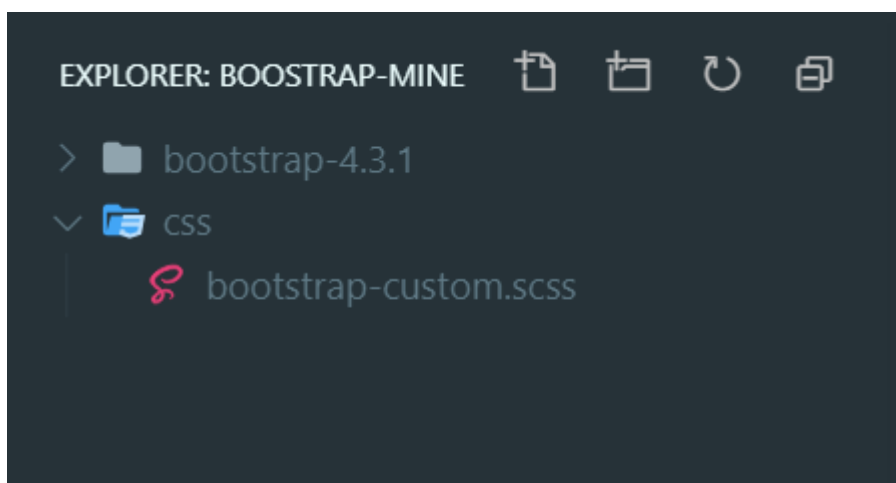


# CUSTOMIZE BOOTSTRAP WITH SASS AND KOALA VARIABLES

1. Create a **"bootstrap-mine"** folder
2. Create a "css" folder inside the folder **"bootstrap-mine"**
3. Download the "source files" in the folder **"bootstrap-mine"**  
Link: <https://github.com/twbs/bootstrap/archive/v4.3.1.zip>
4. Unzip the .zip file and then delete the archive  
Note: all BS files must now be in a folder "Bootstrap-4.3.1".  
Please check, the rest of the operations are related to this folder !
5. Open VS Code and import/add the folder **"bootstrap-mine"**
6. Create a new file **"bootstrap-custom.scss"** in the **"css/"** folder  
Note the extension of this file: ".scss"  
Current structure :



7. Find the file called **"\_variables.scss"** and open it  
The file is located in: [bootstrap-4.3.1/scss/\\_variables.scss](#)

## 8. Copy the **target variables** to your "bootstrap-custom.scss" file

Note: you have an example of variables to copy in the support file:

"HTML-CSS/11.bootstrap/\_customize\_scss /css/custom-bootstrap.scss"

You can use this .scss file as a starting point

## 9. DELETE the **!default** text everywhere ! Use Search and Replace

This text should not appear in your .scss file

Exemple avec les variables couleurs après édition :

\$blue: #007bff !default;      *became*      \$blue: #007bff;  
\$indigo: #6610f2 !default;      *became*      \$red: #dc3545;  
etc.

## 10. Change the default values with your own values

In this example **\$blue: #007bff;**

\$blue      => is the variable name

#007bff      => the value to change

## 11. Link the Bootstrap files

At the end of your .scss file paste this line :

