

# Sass/SCSS und Compass - Stylesheets im Griff!

# Sass und SCSS

Sass und SCSS sind Precompiler und erweitern CSS um:

Variablen, Mixins, Functions, Nesting, Selector Inheritance, Kontroll-Strukturen (if), Schleifen (for, while, each), vordefinierte Functions (String, Number, Math, etc.) und mehr...

# Sass und SCSS

## Sass

```
$color: #ff0000

.text-box
  background: #cccccc
  border: 1px solid #eeeeee

.info-text
  @extend .text-box
  color: $color
```

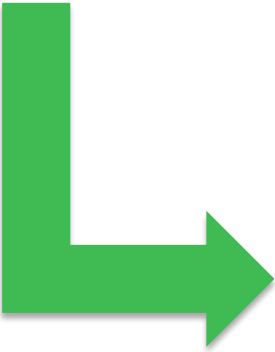
## SCSS

```
$color: #ff0000;

.text-box {
  background: #cccccc;
  border: 1px solid #eeeeee;
}


.info-text {
  @extend .text-box;
  color: $color;
}
```

## CSS



```
.text-box {
  background: #cccccc;
  border: 1px solid #eeeeee;
}

.info-text {
  color: red;
}
```



# SCSS - Variables

## SCSS

```
$text-color: #ff0000;
$bg-color: #cccccc;
$border-color: #eeeeee;

.text-box {
  background: $bg-color;
  border: 1px solid $border-color;
}

.info-text {
  color: $text-color;
}
```



## CSS

```
.text-box {
  background: #cccccc;
  border: 1px solid #eeeeee;
}

.info-text {
  color: red;
}
```

# SCSS - Nesting

## SCSS

```
article {  
  color: #fff;  
  h2 {  
    font-size: 1.1em;  
  }  
  p {  
    font-size: 0.9em;  
    .highlight {  
      color: #ccc;  
    }  
  }  
}
```



## CSS

```
article {  
  color: #ffffff;  
}  
article h2 {  
  font-size: 1.1em;  
}  
article p {  
  font-size: 0.9em;  
}  
article p .highlight {  
  color: #cccccc;  
}
```

# SCSS - Selector Inheritance

## SCSS

```
div.box-standard {  
  border:1px solid #ffffff;  
  border-radius: 5px;  
  padding:5px;  
  width:600px;  
}  
  
div.box-small {  
  @extend div.box-standard;  
  width: 300px;  
}  
  
div.box-small-info {  
  @extend div.box-small;  
  border:1px solid #cc0c0c;  
  color:#cc0c0c;  
}
```



## CSS

```
div.box-standard, div.box-small,  
div.box-small-info {  
  border: 1px solid #ffffff;  
  border-radius: 5px;  
  padding:5px;  
  width: 590px;  
}  
  
div.box-small, div.box-small-info  
{  
  width: 290px;  
}  
  
div.box-small-info {  
  border: 1px solid #cc0c0c;  
  color: #cc0c0c;  
}
```

# SCSS - Mixins

## SCSS

```
@mixin border-radius($radius: 5px)
{
  border-radius: $radius;
  -ms-border-radius: $radius;
  -moz-border-radius: $radius;
  -webkit-border-radius: $radius;
  -khtml-border-radius: $radius;
}

.box-left-col {
  background: #cccccc;
  @include border-radius;
}

.box-content-col {
  background: #ffffff;
  @include border-radius(10px);
}
```



## CSS

```
.box-left-col {
  background: #cccccc;
  border-radius: 5px;
  -ms-border-radius: 5px;
  -moz-border-radius: 5px;
  -webkit-border-radius: 5px;
  -khtml-border-radius: 5px;
}

.box-content-col {
  background: #ffffff;
  border-radius: 10px;
  -ms-border-radius: 10px;
  -moz-border-radius: 10px;
  -webkit-border-radius: 10px;
  -khtml-border-radius: 10px;
}
```

# SCSS - Function

## SCSS

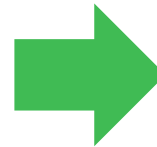
```
$default-size: 2em;

@function size($size: 100) {
  @return $default-size * ($size/100);
}

.h1 {
  font-size: size(120);
  padding: 0 0 size(120) 0;
}

.h2 {
  font-size: size();
}

p {
  font-size: size(80);
}
```



## CSS

```
.h1 {
  font-size: 2.4em;
  padding: 0 0 2.4em 0;
}

.h2 {
  font-size: 2em;
}

p {
  font-size: 1.6em;
}
```



# Compass

Compass ist ein auf SCSS basierendes Framework:

CSS3-Feature in Form von Mixins mit Vendor-Prefixes und Cross Browser, Generierung von Sprite-Maps („CSS-Sprites“), Grid/CSS-Frameworks (HTML5 Boilerplate, Blueprint) und mehr ...

