

Curso de SASS

SYS4SOFT (João Ribeiro)

https://www.youtube.com/watch?v=-6yxC-0Nux8&list=PLXik_5Br-zO9AMTaAqg7EpYIITPSDUZut

Resumo do curso feito por Roberto Pinheiro

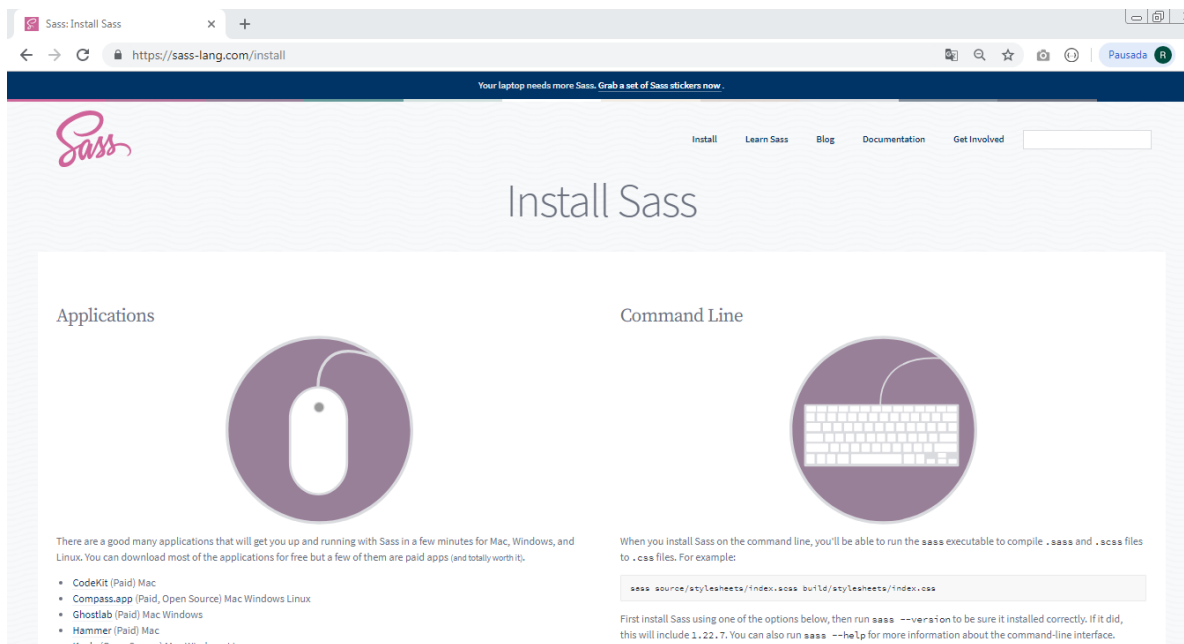
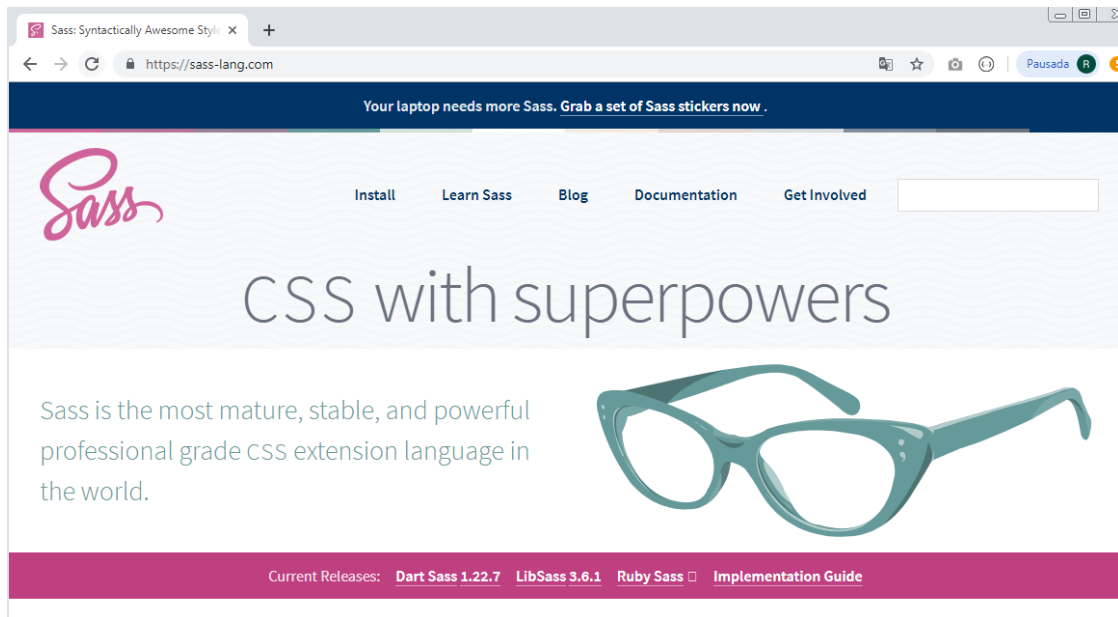
Aula 1 - Instalação e modo de funcionamento

