CSS ALMANAC → SELECTORS → V →



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The:visited pseudo-class selector can change *some* of the styling on an anchor link (<a>) element if the user's browser has already visited the link. It's meant to help users distinguish the difference between links they have and haven't visited.

```
a:visited {
  color: gray;
}
```

ಿ (#aa-limitations-and-usage) Limitations and usage

There is some privacy concern about :visited, namely that a malicious website could have links to tons of websites with :visited styling, then test the visual style of the links with JavaScript to report back to a server which sites the user has visited. This violates the user's privacy and could potentially reveal personally-identifying information.

As a result, most browsers restrict what styling can be changed on :visited links, and what styling information can be reported with the getComputedStyle method.

This is a good run-down of that situation. (https://developer.mozilla.org/en-US/docs/Web/CSS/Privacy_and_the_:visited_selector)

These are the properties that can be changed with :visited:

- color (https://css-tricks.com/almanac/properties/c/color/)
- background-color (https://css-tricks.com/almanac/properties/b/background-color/)

- border-color (https://css-tricks.com/almanac/properties/b/border/) (and its subproperties)
- outline-color (https://css-tricks.com/almanac/properties/o/outline/)
- The color parts of the fill and stroke properties

You can only use :visited to change those properties if the link already has them in the "unvisited" or :link state. You can't use it to add properties that aren't already present on the link. For example:

You *can* change the background-color of a :visited link if the link element already had a background color.

You *can't* add a background-color to a :visited link if it did not have a background color when it was an "unvisited" link.

್ರ (#aa-link-pseudo-classes-in-order) Link pseudo-classes in order

It's also useful to know that most of the link pseudo-classes should be declared in a specific order (https://css-tricks.com/snippets/css/link-pseudo-classes-in-order/). The order is:

- 1. Link
- 2. Visited
- 3. Hover
- 4. Active

If you're including :focus (https://css-tricks.com/almanac/selectors/f/focus/) styling for your link, it's common to add it between "hover" and "active".

ه (#aa-extending-visited) Extending: visited

Though direct styling for :visited links is limited, there are lots of clever ways to extend your options for styling visited links. In 2015 there was a bumper crop of blog posts sharing new ideas for styling :visited links:

Revisiting :visited (http://joelcalifa.com/blog/revisiting-visited/), from Joel Califa, shows an example of using localstorage to style visited, in-domain links.

Hacking:visited (http://una.im/hacking-visited/), from Una Kravets, turns:visited on its head by adding an "unvisited" tag as :after (https://css-tricks.com/almanac/selectors/a/after-and-before/) content to links, which is then hidden with a background color swap after the link is visited.

Pushing the limits of :visited with CSS blend modes

 $(http://stelian.firez.be/post/pushing-the-limits-of-visited-with-css-blend-modes/)\,,\\$

from Stelian Firez, combines a little HTML trick attributed to DuckDuckGo (http://www.quora.com/How-does-DuckDuckGos-new-visited-feature-work) and background-blend-mode: screen; (https://css-

tricks.com/almanac/properties/b/background-blend-mode/) to fade a custom icon next to a visited link.

Styling Visited Links with SVG (https://thenewcode.com/1046/Styling-Visited-Links-with-SVG), from Dudley Storey. Uses SVG images with fill set to match the page's background color when the link is in the :link state, then to another color after the link is :visited. The tutorial also includes an alternate method using Unicode characters instead of SVG.