

DESENVOLVEDOR MULTIPLATAFORMA  
**WEB & MOBILE**

# CONSTRUINDO UM SISTEMA WEB



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Problemas comuns  
no CSS...

```
#content {  
    display: block;  
    padding-left: 220px;  
    padding-top: 55px;  
}
```

# REPETIÇÃO

```
#content {  
    display: block;  
    padding-left: 220px;  
    padding-top: 55px;  
}  
#content > .card {  
    max-width: 1160px;  
    margin-top: 20px;  
    box-shadow: none;  
    background: none;  
}  
#content > section > .card {  
    margin-left: 0px;  
    margin-right: 0px;  
}  
#content > section > .card p {  
    font-size: 14px;  
}
```

# VÁRIAS REQUESTS PARA CSS

```
<link rel="stylesheet" href="css/card.css">
<link rel="stylesheet" href="css/button.css">
<link rel="stylesheet" href="css/forms.css">
<link rel="stylesheet" href="css/standard.css">
<link rel="stylesheet" href="css/outrosloucuras.css">
```

# TEM QUE FICAR DECORANDO HEXADECIMAL

```
#area-principal{  
    background-color: #282828;  
}  
.botao{  
    background-color: #282828;  
    color: white;  
}  
  
table thead tr th{  
    background-color: #282828;  
}  
|
```

**COMO RESOLVER??**

The logo for the CSS preprocessor Sass. It features the word "Sass" in a bold, white, cursive font. The letters are partially filled with a vibrant pink color, creating a stylized, cloud-like appearance. The logo is centered against a background of radiating pink and white diagonal stripes.

Sass

# JEITO NORMAL

```
#content {  
    display: block;  
    padding-left: 220px;  
    padding-top: 55px;  
}  
#content > .card {  
    max-width: 1160px;  
    margin-top: 20px;  
    box-shadow: none;  
    background: none;  
}  
#content > section > .card {  
    margin-left: 0px;  
    margin-right: 0px;  
}  
  
#content > section > .card p {  
    font-size: 14px;  
}
```

# JEITO *épico*

```
#content{  
    display: block;  
    padding-left: 220px;  
    padding-top: 55px;  
}> .card{  
    max-width: 1160px;  
    margin-top: 20px;  
    box-shadow: none;  
    background: none;  
}  
> section > .card{  
    margin-left: 0px;  
    margin-right: 0px;  
    p{  
        font-size: 14px;  
    }  
}  
}
```

# JEITO NORMAL

```
<link rel="stylesheet" href="css/card.css">
<link rel="stylesheet" href="css/button.css">
<link rel="stylesheet" href="css/forms.css">
<link rel="stylesheet" href="css/standard.css">
<link rel="stylesheet" href="css/outrosloucuras.css">
```

# JEITO épico

.scss

estilo.scss

```
@import "./components/_card.scss";
@import "./components/_button.scss";
@import "./components/_forms.scss";
@import "./components/_standard.scss";
@import "./components/_botao.scss";
@import "./components/_outrasloucuras.scss";
```

.html

index.html

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

# JEITO NORMAL

```
#area-principal{  
    background-color: #282828;  
}  
.botao{  
    background-color: #282828;  
color: white;  
}  
  
table thead tr th{  
    background-color: #282828;  
}
```

# JEITO Épico

```
$corDaMinhaMarca: #282828;

#area-principal{
    background-color: $corDaMinhaMarca;
}
.botao{
    background-color: $corDaMinhaMarca;
    color: white;
}

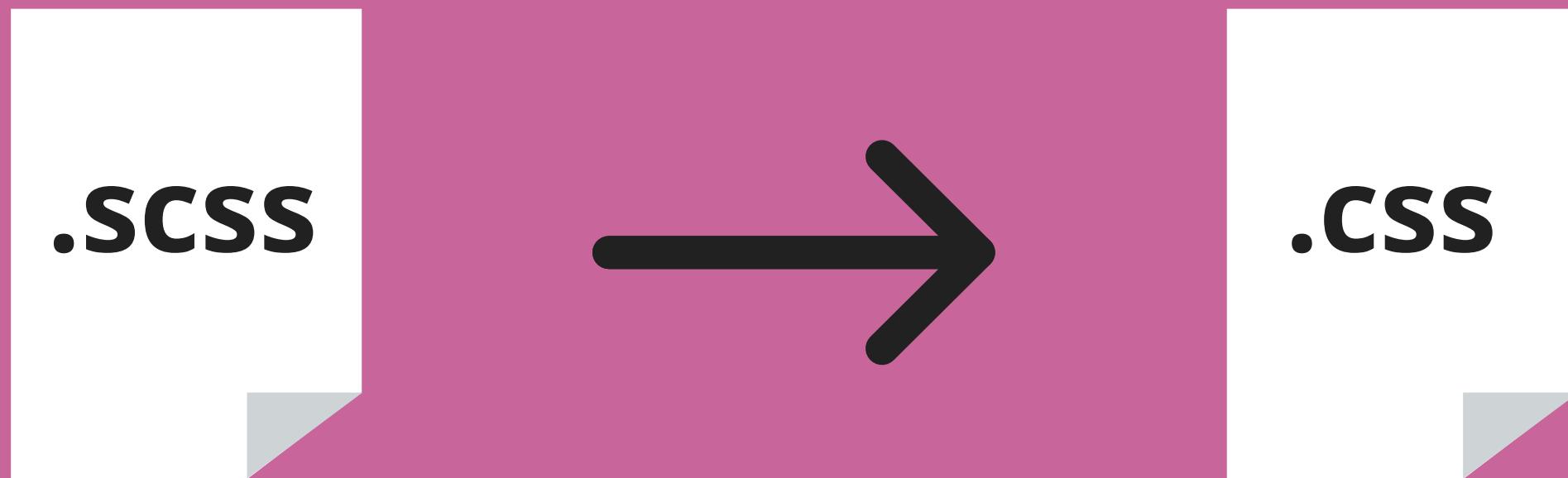
table thead tr th{
    background-color: $corDaMinhaMarca;
}
```

