

```
// first, find all the div.code blocks
document.querySelectorAll('div.code').forEach(el => {
  // then highlight each
  hljs.highlightElement(el);
});
```

Without using a tag that preserves linebreaks (like `pre`) you'll need some additional CSS to help preserve them. You could also [pre and post-process line breaks with a plug-in](#), but *we recommend using CSS*.

To preserve linebreaks inside a `div` using CSS:

```
div.code {
  white-space: pre;
}
```

Using with Vue.js

See [highlightjs/vue-plugin](#) for a simple Vue plugin that works great with Highlight.js.

An example of `vue-plugin` in action:

```
<div id="app">
  <!-- bind to a data property named `code` -->
  <highlightjs autodetect :code="code" />
  <!-- or literal code works as well -->
  <highlightjs language='javascript' code="var x = 5;" />
</div>
```

Using Web Workers

You can run highlighting inside a web worker to avoid freezing the browser window while dealing with very big chunks of code.

In your main script:

```
addEventListener('load', () => {
  const code = document.querySelector('#code');
  const worker = new Worker('worker.js');
  worker.onmessage = (event) => { code.innerHTML = event.data; }
  worker.postMessage(code.textContent);
});
```

In worker.js:

```
onmessage = (event) => {
  importScripts('<path>/highlight.min.js');
  const result = self.hljs.highlightAuto(event.data);
  postMessage(result.value);
};
```

Importing the Library

First, you'll likely be installing the library via `npm` or `yarn` -- see [Getting the Library](#).

Node.js / `require`

Requiring the top-level library will load all languages:

```
// require the highlight.js library, including all languages
const hljs = require('./highlight.js');
const highlightedCode = hljs.highlightAuto('<span>Hello World!</span>').value
```

For a smaller footprint, load our common subset of languages (the same set used for our default web build).

```
const hljs = require('highlight.js/lib/common');
```

For the smallest footprint, load only the languages you need:

```
const hljs = require('highlight.js/lib/core');
hljs.registerLanguage('xml', require('highlight.js/lib/languages/xml'));

const highlightedCode = hljs.highlight('<span>Hello World!</span>', {language: 'xml'}).value
```

ES6 Modules / `import`

Note: You can also import directly from fully static URLs, such as our very own pre-built ES6 Module CDN resources. See [Fetch via CDN](#) for specific examples.

The default import will register all languages:

```
import hljs from 'highlight.js';
```

It is more efficient to import only the library and register the languages you need:

```
import hljs from 'highlight.js/lib/core';
import javascript from 'highlight.js/lib/languages/javascript';
hljs.registerLanguage('javascript', javascript);
```

If your build tool processes CSS imports, you can also import the theme directly as a module:

```
import hljs from 'highlight.js';
import 'highlight.js/styles/github.css';
```

Getting the Library

You can get highlight.js as a hosted, or custom-build, browser script or as a server module. Right out of the box the browser script supports both AMD and CommonJS, so if you wish you can use RequireJS or Browserify without having to build from source. The server module also works perfectly fine with Browserify, but there is the option to use a build specific to browsers rather than something meant for a server.

Do not link to GitHub directly. The library is not supposed to work straight from the source, it requires building. If none of the pre-packaged options work for you refer to the [building documentation](#).

On Almond. You need to use the optimizer to give the module a name. For example:

```
r.js -o name=hljs paths.hljs=/path/to/highlight out=highlight.js
```

Fetch via CDN

A prebuilt version of Highlight.js bundled with many common languages is hosted by several popular CDNs. When using Highlight.js via CDN you can use Subresource Integrity for additional security. For details see [DIGESTS.md](#).

cdnjs ([link](#))

Common JS

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/11.7.0/styles/default.min.css">
<script src="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/11.7.0/highlight.min.js"></script>
<!-- and it's easy to individually load additional languages -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/11.7.0/languages/go.min.js"></script>
```

ES6 Modules

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/11.7.0/styles/default.min.css">
<script type="module">
  import hljs from 'https://cdnjs.cloudflare.com/ajax/libs/highlight.js/11.7.0/es/highlight.min.js';
  // and it's easy to individually load additional languages
  import go from 'https://cdnjs.cloudflare.com/ajax/libs/highlight.js/11.7.0/es/languages/go.min.js';
  hljs.registerLanguage('go', go);
</script>
```

jsdelivr ([link](#))

