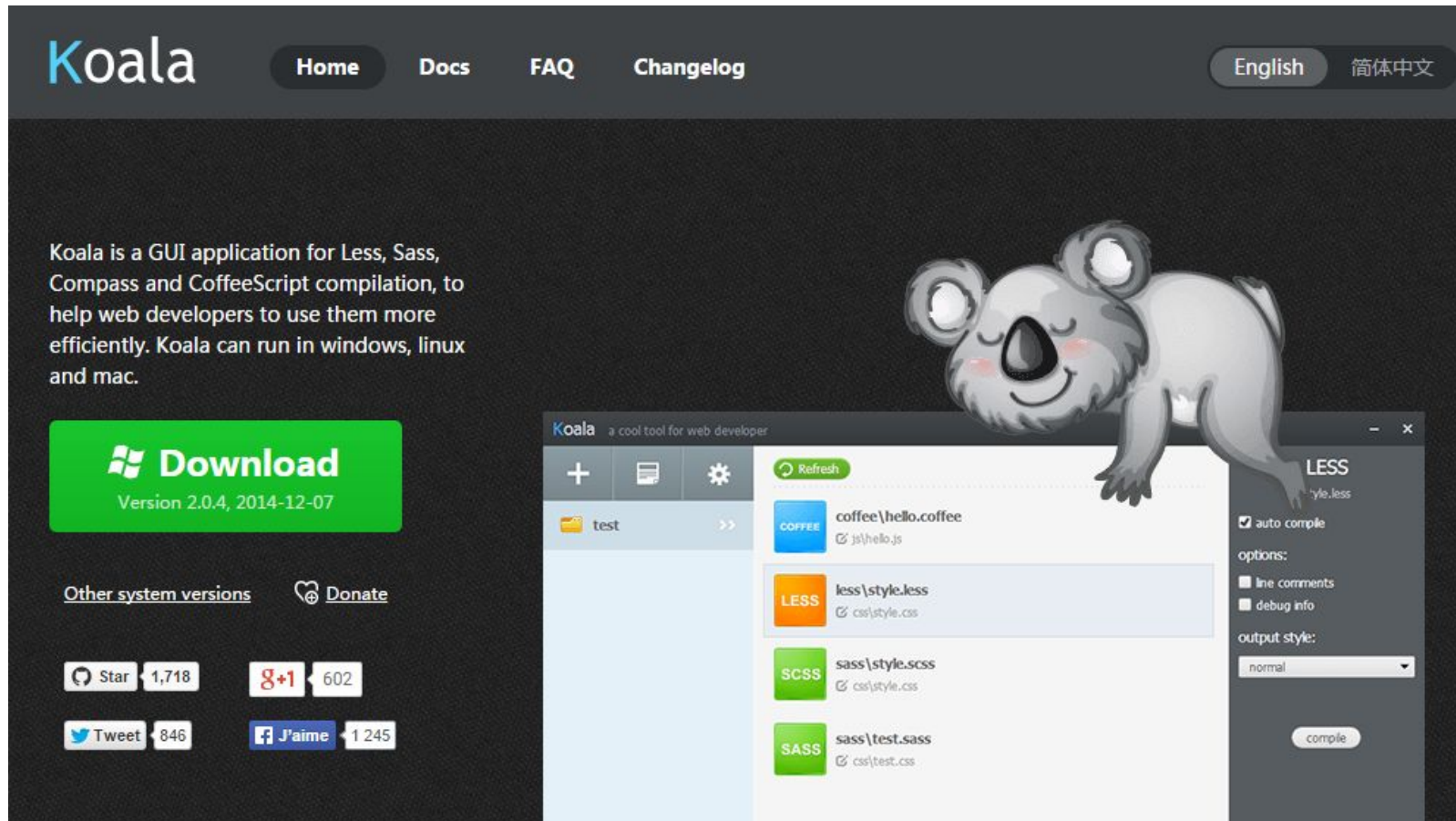


LESS

préprocesseur CSS

Installer LESS :

