



Space

## The 30 Closest Stars

The Planets

Comets,  
Meteors &  
Asteroids

Stars

The  
Universe

Telescopes

Timekeeping

The  
Observatory

General  
Astronomy

What's  
New?

Links

Star Name	RA	Dec	Distance (Ly)	Spectral Type	Apparent visual magnitude	Absolute visual magnitude
	(2000.0)					
The Sun				G2V	-26.72	4.85
1 Proxima Cen	14 30.0	-62 40.0	4.24	M5Ve	11.05	15.49
2 Alpha Cen A	14 39.6	-60 50	4.34	G2V	-0.01	4.37
3 Alpha Cen B	14 39.6	-60 50	4.34	K2V	1.33	5.71
4 Barnard's Star	17 57.9	+04 41	5.97	M4V	9.54	13.22
5 Wolf 359	10 56.7	+07 00	7.80	M6V	13.53	16.65
6 Lalande 21185	11 03.4	+35 58	8.19	M2V	7.50	10.50
7 UV Ceti A	01 38.8	-17 57	8.55	M5V	12.52	15.46
8 UV Ceti B	01 38.8	-17 57	8.55	M6V	13.02	15.96
9 Sirius A	06 45.1	-16 43	8.68	A1V	-1.46	1.42
10 Sirius B	06 45.1	-16 43	8.68	dA	8.30	11.20
11 Ross 154	18 49.7	-23 49	9.52	M4Ve	10.45	13.14
12 Ross 248	23 41.9	+44 10	10.37	M5V	12.29	14.78
13 Epsilon Eri	03 32.9	-09 28	10.63	K2V	3.73	6.14
14 Ross 128	11 47.6	+00 48	10.80	M4V	11.10	13.47
15 Luyten 789-6	22 38.4	-15 18	11.12	M6V	12.18	14.49
16 Groombridge 34 A	00 18.1	+44 00	11.22	M2V	8.08	10.39
17 Groombridge 34 B	00 18.1	+44 00	11.22	M4V	11.06	13.37
18 61 Cyg A	21 06.9	+38 45	11.22	K4V	5.22	7.56
19 61 Cyg B	21 06.9	+38 45	11.22	K5V	6.03	8.37
20 BD +59° 1915 A	18 42.9	+59 37	11.25	M3V	8.90	11.15
21 BD +59° 1915 A	18 42.9	+59 37	11.25	M4V	9.69	11.94

22	Epsilon Ind	22 03.4	-56 47	11.25	K3V	4.68	7.00
23	Tau Cet	01 44.1	-15 56	11.35	G8V	3.50	5.72
24	Lacaille 9352	23 05.9	-35 51	11.42	M1V	7.35	9.58
25	Procyon A	07 39.3	+05 14	11.45	F5IV-V	0.37	2.64
26	Procyon B	07 39.3	+05 14	11.45	dF	10.70	13.00
27	G 51-15	08 29.9	+26 46	11.81	M7V	14.81	17.03
28	YZ Cet	01 12.4	-16 59	12.17	M5V	12.04	14.12
29	BD +5° 1668	07 27.4	+05 13	12.26	M4V	9.82	11.94
30	Kapteyn's Star	05 11.2	-45 01	12.52	M0V	8.84	10.88

### Notes.

Most of these stars are intrinsically faint Main Sequence stars which have been found by searching for stars with large proper motion (see below). This suggests that there may be many more such faint stars unrecognised in our Milky Way galaxy.

Proxima Cen is the third component of Alpha Cen. It is a flare star.

Alpha Cen is the third brightest star in the sky. The two components A and B are close together and can only be seen separately in a small telescope.

Barnard's star has the largest proper motion (movement across the sky relative to the other stars). It moves a distance of a degree (twice the Moon's apparent diameter) in 360 years. It is believed to have one or more giant planets.

Sirius is the brightest star in the sky. Sirius B is a white dwarf, as is Procyon B. They have about the same mass as the Sun but are only about one fiftieth of its diameter.

Epsilon Eri is believed to be a young star, slightly less massive than the Sun. It is an active star with a strong magnetic field and believed to be surrounded by dusty material of approximately solar system dimensions.

Lalande 21185 may have an unseen companion.

### Further information:

- See also; What is a Star? and The 25 Brightest Stars

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