

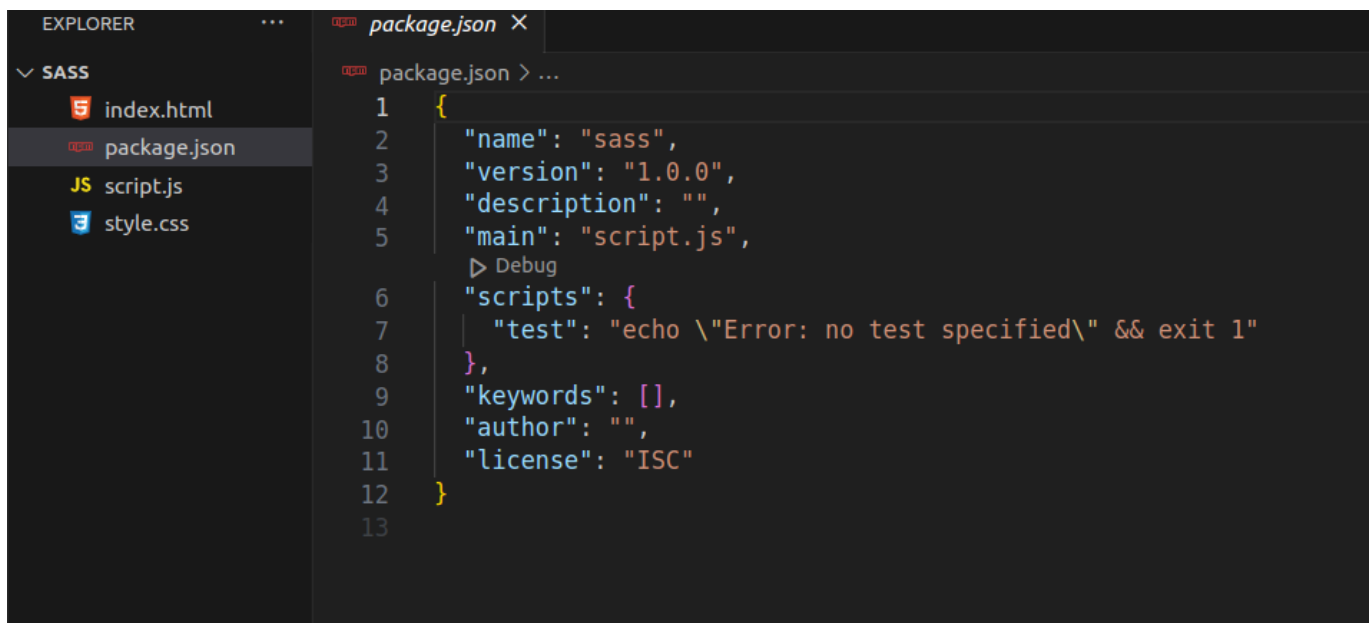
# SASS

---

```
npm i -g sass
# sass global installieren

npm init -y
# node_modules initialisieren
```

sollte ergeben:

A screenshot of a code editor interface. On the left, the 'EXPLORER' sidebar shows a project named 'SASS' with files 'index.html', 'package.json', 'script.js', and 'style.css'. The 'package.json' file is selected and open in the main editor. The editor shows the following JSON content:

```
1 {
2   "name": "sass",
3   "version": "1.0.0",
4   "description": "",
5   "main": "script.js",
6   "scripts": {
7     "test": "echo \"Error: no test specified\" && exit 1"
8   },
9   "keywords": [],
10  "author": "",
11  "license": "ISC"
12 }
```

package.json / scripts:

```
"scripts": {
  "test": "echo \"Error: no test specified\" && exit 1"
},
# customize: automatisiert scripte ablaufen lassen.
```

installieren (im Projekt):

```
npm i sass
# dann sieht man node_modules im project folder
```

npm root -g:

zeigt, wo die global modules installiert sind.

```

rami@rami-zezo1986-hotmail-com:~$ cd .npm
.ram/      .npm-global/
• rami@rami-zezo1986-hotmail-com:~$ cd .npm-global/
• rami@rami-zezo1986-hotmail-com:~/.npm-global$ cd lib/
• rami@rami-zezo1986-hotmail-com:~/.npm-global/lib$ cd node_modules/
• rami@rami-zezo1986-hotmail-com:~/.npm-global/lib/node_modules$ ls
command-line-snake  express-generator  npm  sass
○ rami@rami-zezo1986-hotmail-com:~/.npm-global/lib/node_modules$

