

What is the sky

Actually, the sky was orange until about 2.5 billion years ago, but if you jumped back in time to see it, you'd double over in a coughing fit. Way back then, the air was a toxic fog of vicious vapors: carbon monoxide, carbon dioxide, nitrogen, cyanide, and methane. This last gas gave the sky an orange tint and the land a strange glow.

Sky at a Glance, Sky & Telescope's weekly observing update, is published every Friday. Simple sky maps show upcoming celestial events, and S& T's Alan MacRobert shares observing tips for all levels of astronomers. Whenever your skies are clear, check out Sky at a Glance to find out what's happening in tonight's sky.

Look for Venus low in the west just after sunset. It's setting by the time the sky is fully dark. Saturn is visible toward the southeast as soon as it gets dark out, and sets by dawn. Mars rises around midnight all month. By dawn it has climbed quite high into the south-southeastern sky, appearing together with Jupiter.

4 days ago#0183; Learn how sunlight is scattered by the gases and particles in Earth's atmosphere, making the sky blue most of the time. Find out how the sky changes color at sunrise and ...

The sky between Perseus and Cassiopeia hosts the Double Cluster, a pair of bright open star clusters that together cover a finger's width of the sky. They make a spectacular sight in binoculars ...

2 days ago#0183; The ZHR value refers to the Zenithal Hourly Rate, i.e. the average number of meteors an individual observer could see in an hour, assuming perfectly dark sky conditions. This number is an estimate, the number an observer could see in real conditions depends on the actual intensity of the shower (which can be highly variable) and on the sky conditions.

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The sky looks blue because we see the scattered blue light. (If our eyes were better able to see violet light, then the sky would look violet in color.) But the sky isn't the same color blue every day. Sometimes you'll notice that it's a lighter blue, and other times it's a darker blue. That's because of aerosols in the atmosphere.

2 days ago#0183; November 5 evening: Moon, Venus and Mercury. In early evening twilight on November 5, you can see the brightest planet, Venus, near the waxing crescent moon. Also nearby is the elusive...

16 hours ago#0183; Project 2025, which proposes using the military to tackle protests and scrapping the US education and homeland security departments, was a major attack line for the ...

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The word sky comes from the Old Norse sky, meaning "cloud, abode of God ". The Norse term is also the source of the Old English *scƿo*, which shares the same Indo-European base as the classical Latin *obscurus*, meaning "obscure". In Old English, the term heaven was used to describe the observable expanse above the earth.

An astrophysicist explains that the sky is the different behaviours of a massive layer of gas above our heads, called the atmosphere. The sky can change depending on the time of day, the conditions in the atmosphere, and ...

You can share the current view of the sky, including all the added objects, camera direction and field of view. Click on the copy icon `content_copy` to automatically copy the link to the clipboard, or manually copy and paste the content of the text field: `content_copy`. We use cookies to deliver essential features and to measure their performance

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The sky is the appearance of the atmosphere around the surface of the planet from our point of view. We see many objects that are actually in space such as the Sun, the Moon, and stars because they are in the sky. On a clear day the sky appears green. At night it appears from very dark green to purple.

Powered by Heavens Above, our interactive viewer charts the night sky as seen by eye. The map includes the Moon, stars brighter than magnitude 5, the five bright planets (Mercury, Venus, Mars, Jupiter, and Saturn), and deep-sky objects that can be seen without the use of optical aid. [How Do I Use the Interactive Sky Chart to Explore the Night Sky?](#)

This is why the sky appears orange-red in the direction of the setting or rising Sun. Finally, it should be noted that if we observe the sky in the direction of the Sun in broad daylight (which is dangerous), the Sun appears white because we mainly receive a directly transmitted light that is much more intense than the scattered light.

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Nitrogen and oxygen make up most of the molecules in our atmosphere, but any gas or aerosol suspended in the air will scatter rays of sunlight into separate wavelengths of light. Consequently, when there are more aerosols in the atmosphere, more sunlight is scattered, resulting in more colorful skies.

The best time of year to see the northern lights is between September and April, when the sky gets dark enough to see the aurora. (Far northern locales experience the midnight sun, or 24 hours of ...

Longer wavelengths, like orange and red, are not scattered as much by the particles. So, the overall appearance of a clear sky is blue. [Why the Sky Near the Horizon Is White](#). Near the horizon, you may notice the blue of

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the sky fade into a paler color or becomes white. This is because the Earth's surface reflects back light.

4 days ago#0183; So, the night sky looks slightly different each night because Earth is in a different spot in its orbit. The stars appear each night to move slightly west of where they were the night before. Your location on Earth also determines what stars and constellations you see, and how high they appear to rise in the sky.

The wheel above shows the entire sky that is visible from Virginia Beach. Change the limiting magnitude to see more or fewer stars. To change the displayed time, use the time and date controls at the top. By clicking and dragging the wheel, you can turn it to place different green compass points at the bottom. ...

14 hours ago#0183; The exit polls conducted by Sky News" US partner NBC News show women made up 53% of voters in total. The majority of female voters, 53%, voted for Ms Harris, while 45% voted for Mr Trump.

In the field of astronomy, the sky is also called the celestial sphere. This is an abstract sphere, concentric to the Earth, on which the Sun, Moon, planets, and stars appear to be drifting. The celestial sphere is conventionally divided into designated areas called constellations.

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