

# Curso de SASS

## SYS4SOFT (João Ribeiro)

[https://www.youtube.com/watch?v=-6yxC-0Nux8&list=PLXik\\_5Br-zO9AMTaAqg7EpYlITPSDUZut](https://www.youtube.com/watch?v=-6yxC-0Nux8&list=PLXik_5Br-zO9AMTaAqg7EpYlITPSDUZut)

Resumo do curso feito por Roberto Pinheiro

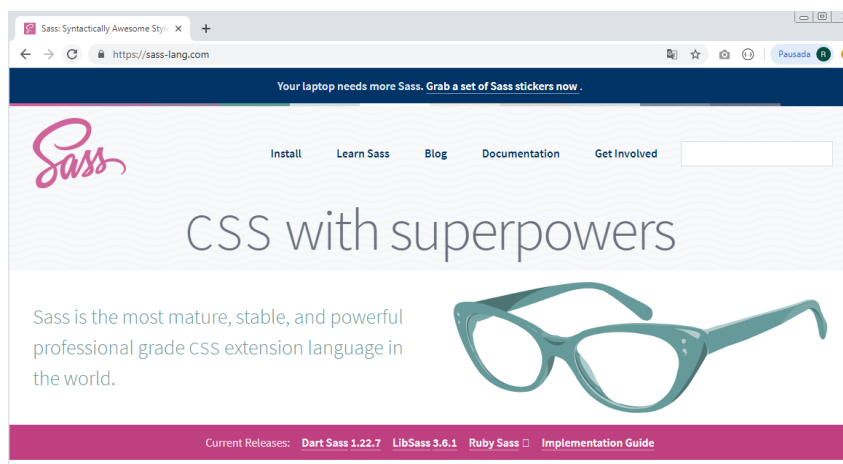
## Aula 1 - Instalação e modo de funcionamento

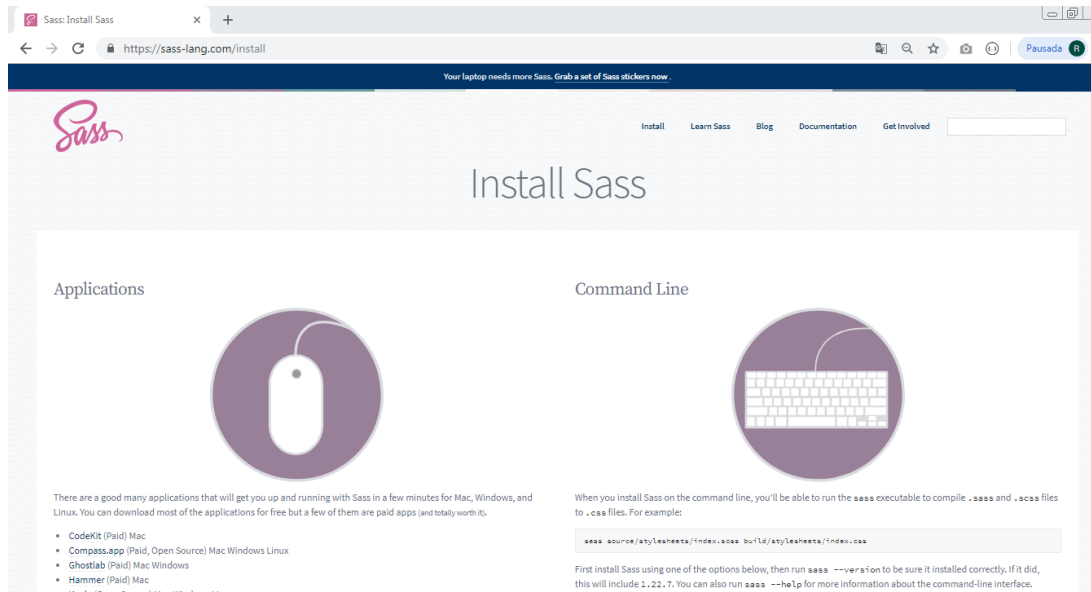
O SASS é um pré-processador de CSS.



