

Sass, Compass

**DIE — Duplication Is
Evil**

```
.round {  
  border-radius: 10px;  
  -webkit-border-radius: 10px;  
  -moz-border-radius: 10px;  
  -o-border-radius: 10px;  
  -ms-border-radius: 10px;  
  -khtml-border-radius: 10px;  
}
```

SASS

SCSS

```
header{  
  text-align: center;  
  h2{  
    font-size: 48px;  
  }  
}
```

SASS

```
header  
  text-align: center  
  h2  
    font-size: 48px
```

SCSS — Sassy CSS

SASS — Syntactically Awesome Stylesheets

Ни былин,
ни эпосов,
ни эпопей.
Телеграммой
лети,
строфа!
Воспаленной губой
припади
и попей
из реки
по имени — "Факт".

В. Маяковский



A photograph of a man's head and neck from the back, wearing a green turtleneck sweater. A white speech bubble with a black outline is positioned over the right side of his head. Inside the speech bubble, the text "SCSS — обратная совместимость" is written in a bold, black, sans-serif font.

**SCSS — обратная
совместимость**

Каскадность


```
header
  background: black
h2
  font:
    weight: normal
    size: 48px

a
  color: blue
  &:hover
    text-decoration: none
  &::before
    content: "Sosiska"
```

```
header {
  background: black;
}
header h2 {
  font-weight: normal;
  font-size: 48px;
}

a {
  color: blue;
}
a:hover {
  text-decoration: none;
}
a::before {
  content: "Sosiska";
}
```

Переменные

```
$width: 500px  
$height: 400px
```

`.center-absolute`

```
background: #f2c98a  
width: $width  
height: $height  
position: absolute  
left: 50%  
top: 50%  
margin-top: -($height/2)  
margin-left: -($width/2)
```

```
$varclass: cahoona
```

```
.big-#{ $varclass }  
width: 2em
```

Примеси

```
@mixin font($size)
  font: $size Georgia, serif
```

```
h1
  +font(48px)
```

```
p
  +font(14px)
```

```
h1{
  font: 48px Georgia, serif;
```

```
}
```

```
p{
  font: 14px Georgia, serif;
```

```
}
```

Цвета

```
$color: #f00
```

```
.somebox
```

```
border: 1px solid $color
```

```
box-shadow: 0 0 3px darken($color, 10%),  
inset 1px 0 lighten($color, 40%)
```

```
.somebox {
```

```
border: 1px solid red;
```

```
box-shadow: 0 0 3px #cc0000, inset 1px 0 #ffcccc;
```

```
}
```


.somebox

```
background: rgba(#fff, 0.5)
```

.somebox {

```
background: rgba(255, 255, 255, 0.5);
```

```
}
```

rgb(\$red, \$green, \$blue)
rgba(\$red, \$green, \$blue, \$alpha)
rgba(\$color, \$alpha)
red(\$color)
green(\$color)
blue(\$color)
mix(\$color-1, \$color-2, [\$weight])

hsl(\$hue, \$saturation, \$lightness)
hsla(\$hue, \$saturation, \$lightness, \$alpha)
hue(\$color)
saturation(\$color)
lightness(\$color)
adjust-hue(\$color, \$degrees)
lighten(\$color, \$amount)
darken(\$color, \$amount)
saturate(\$color, \$amount)
desaturate(\$color, \$amount)
grayscale(\$color)
complement(\$color)
invert(\$color)

alpha(\$color) / opacity(\$color)
rgba(\$color, \$alpha)
opacify(\$color, \$amount) / fade-in(\$color, \$amount)
transparentize(\$color, \$amount) / fade-out(\$color, \$amount)

<http://sass-lang.com/docs/yardoc/Sass/Script/Functions.html>

@extend

`.food`

```
background-image: url(food-sprite.png)
```

`.food-bacon`

```
@extend .food  
background-position: 0 -10px  
width: 25px  
height: 10px
```

`.food-pizza`

```
@extend .food  
background-position: 0 -20px  
width: 45px  
height: 35px
```

```
.food, .food-bacon, .food-pizza{  
    background-image: url(food-sprite.png);  
}
```

```
.food-bacon{  
    background-position: 0 -10px;  
    width: 25px;  
    height: 10px;  
}
```

```
.food-pizza{  
    background-position: 0 -20px;  
    width: 45px;  
    height: 35px;  
}
```

@if, *@else*

```
@mixin color($type)
  @if $type == chocolate
    color: brown
  @else if $type == pizza
    color: red
  @else if $type == apple
    color: green
  @else
    color: black
```

```
.pizza
  +color(pizza)
```


@for, @while

```
@for $i from 1 through 3
  .item-#{ $i }
    width: 1em + $i
```

```
.item-1 {
  width: 2em;
}
```

```
.item-2 {
  width: 3em;
}
```

```
.item-3 {
  width: 4em;
}
```

@each

```
@each $color in red, green, gray
  .theme-#{ $color }
    background: $color
```

```
.theme-red{
  background: red;
}
```

```
.theme-green{
  background: green;
}
```

```
.theme-gray{
  background: gray;
}
```

