The difference between **a[class~="logo"]** and **a[href\*="example"]** lies in the attribute matching criteria they use.

1. **a[class~="logo"]**: This attribute selector selects **<a>** elements that have a class attribute containing the exact word "logo" as one of the space-separated values.

For example:

a[class~="logo"] { color: red; }

This will select **<a>** elements with a class attribute like **class="menu logo"** or **class="logo link"**, but not **class="logos"** or **class="logomain"**. It applies the red color to the selected elements.

1. **a[href\*="example"]**: This attribute selector selects **<a>** elements that have an href attribute containing the substring "example" anywhere within the attribute value.

For example:

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a[href\*="example"] { text-decoration: underline; }

This will select **<a>** elements with an href attribute like **href="https://www.example.com"** or **href="http://www.example.org/page.html"**, as long as the attribute contains the substring "example". It underlines the text of the selected elements.

In summary:

* **a[class~="logo"]** selects elements based on the exact match of a class attribute value with the word "logo".
* **a[href\*="example"]** selects elements based on the presence of the substring "example" within an href attribute value.

The **[attribute |= value]** attribute selector is known as the "hyphen-separated value" selector. It selects elements with an attribute value that matches a specified value or starts with that value followed by a hyphen.

Here's an example to illustrate the usage of **[attribute |= value]**:

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<a href="en-us">English (United States)</a> <a href="en-gb">English (United Kingdom)</a> <a href="fr">French</a> <a href="es">Spanish</a>

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a[href |= "en"] { color: blue; }

In this example, the attribute selector **a[href |= "en"]** selects **<a>** elements whose href attribute matches the value "en" or starts with "en-" followed by any other characters. It applies the color blue to the selected elements.

As a result, the first two links will have the blue color applied to them because their href attributes match the value "en" or start with "en-". The last two links will not be affected because their href attributes do not match the specified pattern.

The hyphen-separated value selector is useful when you want to target elements with attributes that have a specific value or a value with a hyphen-separated prefix.

* **:focus** selects an element that currently has focus, often used to style form elements during user input.
* **:active** selects an element that is currently being activated or clicked by the user, useful for providing visual feedback during click interactions.
* **:visited** selects an anchor element that has been visited, allowing you to differentiate visited links from unvisited ones.