# Installation - 1. Schritt

## Ruby

Windows:

- Ruby installieren ([rubyinstaller.org](http://rubyinstaller.org))

Mac:

- Ruby ist in der Regel vorinstalliert

Linux:

- Ruby ist standardmäßig nicht vorinstalliert, kann über Packagemanager oder über Source installiert werden

# Installation - 2. Schritt

Sass/SCSS oder Compass über gem installieren  
unter Windows, Linux und Mac

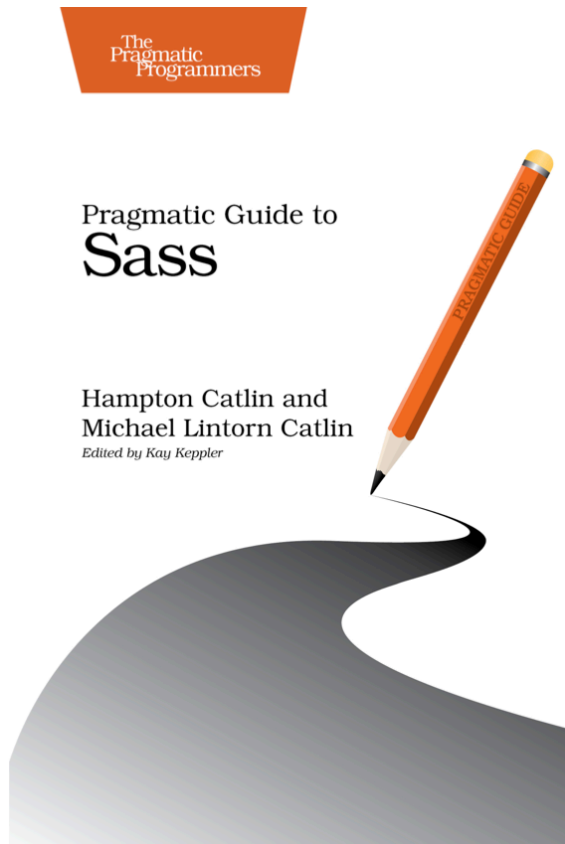
SCSS/Sass

```
> gem install sass
```

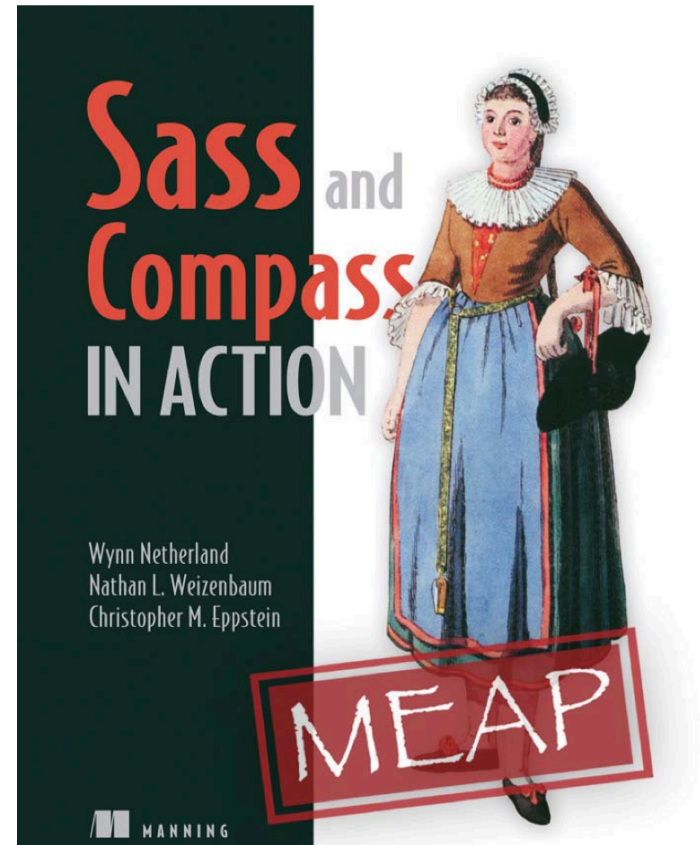
Compass installieren (SCSS/Scss wird mit installiert)

```
> gem install compass
```

# Bücher (Stand 03/2012)



Print und Ebook (PDF, epub, mobi)



Early Access Edition, fertig laut  
Verlag Mai 2012, Print- und Ebook  
(PDF)

# Danke

<https://github.com/denkwerk/MMT29>