

## gatsby-transformer-sharp

Creates `ImageSharp` nodes from image types that are supported by the Sharp image processing library and provides fields in their GraphQL types for processing your images in a variety of ways including resizing, cropping, and creating responsive images.

[Live demo \(source\)](#)

### Install

```
npm install gatsby-transformer-sharp gatsby-plugin-sharp
```

### How to use

```
// In your gatsby-config.js
module.exports = {
  plugins: [`gatsby-plugin-sharp`, `gatsby-transformer-sharp`],
}
```

Please note that you must have a source plugin (which brings in images) installed in your project. Otherwise, no `ImageSharp` nodes can be created for your files. Examples would be `gatsby-source-file-system` or source plugins for (headless) CMSs like `gatsby-source-wordpress`.

**Note:** An exception to this is when using `gatsby-source-contentful`, as the source plugin and the assets are not downloaded to the local filesystem. By default, the `gatsby-source-contentful` plugin creates a `ContentfulAsset` node for every image with links to Contentful's CDN, therefore it is not necessary to use `gatsby-transformer-sharp` together with `gatsby-source-contentful`.

### Parsing algorithm

It recognizes files with the following extensions as images.

- jpeg
- jpg
- png
- webp
- tif
- tiff

Each image file is parsed into a node of type `ImageSharp`.

### Configuration options

`checkSupportedExtensions` [boolean][optional]

Sharp only supports certain image formats (see the Parsing algorithm section above) and hence throws a warning when you e.g. use a .gif in an `ImageSharp` query. You'll need to use `publicURL` instead. With this option you can disable the warning behavior.

```
// In your gatsby-config.js
module.exports = {
  plugins: [
    `gatsby-plugin-sharp`,
    {
      resolve: `gatsby-transformer-sharp`,
      options: {
        // The option defaults to true
        checkSupportedExtensions: false,
      },
    },
  ],
}
```

## Troubleshooting

**Incompatible library version: sharp.node requires version X or later, but Z provides version Y**

This means that there are multiple incompatible versions of the `sharp` package installed in `node_modules`. The complete error typically looks like this:

Something went wrong installing the "sharp" module

```
dlopen(/Users/misiek/dev/gatsby-starter-blog/node_modules/sharp/build/Release/sharp.node, 1)
  Referenced from: /Users/misiek/dev/gatsby-starter-blog/node_modules/sharp/build/Release/sh
  Reason: Incompatible library version: sharp.node requires version 6001.0.0 or later, but 1
```

To fix this, you'll need to update all Gatsby plugins in the current project that depend on the `sharp` package. Here's a list of official plugins that you might need to update in case your projects uses them:

- `gatsby-plugin-sharp`
- `gatsby-plugin-manifest`
- `gatsby-remark-images-contentful`
- `gatsby-source-contentful`
- `gatsby-transformer-sharp`
- `gatsby-transformer-sqip`

To update these packages, run:

```
npm install gatsby-plugin-sharp gatsby-plugin-manifest gatsby-remark-images-contentful gatsl
```

If updating these doesn't fix the issue, your project probably uses other plugins from the community that depend on a different version of `sharp`. Try running

`npm list sharp` or `yarn why sharp` to see all packages in the current project that use **sharp** and try updating them as well.