- Instalação e modo de funcionamento
- Variáveis
- Aninhamento
- Partials e Import
- Mixins
- Hereditariedade
- Operadores

<https://sass-lang.com>

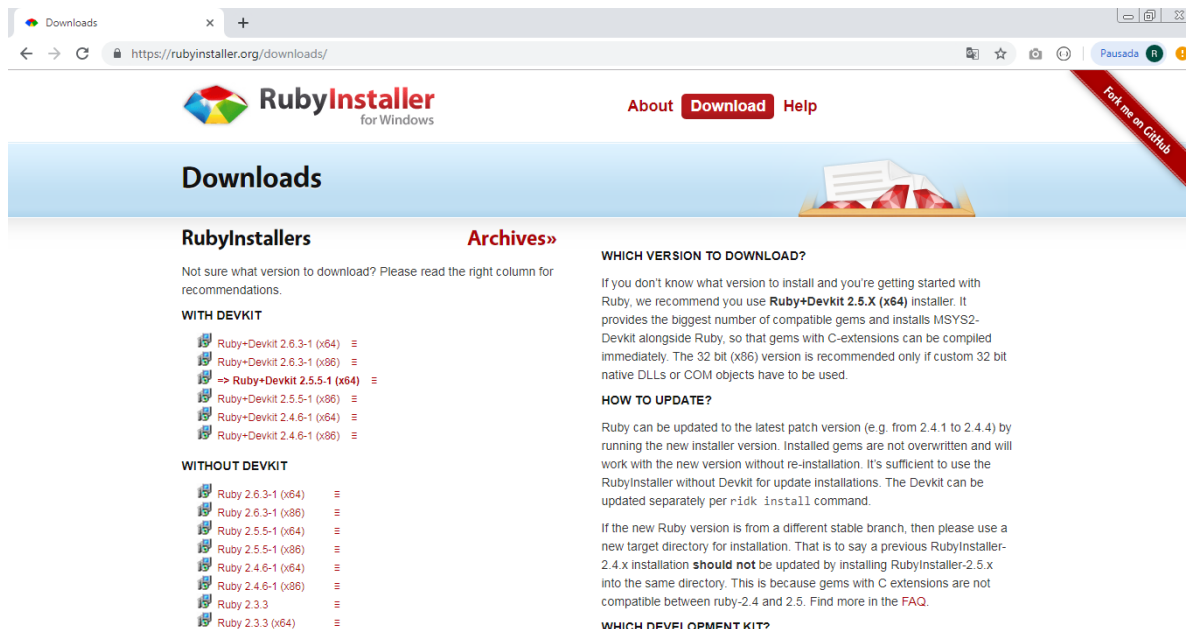




- Descarregue o Ruby Installer em:

<https://rubyinstaller.org/downloads/>

- E posteriormente instale-o.



Para visualizar a versão instalada, entre com o comando:

```
C:\Users\Beto>gem -v
3.0.3
```

- Para instalar o SASS, entre com o comando:

**gem install sass**

```
C:\Users\Beto>gem install sass
Fetching sass-3.7.4.gem
Fetching ffi-1.11.1-x86-mingw32.gem
Fetching rb-inotify-0.10.0.gem
Fetching rb-fsevent-0.10.3.gem
Fetching sass-listen-4.0.0.gem
Successfully installed ffi-1.11.1-x86-mingw32
Successfully installed rb-inotify-0.10.0
Successfully installed rb-fsevent-0.10.3
Successfully installed sass-listen-4.0.0

Ruby Sass has reached end-of-life and should no longer be used.

* If you use Sass as a command-line tool, we recommend using Dart Sass, the new
  primary implementation: https://sass-lang.com/install

* If you use Sass as a plug-in for a Ruby web framework, we recommend using the
  sassc gem: https://github.com/sass/sassc-ruby#readme

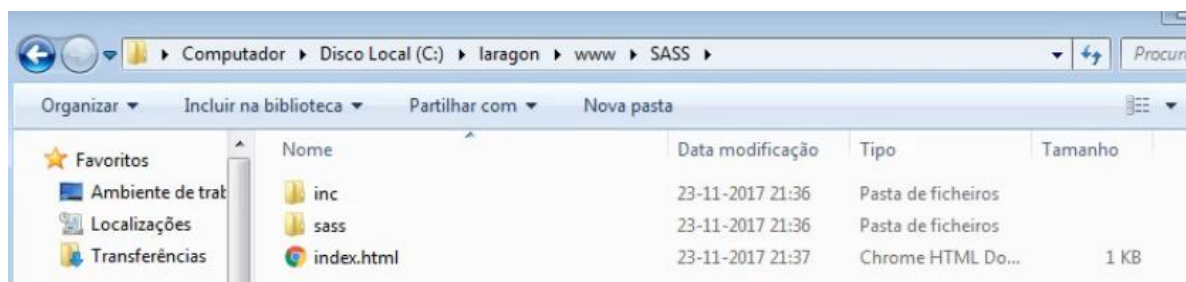
* For more details, please refer to the Sass blog:
  https://sass-lang.com/blog/posts/7828841

Successfully installed sass-3.7.4
Parsing documentation for ffi-1.11.1-x86-mingw32
Installing ri documentation for ffi-1.11.1-x86-mingw32
Parsing documentation for rb-inotify-0.10.0
Installing ri documentation for rb-inotify-0.10.0
Parsing documentation for rb-fsevent-0.10.3
Installing ri documentation for rb-fsevent-0.10.3
Parsing documentation for sass-listen-4.0.0
Installing ri documentation for sass-listen-4.0.0
Parsing documentation for sass-3.7.4
Installing ri documentation for sass-3.7.4
Done installing documentation for ffi, rb-inotify, rb-fsevent, sass-listen, sass
after 15 seconds
5 gems installed
```

