

What is the nearest solar system to earth?

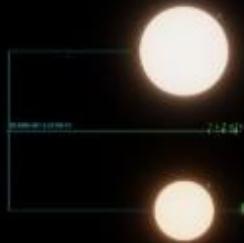
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The nearest **solar system** to Earth is the **Alpha Centauri system** (or Alpha Centauri triple star system). ☰

### ★ Alpha Centauri System Details

- **Distance:** The main components of the system are approximately **4.37 light-years** away from Earth. ☰
- **Composition:** The Alpha Centauri system is a **triple star system**, meaning it has three stars that are gravitationally bound:
  - **Alpha Centauri A (Rigil Kentaurus):** A Sun-like, G-type star. ☰ ☰
  - **Alpha Centauri B (Toliman):** A slightly cooler, K-type star. Alpha Centauri A and B orbit each other. ☰ ☰ ☰
  - **Proxima Centauri (Alpha Centauri C):** A small, faint **red dwarf** star. Proxima Centauri is currently the closest *individual star* to the Sun, located about **4.25 light-years** away. It orbits the other two stars at a significant distance. ☰ ☰ ☰ ☰

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- **Exoplanets:** Proxima Centauri has at least two confirmed exoplanets, including **Proxima b**, which orbits within the star's habitable zone. ↗

The entire Alpha Centauri complex of three stars is considered the nearest system to our own Solar System, with Proxima Centauri being the current closest stellar component. ↗

This video provides an overview of why Alpha Centauri is the closest star system to Earth:  
[Alpha Centauri is the closest star system to Earth.](#)

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