



Real picture of solar system from space

Where can I find high-resolution images of the Solar System?

Explore NASA's media galleries to view and download high-resolution images of the solar system, agency missions, and more. Discover the cosmos! Each day a different image or photograph of our fascinating universe is featured, along with a brief explanation written by a professional astronomer.

Which planet has the best image ever taken of a dwarf planet?

Each and every planet--and one dwarf planet--in our solar system, represented with the single best image ever taken of it. Say hello to our neighbors. Can't get enough of this marble. NASA/NOAA/GSFC/Suomi NPP/VIIRS/Norman Kuring Mercury, as seen by MESSENGER. NASA/Johns Hopkins University Applied Physics Laboratory/Carnegie Institution of Washington

How many planets are in our Solar System?

Our solar system is made up of a star--the Sun--eight planets, more than 140 moons, a bunch of comets, asteroids and space rocks, ice, and several dwarf planets, such as Pluto.

When did Voyager 1 take a picture of Jupiter's Great Red Spot?

This image was taken when NASA's Voyager 1 spacecraft zoomed toward Jupiter in January and February 1979, capturing hundreds of images during its approach, including this close-up of swirling clouds around Jupiter's Great Red Spot. Color composite by Voyager 2 showing Jupiter's faint ring system. Images captured in July 1979.

It is the only known planet in the solar system to possess an atmosphere containing free oxygen, oceans of liquid water on its surface, and life. Its radius is about 3,958.8 miles (6,371.00 km ...

Webb is solving mysteries in our solar system, looking beyond to distant worlds around other stars, and probing the mysterious structures and origins of our universe and our place in it. Webb is an international program led by NASA with its partners, ESA (European Space Agency) and the Canadian Space Agency. Learn more about Webb at: webb.nasa.gov

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Comparison of TRAPPIST-1 to the Solar System Full Resolution: TIFF (6.209 MB) JPEG (634.2 kB)
2021-01-22: 3840x2160x3: PIA23870: Measuring the Masses and Diameters of the TRAPPIST-1 Planets Full Resolution: TIFF (9.793 MB) JPEG (417.9 kB)



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The Voyager 1 and 2 spacecraft explored Jupiter, Saturn, Uranus and Neptune before starting their journey toward interstellar space. Here you'll find some of those iconic images, including 'The Pale Blue Dot' - famously described by ...

And in the past decade, more than 20 spacecraft have ventured into the deepest reaches of our solar system. These probes, unlike the Hubble Space Telescope and other observatories that merely ...

Explore the many volcanoes in our solar system using the Space Volcano Explorer. ... Gallery of NASA Solar System Images. Glorious planets and moons to view or print. explore; Gallery of NASA Earth Images. View large images or print them. ... A real shooting star!

Visualize orbits, relative positions and movements of the Solar System objects in an interactive 3D Solar System viewer and simulator. We use cookies to deliver essential features and to measure their performance.

NASA's MESSENGER spacecraft has constructed the first portrait of our solar system by combining 34 images taken by the spacecraft's Wide Angle Camera on Nov. 3 and 16, 2010. The mosaic, pieced together over a period of a few weeks, comprises all of the planets except for Uranus and Neptune, which were too faint to detect.

Eyes on the Solar System. This simulated live view of the solar system allows you to explore the planets, their moons, asteroids, comets and the spacecraft interacting with them in 3D. You can also fast-forward or rewind time, and explore the solar system as it looked from 1950 to 2050, complete with past and future NASA missions.

The Solar System . The Sun; Mercury; Venus; Earth; The Moon; Mars; Jupiter; Saturn; Uranus; Neptune; Pluto & Dwarf Planets; Asteroids, Comets & Meteors; The Kuiper Belt ... Enjoy some of the iconic astronomical images ...