**@import "../bootstrap-4.3.1/scss/bootstrap"**

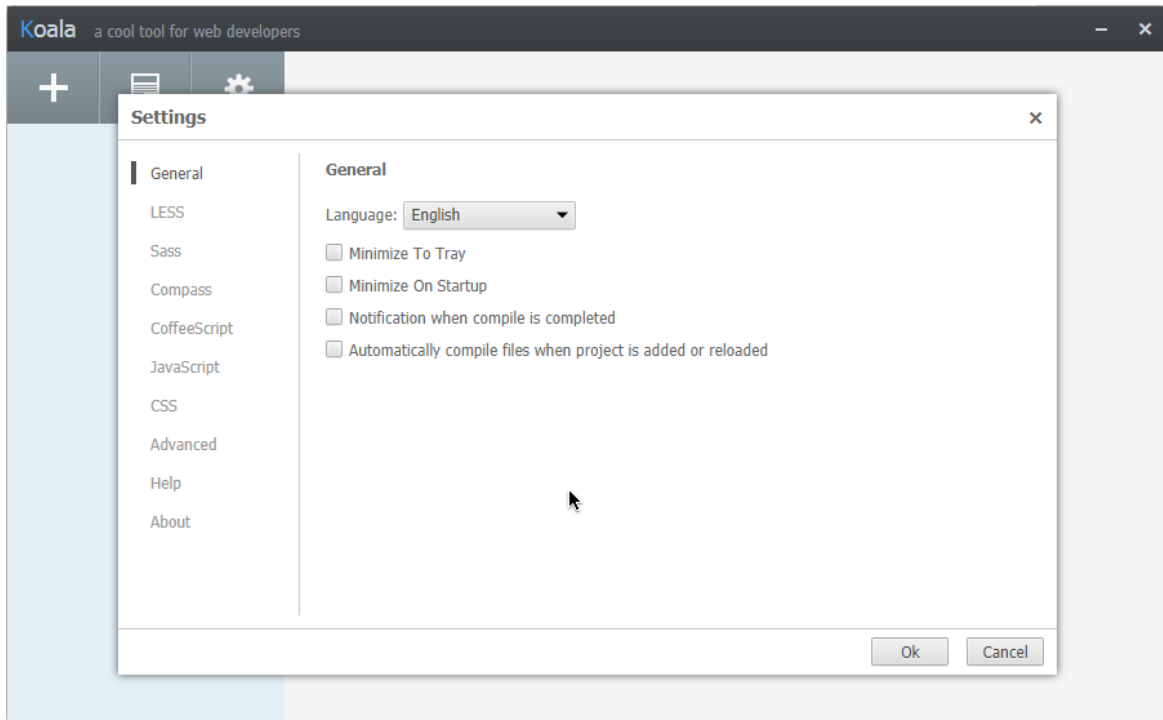
An essential step before compilation. This line will bind all BS files and allow the recognition of variables.

Note: The red link above represents the path from your .scss file and the base BS file (bootstrap.scss).

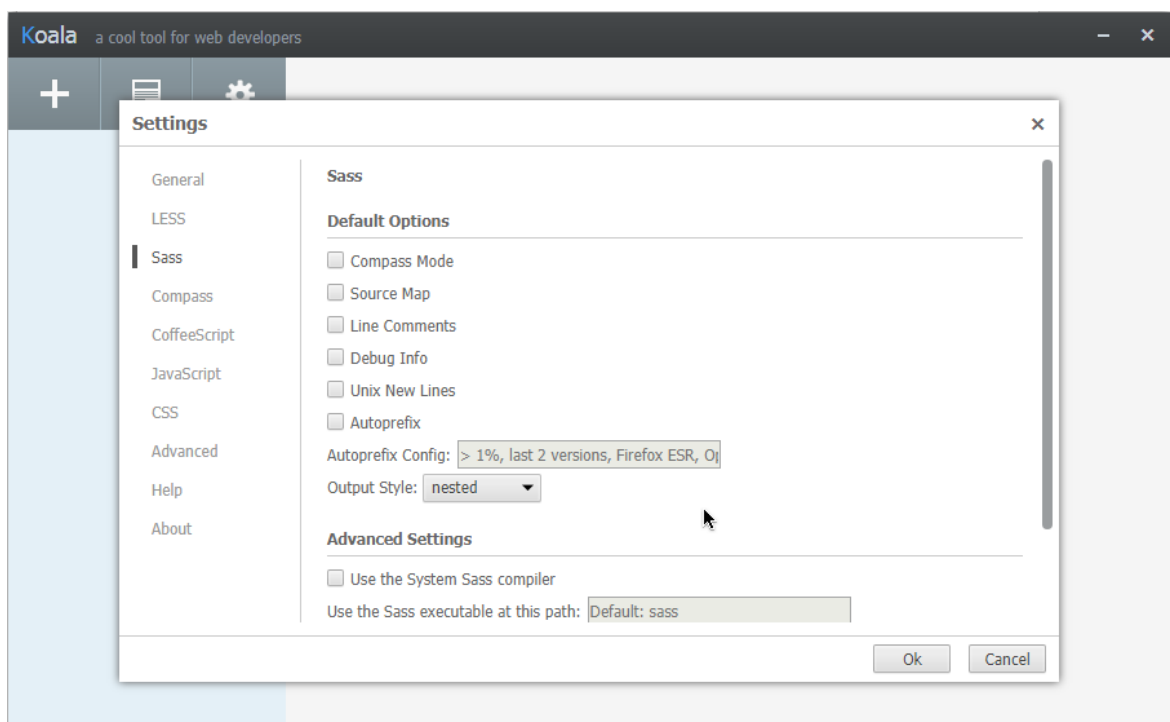
Change it if your configuration is different.

## 12. Open "Koala" app and configure the basic settings

Click on the icon "gear" and then on "General".  
Uncheck everything and click OK.