@import

master.sass

```
@import "main.sass"  
@import "index.sass"  
@import "profile.sass"
```

master.css

main.css + index.css + profile.css





CSS



Sass



Compass

— Nathan Smith

Border-radius

```
.round  
  +border-radius ( 25px )
```

`.round`

`+border-radius(25px)`

`.round {`

`-webkit-border-radius: 25px;`

`-moz-border-radius: 25px;`

`-o-border-radius: 25px;`

`-ms-border-radius: 25px;`

`-khtml-border-radius: 25px;`

`border-radius: 25px;`

`}`

Box-shadow

`.shadow`

```
+box-shadow(0 0 4px #ccc)
```

`.shadow {`

```
-moz-box-shadow: 0 0 4px #cccccc;
```

```
-webkit-box-shadow: 0 0 4px #cccccc;
```

```
-o-box-shadow: 0 0 4px #cccccc;
```

```
box-shadow: 0 0 4px #cccccc;
```

```
}
```

Градиенты

`.gradient`

```
+background-image(linear-gradient(#fff, #ccc 30%, #bbb 70%, #aaa))
```

`.gradient {`

```
background-image: -webkit-gradient(linear, 50% 0%, 50% 100%, color-stop(0%, #ffffff),
color-stop(30%, #cccccc), color-stop(70%, #bbbbbb), color-stop(100%, #aaaaaa));
background-image: -webkit-linear-gradient(#ffffff, #cccccc 30%, #bbbbbb 70%, #aaaaaa);
background-image: -moz-linear-gradient(#ffffff, #cccccc 30%, #bbbbbb 70%, #aaaaaa);
background-image: -o-linear-gradient(#ffffff, #cccccc 30%, #bbbbbb 70%, #aaaaaa);
background-image: -ms-linear-gradient(#ffffff, #cccccc 30%, #bbbbbb 70%, #aaaaaa);
background-image: linear-gradient(#ffffff, #cccccc 30%, #bbbbbb 70%, #aaaaaa);
```

```
}
```

`.beauty-box`

```
+border-radius(25px)
+box-shadow(0 0 4px #ccc)
+background-image(linear-gradient(#fff, #ccc 30%, #bbb 70%, #aaa))
```

`.beauty-box {`

```
-webkit-border-radius: 25px;
-moz-border-radius: 25px;
-o-border-radius: 25px;
-ms-border-radius: 25px;
-khtml-border-radius: 25px;
border-radius: 25px;
-moz-box-shadow: 0 0 4px #cccccc;
-webkit-box-shadow: 0 0 4px #cccccc;
-o-box-shadow: 0 0 4px #cccccc;
box-shadow: 0 0 4px #cccccc;
background-image: -webkit-gradient(linear, 50% 0%, 50% 100%, color-stop(0%, #ffffff),
color-stop(30%, #cccccc), color-stop(70%, #bbbbbb), color-stop(100%, #aaaaaa));
background-image: -webkit-linear-gradient(#ffffff, #cccccc 30%, #bbbbbb 70%, #aaaaaa);
background-image: -moz-linear-gradient(#ffffff, #cccccc 30%, #bbbbbb 70%, #aaaaaa);
background-image: -o-linear-gradient(#ffffff, #cccccc 30%, #bbbbbb 70%, #aaaaaa);
background-image: -ms-linear-gradient(#ffffff, #cccccc 30%, #bbbbbb 70%, #aaaaaa);
background-image: linear-gradient(#ffffff, #cccccc 30%, #bbbbbb 70%, #aaaaaa);
```

```
}
```

Еще примеси

Background Clip

Background Origin

Background Size

Box

Box Sizing

Columns

Clearfix

Font Face

Inline Block

Opacity

Transition

Transform

<http://compass-style.org/reference/compass/css3/>

Спрайты



fb.png



vk.png



twi.png

```
$sprite: sprite-map("ico/*.png")
```

```
.fb
```

```
background: sprite($sprite, fb)
```

```
.vk
```

```
background: sprite($sprite, vk)
```

```
.twi
```

```
background: sprite($sprite, twi)
```



ico-s2e5fe71d31.png

```
.fb {  
  background: url('images/ico-s2e5fe71d31.png') 0 0px no-repeat;  
}  
.vk {  
  background: url('images/ico-s2e5fe71d31.png') 0 -41px no-repeat;  
}  
.twi {  
  background: url('images/ico-s2e5fe71d31.png') 0 -82px no-repeat;  
}
```

`.basebox`

```
background: inline-image( "pic.png" )
```

`.basebox {`

```
background: url( '...AASUVORK5CYII=' );
```

```
}
```

Config.rb

You can select your preferred output style here (can be overridden via the command line):

output_style = :expanded or :nested or :compact or :compressed

output_style = :compressed

УСТАНОВКА

Windows

1. <http://rubyinstaller.org/downloads/>
2. `gem install haml`
3. `gem install haml/edge`
4. `gem install compass`

Mac

1. `gem install haml`
2. `gem install haml/edge`
3. `gem install compass`

Linux

1. `sudo apt-get install ruby`
2. `gem install haml`
3. `gem install haml/edge`
4. `gem install compass`

Как это работает

`compass create <projectname>` - создает
compass-проект

`compass watch` - следит за изменениями в
sass-файлах и сразу компилирует их в CSS

Что почитать

<http://sass-lang.com/>

<http://compass-style.org/>

<http://chrisepstein.github.com/>

<http://nex-3.com/>

<http://thesassway.com/>

Спасибо
Вопросы?



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