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>




Descarregar o Ruby Installer em:

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

E posteriormente instale-o.

Downloads x +

← → ↻ https://rubyinstaller.org/downloads/ Pausada

 **RubyInstaller**
for Windows

About Download Help







Fork me on GitHub

Downloads









RubyInstallers Archives»

Not sure what version to download? Please read the right column for recommendations.

WITH DEVKIT

-  Ruby+Devkit 2.6.3-1 (x64) =
-  Ruby+Devkit 2.6.3-1 (x86) =
-  => **Ruby+Devkit 2.5.5-1 (x64)** =
-  Ruby+Devkit 2.5.5-1 (x86) =
-  Ruby+Devkit 2.4.6-1 (x64) =
-  Ruby+Devkit 2.4.6-1 (x86) =

WITHOUT DEVKIT

-  Ruby 2.6.3-1 (x64) =
-  Ruby 2.6.3-1 (x86) =
-  Ruby 2.5.5-1 (x64) =
-  Ruby 2.5.5-1 (x86) =
-  Ruby 2.4.6-1 (x64) =
-  Ruby 2.4.6-1 (x86) =
-  Ruby 2.3.3 =
-  Ruby 2.3.3 (x64) =

WHICH VERSION TO DOWNLOAD?

If you don't know what version to install and you're getting started with Ruby, we recommend you use **Ruby+Devkit 2.5.X (x64)** installer. It provides the biggest number of compatible gems and installs MSYS2-Devkit alongside Ruby, so that gems with C-extensions can be compiled immediately. The 32 bit (x86) version is recommended only if custom 32 bit native DLLs or COM objects have to be used.

HOW TO UPDATE?

Ruby can be updated to the latest patch version (e.g. from 2.4.1 to 2.4.4) by running the new installer version. Installed gems are not overwritten and will work with the new version without re-installation. It's sufficient to use the RubyInstaller without Devkit for update installations. The Devkit can be updated separately per `ridk install` command.

If the new Ruby version is from a different stable branch, then please use a new target directory for installation. That is to say a previous RubyInstaller-2.4.x installation **should not** be updated by installing RubyInstaller-2.5.x into the same directory. This is because gems with C extensions are not compatible between ruby-2.4 and 2.5. Find more in the [FAQ](#).

WHICH DEVELOPMENT KIT?

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

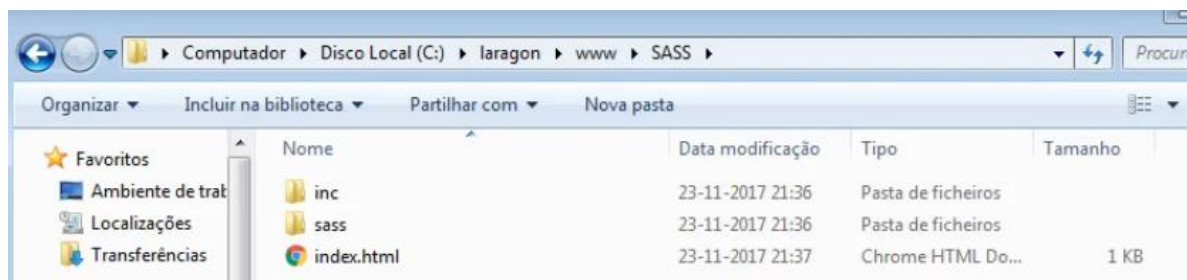
* For more details, please refer to the Sass blog:
  https://sass-lang.com/blog/posts/7828841