Il suffit d'installer Koala : <http://koala-app.com>



The image shows the Koala application website and a preview of the application interface. The website has a dark theme with a navigation bar containing links for Home, Docs, FAQ, and Changelog. A large green button labeled 'Download' indicates the current version is 2.0.4, dated 2014-12-07. Below this, there are social media links for GitHub (1,718 stars), Google+ (602), Twitter (846), and Facebook (1,245). A description of Koala as a GUI application for Less, Sass, Compass, and CoffeeScript compilation is provided. A cartoon koala is featured on the right side of the website. The application interface preview shows a file explorer on the left with a 'test' folder. The main area lists files for COFFEE, LESS, SCSS, and SASS. The LESS file 'less/style.less' is selected. The right sidebar shows options for auto compile, line comments, debug info, and output style (normal), along with a 'compile' button.

Koala Home Docs FAQ Changelog English 简体中文

Koala is a GUI application for Less, Sass, Compass and CoffeeScript compilation, to help web developers to use them more efficiently. Koala can run in windows, linux and mac.

Download
Version 2.0.4, 2014-12-07

[Other system versions](#) [Donate](#)

Star 1,718 [g+](#) 602 [Tweet](#) 846 [J'aime](#) 1 245

Koala a cool tool for web developer

test

Refresh

- COFFEE coffee\hello.coffee js\hello.js
- LESS** less\style.less css\style.css
- SCSS sass\style.scss css\style.css
- SASS sass\test.sass css\test.css

LESS
style.less

☒ auto compile

options:

- ☐ line comments
- ☐ debug info

output style:
normal

compile

Exemples : variables et imbrication

Des exemples plus complets et détaillés existent sur internet :

- [http://fr.wikipedia.org/wiki/LESS_\(language\)](http://fr.wikipedia.org/wiki/LESS_(language))
- <http://openclassrooms.com/courses/simplifiez-vous-la-vie-avec-less>

Less

```
1 // définition de variables
2 @color1: #A00;
3 @width: 100px;
4
5 body{
6   #header{
7     width: (@width + 50px);
8
9     a{
10      background-color:@color1;
11    }
12  }
13 }
14
15
16
17
```

CSS

```
1 body #header {
2   width: 150px;
3 }
4 body #header a {
5   background-color: #aa0000;
6 }
7
8
9
10
11
12
13
14
15
16
17
```

```

1 // @import 'style.less'
2
3 @color1: #A00;
4 @color2: blue;
5 @width: 100px;
6
7 // classes abstraites et fonctions
8 .backgroundgreen{
9     background-color:green;
10 }
11 .margininside(@margin){
12     margin-left:@margin;
13     margin-right:@margin;
14 }
15
16 // Commentaire non visible dans le css
17 body{
18
19     /* commentaire visible */
20     #header{
21         div{
22             width: (@width + 50px);
23             background-color:@color1;
24         }
25     }
26
27     #main{
28         a{
29             color:@color1;
30
31             &:hover{
32                 color:lighten(@color1, 10%);
33                 transition: transform 1s;
34             }
35         }
36     }
37
38     div{
39         .backgroundgreen;
40         .margininside(10px);
41     }
42 }
43
44 }

```

```

1 .backgroundgreen {
2     background-color: green;
3 }
4 body {
5     /* commentaire visible */
6 }
7 body #header div {
8     width: 150px;
9     background-color: #aa0000;
10 }
11 body #main a {
12     color: #aa0000;
13 }
14 body #main a:hover {
15     color: #dd0000;
16     -webkit-transition: -webkit-transform 1s;
17     transition: transform 1s;
18 }
19 body #main div {
20     background-color: green;
21     margin-left: 10px;
22     margin-right: 10px;
23 }
24
25
26
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```

Less VS Sass et autres préprocesseurs

Avantages :

- + Utilise Javascript: pas besoin d'installer Ruby (contrairement à Sass)
- + Peut être compilé côté client lors du rendu par le navigateur.
- + Déjà utilisé par Symetrix

Inconvénients :

- Un peu moins complet que Sass
- Pas de "bibliothèque" unique où trouver toutes les fonctions et mixins (comme Compass pour Sass)