88	Spiral Galaxy	45,000	Coma Berenices	10.4
M89	4552	Messier 89	Elliptic Galaxy	50,000	Virgo	10.7
M90	4569	Messier 90	Spiral Galaxy	58,000	Virgo	10.3
M91	4548	Messier 91	Barred Galaxy	55,000	Coma Berenices	11.0
M92	6341	Messier 92	Glob Cluster	26.7	Hercules	6.3
M93	2447	Messier 93	Open Cluster	3.6	Puppis	6.0
M94	4736	Messier 94	Spiral Galaxy	16,000	Canes Venatici	9.0
M95	3351	Messier 95	Bar Spir Galaxy	32,000	Leo	11.4
M96	3368	Messier 96	Spiral Galaxy	30,000	Leo	10.1
M97	3587	Owl Nebula	Planetary Nebula	2.03	Ursa Major	9.9
M98	4192	Messier 98	Spiral Galaxy	44,400	Coma Berenices	11.0
M99	4254	Messier 99	Spiral Galaxy	50,000	Coma Berenices	10.4
M100	4321	Messier 100	Spiral Galaxy	55,000	Coma Berenices	10.1
M101	5457	Pinwheel Galaxy	Spiral Galaxy	20,000	Ursa Major	7.9
M102	5866	Spindle Galaxy	Lentic Galaxy	50,000	Draco	10.7
M103	581	Messier 103	Open Cluster	10	Cassiopeia	7.4
M104	4594	Sombrero Galaxy	Spiral Galaxy	29,000	Virgo	9.0
M105	3379	Messier 105	Elliptic Galaxy	31,000	Leo	10.2
M106	4258	Messier 106	Spiral Galaxy	24,000	Canes Venatici	9.1
M107	6171	Messier 107	Glob Cluster	20.9	Ophiuchus	8.9
M108	3556	Messier 108	Bar Spir Galaxy	46,000	Ursa Major	10.7
M109	3992	Messier 109	Bar Spir Galaxy	70,000	Ursa Major	10.6
M110	205	Messier 110	Dwarf Galaxy	2,600	Andromeda	9.0

The Messier objects are a set of 110 astronomical objects catalogued by the French astronomer **Charles Messier** in his "Catalogue des Nébuleuses et des Amas d'Étoiles" ("Catalogue of Nebulae and Star Clusters"). A preliminary version first appeared in Memoirs of the French Academy of Sciences in 1771 and the last item was added in 1966 by **Kenneth Glynn Jones**, based on Messier's observations.

The catalogue consists of a diverse range of astronomical objects, ranging from star clusters, nebula and galaxies. Messier 1 is the supernova remnant of Crab Nebula and the great spiral Andromeda Galaxy is M 31.