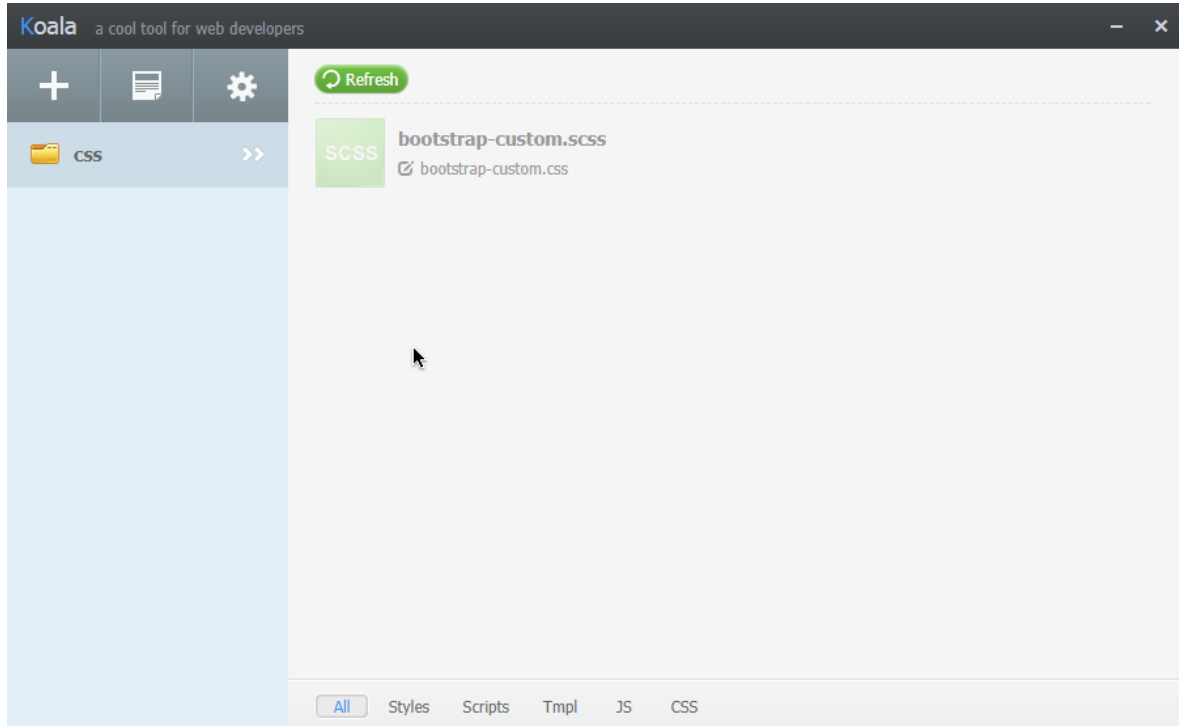


Click on "Sass", uncheck everything and click OK.



### 13. Add your "css" folder to Koala

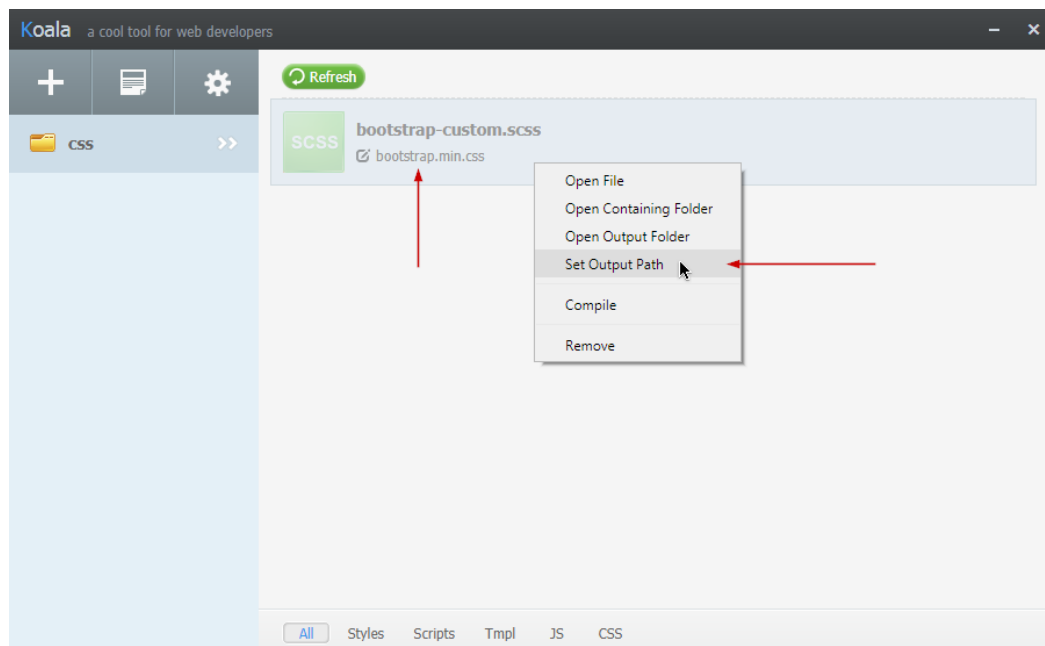
Click the icon **+** and add your css folder