Para confirmar a versão do SASS instalado:

```
C:\Users\Beto>sass -v
Ruby Sass 3.7.4

C:\Users\Beto>
```



## aula1.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>SASS - Aula 1</title>
  <link rel="stylesheet" href="inc/aula1.css">
</head>
<body>
  <p>Este texto é azul</p>
</body>
</html>
```

Dentro da pasta sass, crie o arquivo main.scss:

## sass/aula1.scss

```
// Teste de SASS
/* Teste de SASS */

$cor: blue;

p {
  color: $cor;
}
```

## Compilando

- Abra o terminal no Visual Studio Code e entre com:

```
sass --watch sass:inc
```

ou:

```
sass -w sass:inc
```

```
C:\laragon\www\SASS>sass --watch sass:inc
>>> Sass is watching for changes. Press Ctrl-C to stop.
    write inc/aula1.css
    write inc/aula1.css.map
```

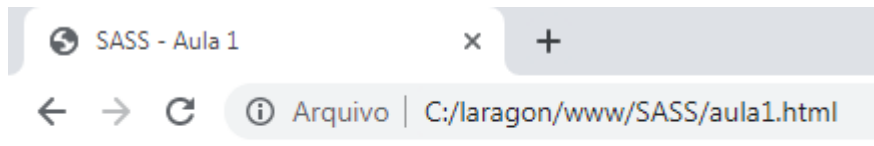
- Dentro da pasta inc será criado o arquivo aula1.css

**inc/aula1.css**

```
/* Teste de SASS */
```

```
p {  
  color: blue; }
```

```
/*# sourceMappingURL=aula1.css.map */
```



Este texto é azul

## Aula 2 - Variáveis

### aula2.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>SASS</title>
  <link rel="stylesheet" href="inc/aula2.css">
</head>
<body>
  <p>Este texto é azul</p>
</body>
</html>
```

### sass/aula2.scss

```
// Teste de SASS
/* Teste de SASS */

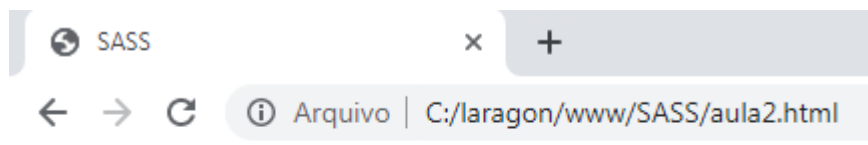
$cor: blue;
$tamanho: 36px;
$tipo_fonte: 'Trebuchet MS';

p {
  color: $cor;
  font-size: $tamanho;
  font-family: $tipo_fonte;
}
```

- Dentro da pasta inc será criado o arquivo aula2.css

**inc/aula2.css**

```
/* Teste de SASS */  
p {  
  color: blue;  
  font-size: 36px;  
  font-family: "Trebuchet MS"; }  
  
/*# sourceMappingURL=aula2.css.map */
```



Este texto é azul

## Aula 3 - Nesting (Aninhamento)

### aula3.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>SASS - Aula 3</title>
  <link rel="stylesheet" href="inc/aula3.css">
</head>
<body>

  <p>texto</p>

  <a href="">Link 1</a>
  <a href="">Link 2</a>

  <ul>
    <li>Item 1</li>
    <li>Item 2</li>
    <li>Item 3</li>
  </ul>

  <div class="caixa">
    <ul>
      <li>Item 1</li>
      <li>Item 2</li>
      <li>Item 3</li>
    </ul>
    <a href="">Ler mais</a>

