

Asteroid 2024 YR4

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Asteroid 2024 YR4 Latest News

Recently, NASA has officially ruled out the possibility of asteroid 2024 YR4 asteroid 2024 YR4 colliding with the moon in 2032.

About Asteroid 2024 YR4

- It is classified as an **Apollo-type asteroid**, meaning its orbit crosses Earth's orbit but spends most of its time beyond it.
- **Origin:** The study reveals YR4 is a solid, stony type that likely originated from an asteroid family in the **central Main Belt between Mars and Jupiter**,
- It was **discovered in 2024**, by the **Asteroid Terrestrial-impact Last Alert System** (ATLAS) telescope in Chile.
 - The Y in the asteroid's name indicates that it was discovered in the last half of December.
 - The R4 indicates that it was the 117th asteroid found in that period.

Features of Asteroid 2024 YR4

- It is a **near Earth asteroid**.
- **Size:** It is somewhere between 174 to 220 feet (53 to 67 meters) in diameter.
- It has an orbital period of 4.011 years, or 1,468 days.
- The asteroid's rotation period is 19.46 minutes.
- **Type:** It is most likely **an S-type asteroid**, which means that it is probably made up primarily of silicates and nickel-iron.

Source: **TH**

Source: <https://vajiramandravi.com/current-affairs/asteroid-yr4/>

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