

# Cultural Daily

Independent Voices, New Perspectives

## Magnify the Universe


Adam · Wednesday, March 13th, 2013

Copyright 2012. [Magnifying the Universe](#) by Number Sleuth.

Slide your mouse across the image.

Courtesy of our friends at from [Number Sleuth](#), this interactive infographic accurately illustrates the scale of over 100 items within the observable universe ranging from galaxies to insects, nebulae and stars to molecules and atoms. Numerous hot points along the zoom slider allow for direct access to planets, animals, the hydrogen atom and more. As you scroll, a handy dial spins to show you your present magnification level.

While other sites have tried to magnify the universe, no one else has done so with real photographs and 3D renderings. To fully capture the awe of the vastly different sizes of the Pillars of Creation, Andromeda, the sun, elephants and HIV, you really need to see images, not just illustrations of these items. Stunningly enough, the Cat's Eye Nebula is surprising similar to coated vesicles, showing that even though the nebula is more than 40,000,000,000,000,000,000,000 times larger, many things are similar in our universe.

 We hope you have a blast magnifying the universe, know that each time you zoom in a depth, you're magnifying the universe 10x ... and every time you zoom out, the bigger objects are 1/10th of their prior size. If you zoom from the biggest object, The Observable Universe ( $8.8 \times 10^{26}$  ... or 880,000,000,000,000,000,000,000m across), all the way down to the hydrogen atom's proton nucleus ( $1.7 \times 10^{-15}$  ... or 0.0000000000000017m across), you will have zoomed in over 100,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000x! Unbelievable isn't it? Our universe really is immensely massive and surprisingly small.

## How To Use:

### Step 1:

To experience this interactive infographic in full screen (our recommendation) click the "Full Screen" button in the top right corner of the infographic.

### Step 2:

Choose one of nine starting points by moving your mouse over and clicking one of the 9 images (atoms, animals, buildings, mountains, planets, stars, nebulae, galaxies and the observable universe).

### Step 3:

Now on the bottom of the infographic, there is a blue dot that you can click on with your mouse. Drag the blue circle left to go "up" in size and drag the blue circle right to go "down" in size

### Step 4:

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To relocate to one of the nine entry points, click the corresponding yellow dot on the scroller at the bottom of the page

## Credits:

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Produced for [Number Sleuth](#) by [Science is Beautiful](#) in coordination with [Mandrill Design](#) and [Killer Infographics](#).

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