    <div>
      <p>TITULO</p>
    </div>
  </div>
</body>
</html>
```



### **sass/aula3.scss**

```
$tamanho: 2em;

ul {
  color: red;
}

.caixa{

  ul{
    color: green;
  }

  a{
    text-decoration: none;
    color: red;
  }

  a:hover{
    color: yellow;
  }

  div{
    p{
      font-size: $tamanho;
    }
  }
}
```

### **inc/aula3.css**

```
ul {
  color: red; }
.caixa ul {
  color: green; }
.caixa a {
  text-decoration: none;
  color: red; }
.caixa a:hover {
  color: yellow; }
.caixa div p {
  font-size: 2em; }
/*# sourceMappingURL=aula3.css.map */
```

## Aula 4 - Partial e Import

### aula4.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>SASS - Aula 4</title>
  <link rel="stylesheet" href="inc/aula4.css">
</head>
<body>

  <p class="titulo">TÍTULO</p>

  <div class="seccao1">
    <p>secção 1</p>
  </div>

  <div class="seccao2">
    <p>secção 2</p>
  </div>

  <div class="seccao3">
    <p>secção 3</p>
  </div>

</body>
</html>
```

### sass/\_seccao1.scss

```
// secção 1

.seccao1{
  font-size: 1.5em;
  color: red;
}
```

#### **sass/\_seccao2.scss**

// seção 2

```
.seccao2{  
  font-size: 2em;  
  color: blue;  
}
```

#### **sass/\_seccao3.scss**

// seção 3

```
.seccao3{  
  font-size: 3em;  
  color: green;  
}
```

#### **sass/aula4.scss**

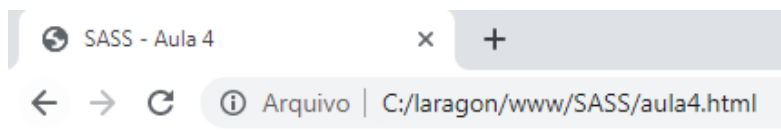
```
.titulo{  
  font-size: 4em;  
}
```

```
@import 'seccao1';  
@import 'seccao2';  
@import 'seccao3';
```

#### **inc/aula4.css**

```
.titulo {  
  font-size: 4em; }  
.seccao1 {  
  font-size: 1.5em;  
  color: red; }  
.seccao2 {  
  font-size: 2em;  
  color: blue; }  
.seccao3 {  
  font-size: 3em;  
  color: green; }
```

```
/*# sourceMappingURL=aula4.css.map */
```



# TÍTULO

secção 1

secção 2

secção 3

## Aula 5 - Mixins

### aula5.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>SASS - Aula 5</title>
  <link rel="stylesheet" href="inc/aula5.css">
</head>
<body>

  <div class="artigo1">
    <h1>Título 1</h1>
    <p>Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.</p>
  </div>

  <hr>

  <div class="artigo2">
    <h1>Título 2</h1>
    <p>Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular during the Renaissance. The first line of Lorem Ipsum, "Lorem ipsum dolor sit amet..", comes from a line in section 1.10.32.</p>
  </div>

  <hr>

  <div class="artigo3">
    <h1>Título 3</h1>
```

<p>It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).</p>

</div>

<hr>

</body>

</html>

### **sass/aula5.scss**

```
@mixin caixa_noticia($cor, $p){  
  border: 1px solid black;  
  border-radius: 10px;  
  margin: 20px;  
  padding: $p;  
  background-color: $cor;  
}
```

```
@mixin titulo(){  
  font-size: 2.5em;  
  color: blue;  
}
```

```
.artigo1{  
  @include caixa_noticia(rgb(180, 180, 180), 20px);  
}
```

```
.artigo1 h1{  
  @include titulo();  
}
```

```
.artigo2{  
  @include caixa_noticia(rgb(209, 216, 167), 40px);  
}
```

```
.artigo3{  
  @include caixa_noticia(rgb(165, 190, 214), 60px);  
}
```

## **inc/aula5.css**

```
.artigo1 {  
  border: 1px solid black;  
  border-radius: 10px;  
  margin: 20px;  
  padding: 20px;  
  background-color: #b4b4b4; }  
  
.artigo1 h1 {  
  font-size: 2.5em;  
  color: blue; }  
  
.artigo2 {  
  border: 1px solid black;  
  border-radius: 10px;  
  margin: 20px;  
  padding: 40px;  
  background-color: #d1d8a7; }  
  
