

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 (Rigel 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. 🔗 🔗 🔗 🔗



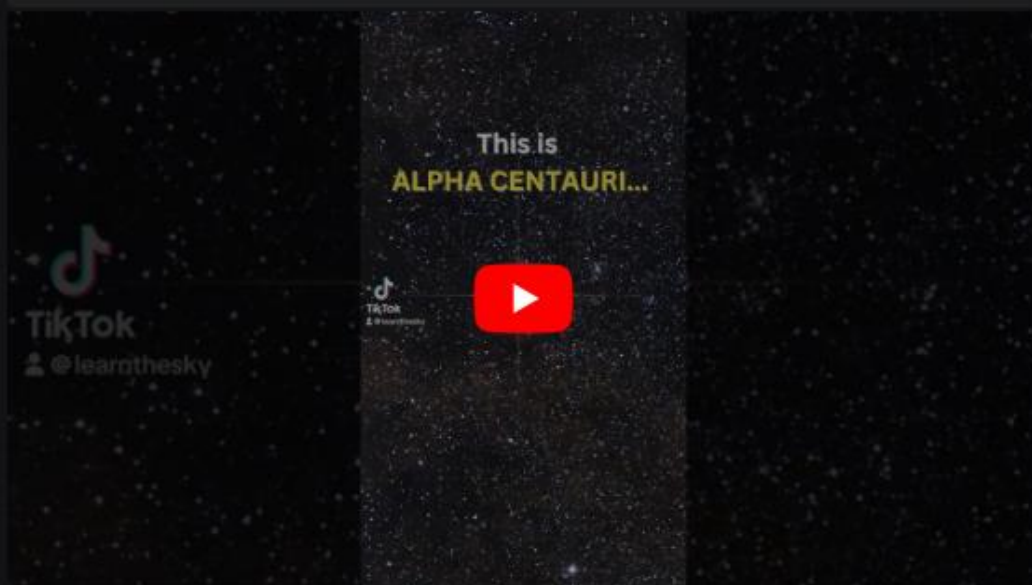
- **Exoplanets:** Proxima Centauri has at least two confirmed exoplanets, including **Proxima b**, which orbits within the star's habitable zone.

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.](#)

▶ Alpha Centauri is the closest star system to Earth. - YouTube

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Sources