Common JS

```
<link rel="stylesheet" href="https://cdn.jsdelivr.net/gh/highlightjs/cdn-release@11.7.0/build/styles/default.min.css">
<script src="https://cdn.jsdelivr.net/gh/highlightjs/cdn-release@11.7.0/build/highlight.min.js"></script>
<!-- and it's easy to individually load additional languages -->
<script src="https://cdn.jsdelivr.net/gh/highlightjs/cdn-release@11.7.0/build/languages/go.min.js"></script>
```

ES6 Modules

```
<link rel="stylesheet" href="https://cdn.jsdelivr.net/gh/highlightjs/cdn-release@11.7.0/build/styles/default.min.css">
<script type="module">
  import hljs from 'https://cdn.jsdelivr.net/gh/highlightjs/cdn-release@11.7.0/build/es/highlight.min.js';
  // and it's easy to individually load additional languages
  import go from 'https://cdn.jsdelivr.net/gh/highlightjs/cdn-release@11.7.0/build/es/languages/go.min.js';
  hljs.registerLanguage('go', go);
</script>
```

unpkg ([link](#))

Common JS

```
<link rel="stylesheet" href="https://unpkg.com/@highlightjs/cdn-assets@11.7.0/styles/default.min.css">
<script src="https://unpkg.com/@highlightjs/cdn-assets@11.7.0/highlight.min.js"></script>
<!-- and it's easy to individually load additional languages -->
<script src="https://unpkg.com/@highlightjs/cdn-assets@11.7.0/languages/go.min.js"></script>
```

ES6 Modules

```
<link rel="stylesheet" href="https://unpkg.com/@highlightjs/cdn-assets@11.7.0/styles/default.min.css">
<script type="module">
  import hljs from 'https://unpkg.com/@highlightjs/cdn-assets@11.7.0/es/highlight.min.js';
  // and it's easy to individually load & register additional languages
  import go from 'https://unpkg.com/@highlightjs/cdn-assets@11.7.0/es/languages/go.min.js';
  hljs.registerLanguage('go', go);
</script>
```

Note: *The CDN-hosted `highlight.min.js` package doesn't bundle every language.* It would be very large. You can find our list of "common" languages that we bundle by default on our [download page](#).

Download prebuilt CDN assets

You can also download and self-host the same assets we serve up via our own CDNs. We publish those builds to the [cdn-release](#) GitHub repository. You can easily pull individual files off the CDN endpoints with `curl`, etc; if say you only needed `highlight.min.js` and a single CSS file.

There is also an npm package [@highlightjs/cdn-assets](#) if pulling the assets in via `npm` or `yarn` would be easier for your build process.

Download from our website

The [download page](#) can quickly generate a custom single-file minified bundle including only the languages you desire.

Note: [Building from source](#) can produce slightly smaller builds than the website download.

Install via NPM package

Our NPM package including all supported languages can be installed with NPM or Yarn:

```
npm install highlight.js
# or
yarn add highlight.js
```

Alternatively, you can build the NPM package from source.

Build from Source

The [current source code](#) is always available on GitHub.

```
node tools/build.js -t node
node tools/build.js -t browser :common
node tools/build.js -t cdn :common
```

See our [building documentation](#) for more information.

Requirements

Highlight.js works on all modern browsers and currently supported Node.js versions. You'll need the following software to contribute to the core library:

- Node.js $\geq 12.x$
- npm $\geq 6.x$

License

Highlight.js is released under the BSD License. See our [LICENSE](#) file for details.

Links

The official website for the library is <https://highlightjs.org/>.

Further in-depth documentation for the API and other topics is at <http://highlightjs.readthedocs.io/>.

A list of the Core Team and contributors can be found in the [CONTRIBUTORS.md](#) file.