```

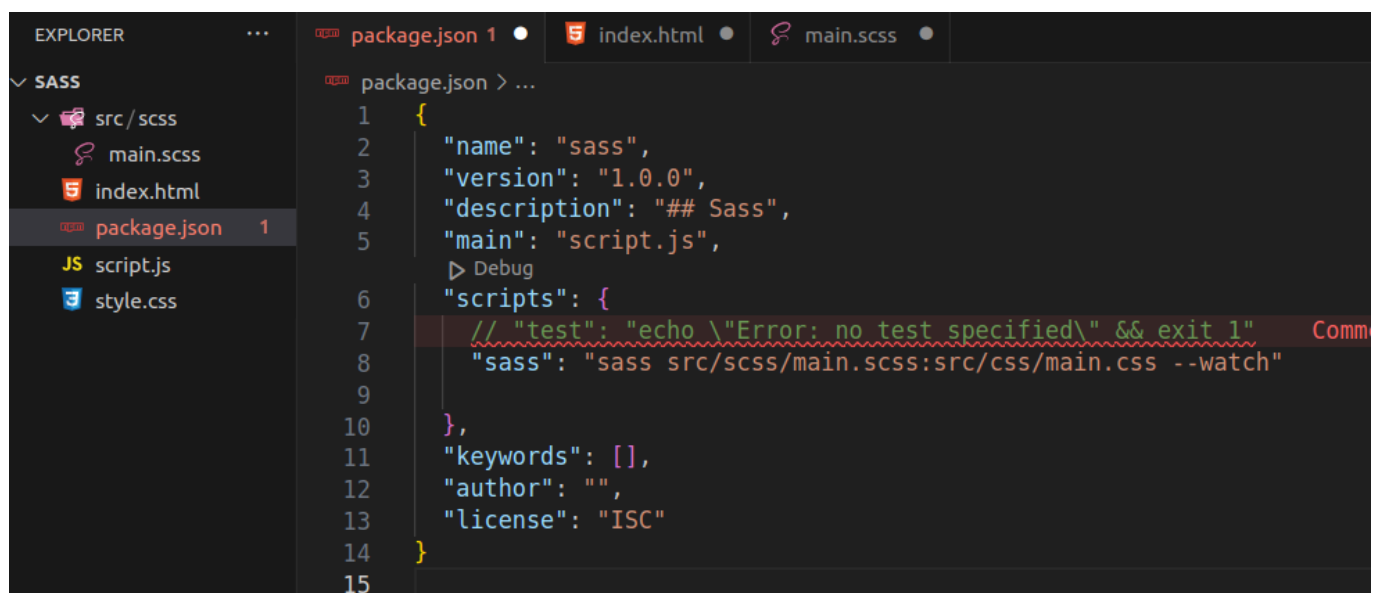
## SCSS - nötige Ordner + Dateien:

```

mkdir src && mkdir src/scss && cd src/scss
touch main.scss

```

Skript anpassen (package.json) = Pfad von scss to css definieren:



```

package.json 1 • index.html • main.scss •
package.json > ...
1  {
2    "name": "sass",
3    "version": "1.0.0",
4    "description": "## Sass",
5    "main": "script.js",
6    "scripts": {
7      // "test": "echo \"Error: no test specified\" && exit 1"
8      "sass": "sass src/scss/main.scss:src/css/main.css --watch"
9    },
10   "keywords": [],
11   "author": "",
12   "license": "ISC"
13 }
14
15

```

```

"scripts": {
  // "test": "echo \"Error: no test specified\" && exit 1"
  "sass": "sass src/scss/main.scss:src/css/main.css --watch"
},