.artigo3 {  
  border: 1px solid black;  
  border-radius: 10px;  
  margin: 20px;  
  padding: 60px;  
  background-color: #a5bed6; }  
  
/*# sourceMappingURL=aula5.css.map */
```

## Aula 6 - Hereditariedade

### aula6.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>SASS - Aula 6</title>
  <link rel="stylesheet" href="inc/aula6.css">
</head>
<body>

  <p class="p1">Parágrafo 1</p>
  <p class="p2">Parágrafo 2</p>
  <p class="p3">Parágrafo 3</p>

</body>
</html>
```

### sass/aula6.scss

```
.p1{
  background-color: cadetblue;
  padding: 20px;
  color: black;
  font-size: 1.5em;
}

.p2{
  @extend .p1;
  font-size: 3em;
  margin: 30px;
  color: navy;
}

.p3{
  @extend .p1;
  font-size: 5em;
}
```



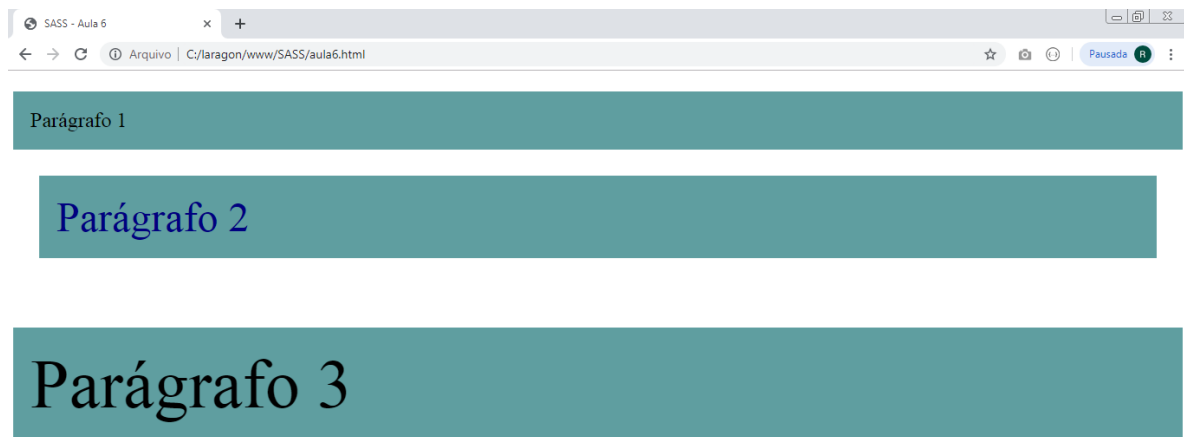
## inc/aula6.css

```
.p1, .p2, .p3 {  
  background-color: cadetblue;  
  padding: 20px;  
  color: black;  
  font-size: 1.5em; }
```

```
.p2 {  
  font-size: 3em;  
  margin: 30px;  
  color: navy; }
```

```
.p3 {  
  font-size: 5em; }
```

```
/*# sourceMappingURL=aula6.css.map */
```



## Aula 7 - Utilização de operadores matemáticos

### aula7.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>SASS - Aula 7</title>
  <link rel="stylesheet" href="inc/aula7.css">
</head>
<body>

  <p class="p1">Parágrafo 1</p>
  <p class="p2">Parágrafo 2</p>
  <p class="p3">Parágrafo 3</p>

</body>
</html>
```

## **sass/aula7.scss**

```
$t: 30px;  
$red: 150;  
$color: white;
```

```
.p1{  
  padding: 30px;  
  font-size: $t;  
  background-color: rgb($red, 0, 0);  
  color: $color;  
}
```

```
.p2{  
  padding: 30px;  
  font-size: $t + 5;  
  background-color: rgb($red + 50, 0, 0);  
  color: $color;  
  
}
```

```
.p3{  
  padding: 30px;  
  font-size: $t - 5px;  
  background-color: rgb($red + 100, 0, 0);  
  color: $color;  
}
```

## inc/aula7.css

```
.p1 {  
  padding: 30px;  
  font-size: 30px;  
  background-color: #960000;  
  color: white; }
```

```
.p2 {  
  padding: 30px;  
  font-size: 35px;  
  background-color: #c80000;  
  color: white; }
```

```
.p3 {  
  padding: 30px;  
  font-size: 25px;  
  background-color: #fa0000;  
  color: white; }
```

```
/*# sourceMappingURL=aula7.css.map */
```