**COMO FUNCIONA??**



É UM PRÉCOMPILADOR

O SASS APENAS  
CONVERTE OS  
ARQUIVOS .SCSS  
PARA O ARQUIVO .CSS



# **COMO INSTALAR?**

# INSTALE O RUBY



The screenshot shows the RubyInstaller.org website. At the top, there's a navigation bar with icons for back, forward, search, and other browser functions. The main header features the RubyInstaller logo (a colorful gem icon) and the text "RubyInstaller" in red, with "for Windows" below it. To the right of the logo are links for "About", "Download", "Help", and "Contribute". Below the header, a large section title "The easy way to install Ruby on Windows" is displayed in bold black text. Underneath, a descriptive paragraph explains that it's a self-contained Windows-based installer including the Ruby language, documentation, and more. Two prominent buttons are shown: a red "Download" button and a light blue "Add-ons" button. To the right of this text is a graphic of a wooden chest overflowing with red gems, with a large downward-pointing arrow indicating the download process. Below this main section, there are two columns: "Latest News" on the left and "Extras" on the right. The "Latest News" column contains two entries: one about the release of RubyInstaller 2.1.9, 2.2.5, and 2.3.1, and another about the release of 2.0.0-p648, 2.1.8, and 2.2.4. Both news items include a "Read full article" link with a video camera icon. The "Extras" column lists two online courses: "Online Ruby Programming Course" and "Online Rails Programming Course", each with a brief description.

## The easy way to install Ruby on Windows

This is a **self-contained Windows-based installer** that includes the **Ruby language**, an execution environment, important **documentation**, and more.

[Download](#) [Add-ons](#)



### Latest News

**RubyInstaller 2.1.9, 2.2.5, and 2.3.1 released**

Sorry it has taken so long to get these releases out. You can find links to download these versions in the [Downloads](#) section of this site or on [Bintray](#).

July 18, 2016  [Read full article](#)

**RubyInstaller 2.0.0-p648, 2.1.8 and 2.2.4 released**

These new releases of Ruby address a security issue ([CVE-2015-7551](#)). 2.1.8 and 2.2.4 also address some bugs and fixes. Upgrading to those versions is recommended. You can find the links to those archives in the download section.

### Extras

**Online Ruby Programming Course**  
If you're new to Ruby, check out this online course from The Pragmatic Studio to learn all the fundamentals of object-oriented programming with Ruby.

**Online Rails Programming Course**  
If you're looking to create Ruby on Rails web apps, you'll learn how to build a complete Rails 4 app step-by-step in this online course also from The Pragmatic Studio.

# INSTALE O PACOTE SASS DO RUBY

```
> gem install sass
```

# CONVERTENDO O ARQUIVO .SCSS PARA O .CSS

```
> sass input.scss output.css
```

# GERAR UM ARQUIVO CSS TODA VEZ QUE HOUVER MUDANÇA NO .SCSS

```
> sass --watch input.scss:output.css
```

**CASO VOCÊ TENHA UM DIRETÓRIO  
INTEIRO A SER CONVERTIDO...**

> sass --watch sass:css

**TEM MAIS COISAS QUE  
SASS PODE FAZER?**

# CRIAR FUNÇÕES

```
@mixin vendorize($prop,$value){  
  -webkit-#$prop: $value;  
  -moz-#$prop: $value;  
  -o-#$prop: $value;  
  -ms-#$prop: $value;  
  #$prop: $value;  
}  
  
.exemplo{  
  @include vendorize(border-radius,4px);  
}
```

# CRIAR OBJETOS E ARRAYS

```
$botoes: (name: "primary",background: #282828, color: white),  
(name: "danger",background: red, color: white);  
  
@mixin botoes($botoes){  
    @each $botao in $botoes{  
        .btn.#{map-get($botao,name)}{  
            color: map-get($botao,color);  
            background: map-get($botao,background);  
        }  
    }  
}  
  
@include botoes($botoes);|
```