Hubble Space Telescope. Since its 1990 launch, the Hubble Space Telescope has changed our fundamental understanding of the universe. From breathtaking nebulae to sparkling star clusters, explore Hubble's iconic images. View Images about Hubble Space Telescope

The Solar System . The Sun; Mercury; Venus; Earth; The Moon; Mars; Jupiter; Saturn; Uranus; Neptune; ... Engineering images; James Webb Space Telescope - Outreach; James Webb Space Telescope; Earth Observer; ... The real monster black hole is revealed in this new image from NASA's Nuclear Spectroscopic Telescope Array of colliding galaxies...

From its orbit in space around Earth, SDO has gathered 425 million high-resolution images of the Sun, amassing 20 million gigabytes of data over the past 10 years. This information has enabled countless new discoveries about the workings of our closest star and how it influences the solar system.



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Located 30 times farther from the Sun than Earth, Neptune orbits in the remote, dark region of the outer solar system. At that extreme distance, the Sun is so small and faint that high noon on Neptune is similar to a dim twilight on Earth. ... This is readily apparent in Neptune's signature blue appearance in Hubble Space Telescope images at ...

This simulated view of our solar system runs on real data. The positions of the planets, moons and spacecraft are shown where they are right now. Credit: NASA/JPL-Caltech. Skip to main content ... National Aeronautics and Space Administration. NASA explores the unknown in air and space, innovates for the benefit of humanity, and inspires the ...

It's hard to make a true-color family portrait of the solar system. It turns out that most photos of planets aren't true colors! Here's my attempt, using the best NASA photos I could find. ... They're real NASA photos, but they're not necessarily what the human eye would see. ... NASA/JPL/Space Science Institute. Cassini at Saturn: 2004 ...

Saturn, the second-largest planet in our solar system and is the sixth planet from the Sun. Famous for its rings, Saturn was captured brilliantly by the Hubble Space Telescope in 2019. 9 Last but ...

The Solar System . The Sun; Mercury; Venus; Earth; The Moon; Mars; Jupiter; Saturn; Uranus; Neptune; Pluto & Dwarf Planets; Asteroids, Comets & Meteors; The Kuiper Belt ... Enjoy some of the iconic astronomical images captured by NASA's Hubble Space Telescope during its more than 30 years in orbit. Popular Tags. James Webb Space ...

James Webb Space Telescope - Outreach Designated Northwest Africa (NWA) 7034, and nicknamed "Black Beauty," the Martian meteorite weighs approximately 11 ounces (320 grams). Return to top

The James Webb Space Telescope is the world's premier space science observatory. Webb will solve mysteries in our solar system, look beyond to distant worlds around other stars, and probe the mysterious structures and origins of our universe and our place in it. NASA Headquarters oversees the mission for the agency's Science Mission Directorate.

Traditionally, the solar system has been divided into planets (the big bodies orbiting the Sun), their satellites (a.k.a. moons, variously sized objects orbiting the planets), asteroids (small dense objects orbiting the Sun) and comets (small icy objects with highly eccentric orbits).

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This image captured by NASA's Solar Dynamics Observatory on June 20, 2013 shows the bright light of a solar flare on the left side of the Sun. Credit: NASA/SDO. Check out some pictures of our Sun in the NASA Solar System Exploration Sun gallery.

In this image, JWST captures its first-ever image of an exoplanet, or a planet outside our solar system. The planet, named HIP 65426 b, is a gas giant up to 8 times more massive than Jupiter and ...

(Image credit: NASA/JPL-Caltech/ASU/MSSS) Friday, November 1, 2024: NASA's Perseverance Mars rover was treated to a "googly eye" solar eclipse as the planet's moon Phobos passed in front of the ...

Latest Images - 2024 Webb's most recent images released by NASA in 2024, displayed in reverse chronological order. The image below is a SLIDESHOW. Hover over the image to see the image title and controls. Click the image to go to a detail page with more info and the ability to download the image at [...]

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The solar system has one star, eight planets, five dwarf planets, at least 290 moons, more than 1.3 million asteroids, and about 3,900 comets. ... Eyes on the Solar System: A real-time visualization of our solar system using planetary science data. ... Humans in Space; Earth & Climate; The Solar System; The Universe; Science; Aeronautics ...

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