```

index.html anpassen:

```

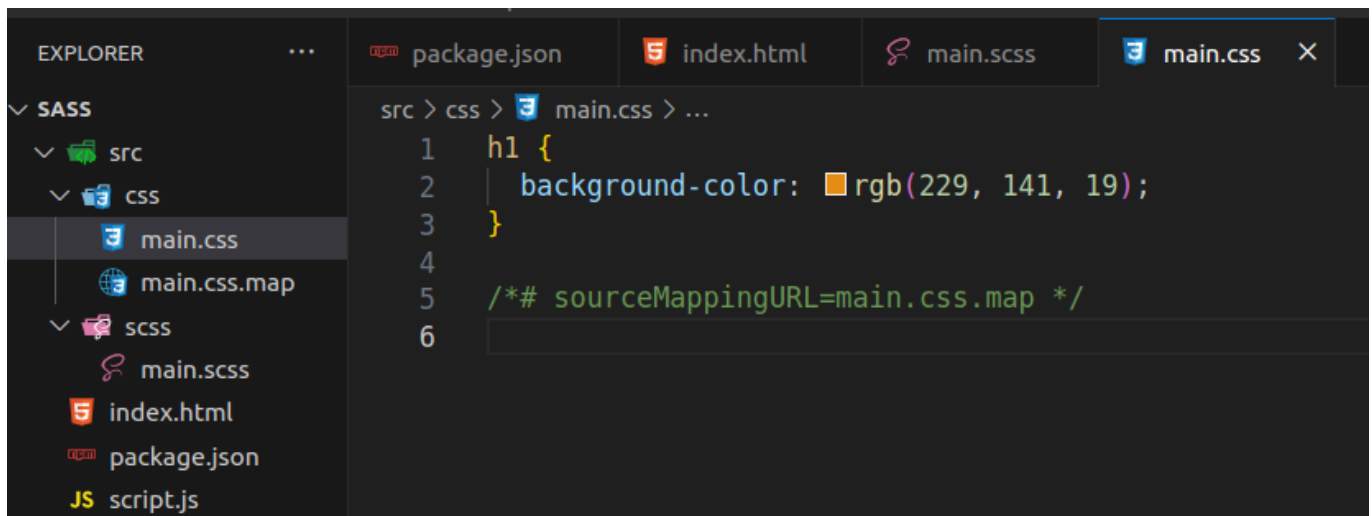
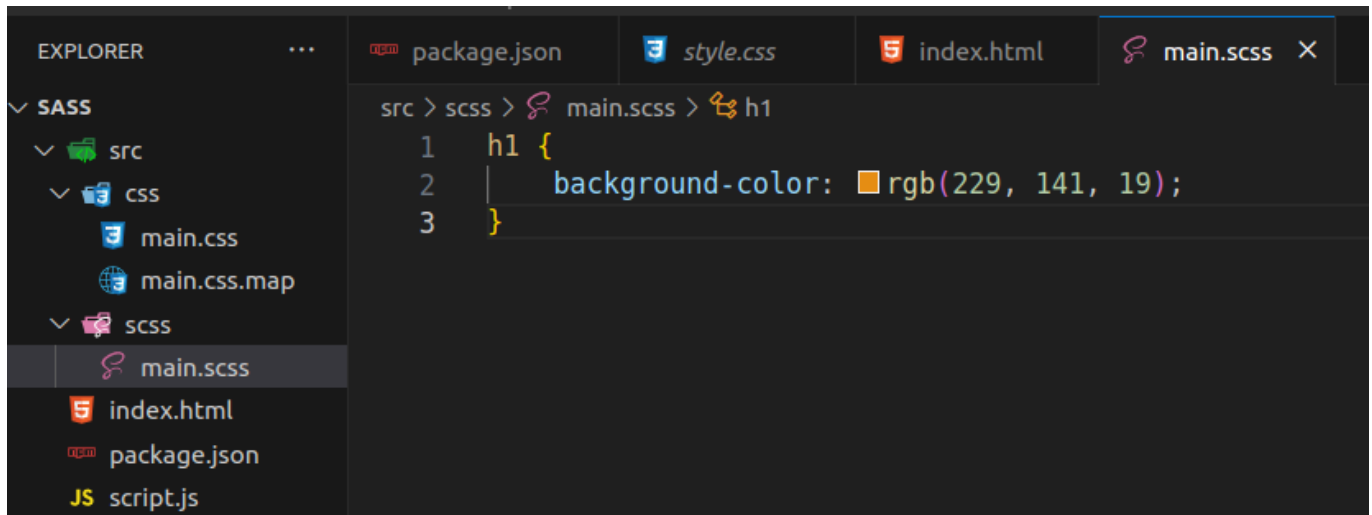
<link rel="stylesheet" href="./src/css/main.css" />

```

Terminal: sass starten mit..

```
npm run sass  
# sass beenden mit ^C (= CTRL + C)
```

..dann werden die in main.css vorgenommenen Änderungen übertragen in style.css:



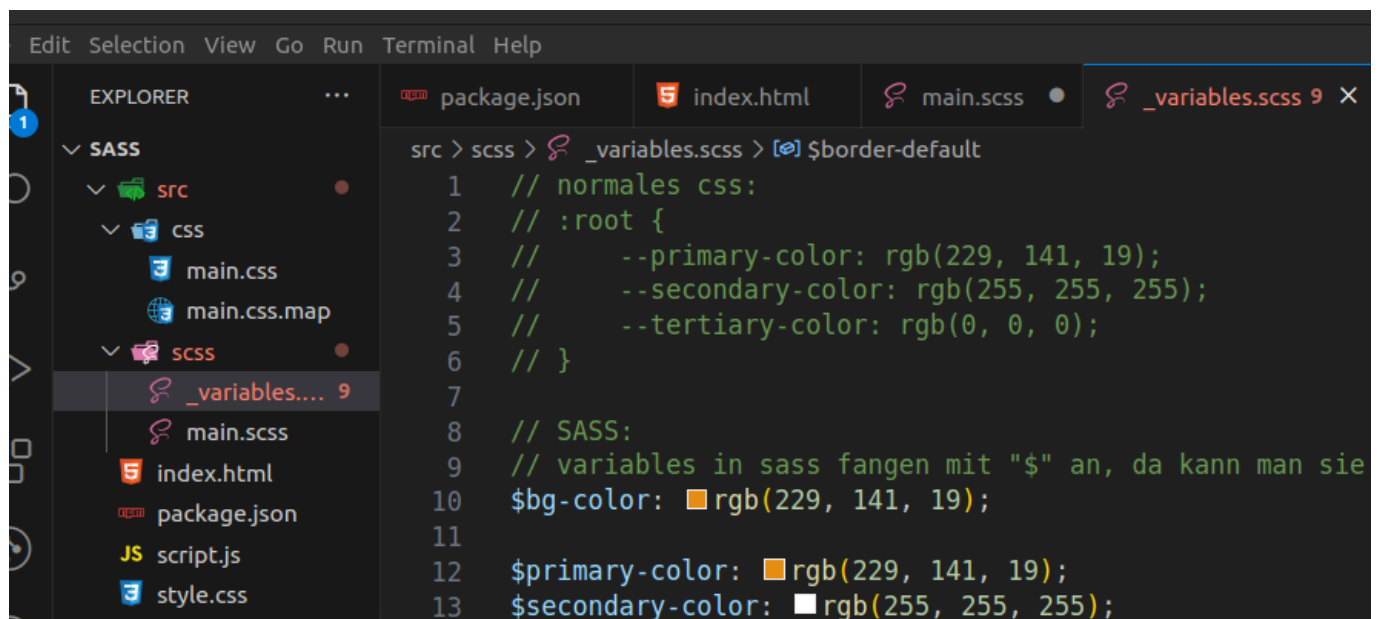
## Variablen in Sass

Beispiel:

```
/* normales css:*/  
:root {  
  --primary-color: rgb(229, 141, 19);  
  --secondary-color: rgb(255, 255, 255);  
  --tertiary-color: rgb(0, 0, 0);  
}  
  
/* SASS:  
variables in sass fangen mit "$" an, da kann man sie definieren */  
$bg-color: rgb(229, 141, 19);
```

```
$primary-color: rgb(229, 141, 19);
$secondary-color: rgb(255, 255, 255);
$tertiary-color: rgb(0, 0, 0);

/* Definieren in _variables.scss
dann
_variables.scss importieren in main.scss: */
@import "variables";
```



## Variable Scope:

```
index.html M  main.scss U
JI > 28.08.23-Sass > src > scss > main.scss > .container

23
24     li{
25         border: $border-default;
26     }
27     .main-section {
28         margin: $size * 2;
29     }
30     // variable scope
31
32     .container {
33 +         $bg-color: #784f22;
34         background-color:
35             $bg-color;
36     }
37     p{
38         color: $bg-color;
39     }
```

```
+ .container {
+     $bg-color: #784f22;
+     background-color:
+     $bg-color;
+ }
```

- nur für den .container

```
_variable.scss U X
JI > 28.08.23-Sass > src > scss > _variable.scss > $s

1     $bg-color: #508428;
2     $primary-color: #476da7;
3     $myFontSize: 1.5rem;
4     $border-default: 1px solid
5 +     $primary-color;
6     $size: 1rem;
```

- globale Variable