### 14. Define the name and the path of the file to be exported

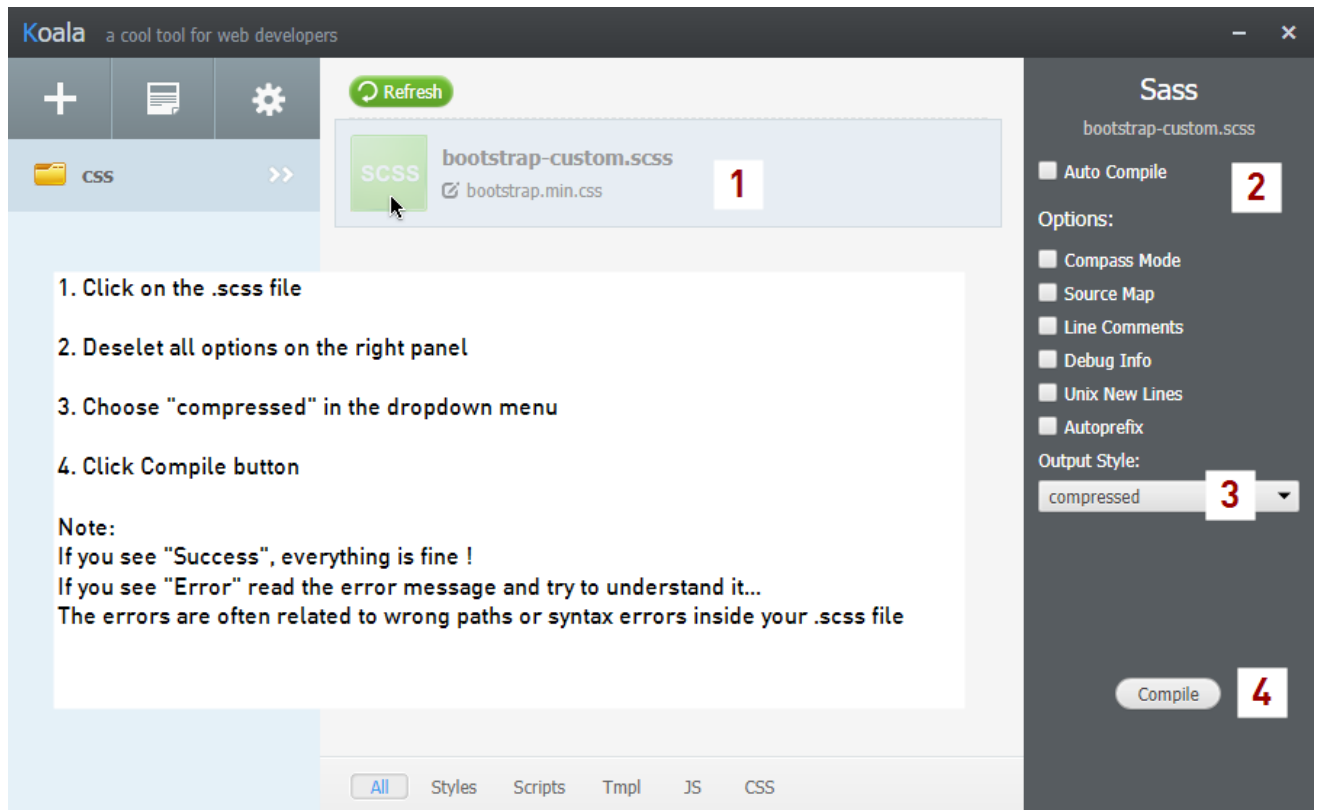
Right click on the bootstrap-custom.scss and "Set Output Path" file.

The folder will be **"css"** and the name will be **"bootstrap.min.css"**



## 15. Compile / Export

Follow the steps in the image below to compile your file :



## 16. Test your work

Create a .html file at the root of the folder and import your "bootstrap.min.css" file:

```
<link rel="stylesheet" href="css/bootstrap.min.css">
```

Create a few divs / paragraphs and try the classes you have changed ...

With love from Granges.  
Sincerely yours,  
Sorin