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

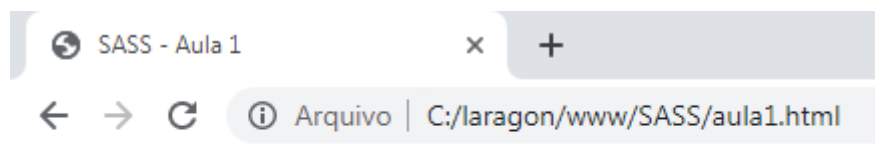
ou **sass -w sass:inc**

```
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=main.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 */

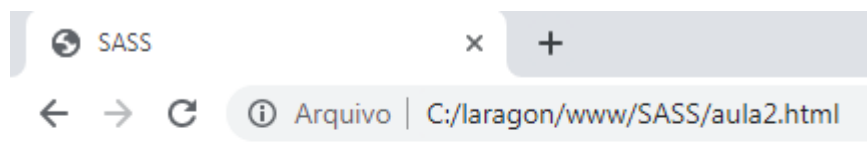
$cor: blue;
$tamanho: 36px;
$tipo_fonte: 'Trebuchet MS';

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=main.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

```
// seção 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;
}
```

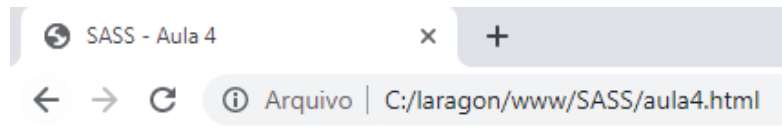
sass/aula4.scss

```
.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

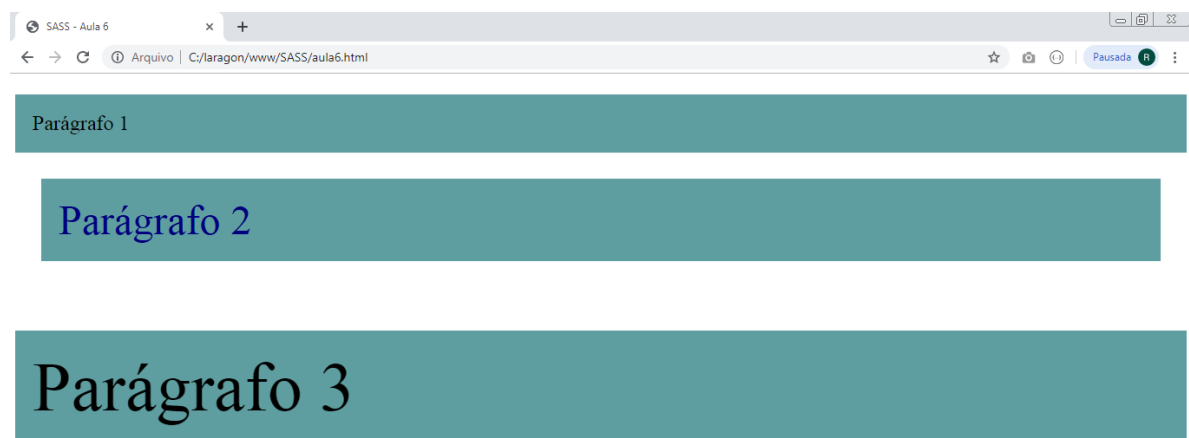
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>SASS - Aula 6</title>
  <link rel="stylesheet" href="inc/aula6.css">
</head>
<body>
  <p class="p1">Parágrafo 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 */
```

