SVG Sprites

in a nutshell

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HTML, JS & Styling

```html
<body>
<h1>SVG Sprites Demo</h1>

<p>Lupe: <i><svg><use
xmlns:xlink="http://www.w3.org/1999/xlink"
xlink:href="#glass"></use></svg></i></p>

<p>Schließen: <i class="rot"><svg><use
xmlns:xlink="http://www.w3.org/1999/xlink"
xlink:href="#close"></use></svg></i></p>

<p><button>im Button: <i><svg><use
xmlns:xlink="http://www.w3.org/1999/xlink"
xlink:href="#plus"></use></svg></i></button></p>

<p>Thinline: <i class="hover rot"><svg><use
xmlns:xlink="http://www.w3.org/1999/xlink"
xlink:href="#chat"></use></svg></i></p>
</body>
```

```html
<script>
fetch('icons_svgsprite.svg')
    .then((resp) => {
        return resp.text()
    })
    .then((data) => {
        console.log(data)
        const str = '<div id="svgicons"
style="display:none;"><?xml version="1.0">' + data +
'</div>'
        const html = new
DOMParser().parseFromString(str, 'text/html')
        console.log(html)
        document.body.prepend(html.body.firstChild)
    })
</script>


<style>
i svg { height: 40px; width: 40px; }
i.rot svg { fill: lightgreen; }
i.blau svg { fill: blue; }
i.hover:hover svg { fill: red; }
</style>
```

Init

```
package.json

{
  "name": "svg-sprites-demo",
  "description": "SVG-Sprites DEMO",
  "version": "0.1.0",
  "author": "Ronny <ronny@rh-flow.de>",
  "license": "MIT",
  "repository": {},
  "devDependencies": {
    "grunt": "^0.4.5",
    "grunt-cli": "^0.1.13",
    "grunt-svgstore": "^0.5.0",
    "grunt-contrib-watch": "^0.6.1"
  }
}
```

```
Gruntfile.js

module.exports = function(grunt) {
  grunt.initConfig({
    svgstore: {
      icons: {
        files: {
          'icons_svgsprite.svg': 'icons/*.svg'
        }}},
    watch: {
      svgstore: {
        files: ['icons/*.svg'],
        tasks: ['svgstore']
        }}
  });
  grunt.loadNpmTasks('grunt-svgstore');
  grunt.loadNpmTasks('grunt-contrib-watch');
  grunt.registerTask('default', ['svgstore']);
};
```
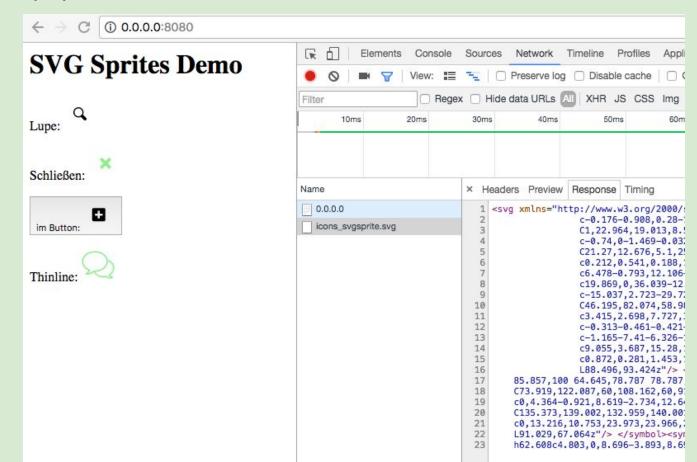
Build

```
grunt --verbose
Running "svgstore:icons" (svgstore) task
Verifying property svgstore.icons exists in
config...OK
Files: icons/close.svg, icons/glass.svg,
icons/plus.svg -> icons_svgsprite.svg
Options: prefix="",
svg={"xmlns":"http://www.w3.org/2000/svg"}
symbol={}, formatting=false, includedemo=false,
inheritviewbox=false, cleanupdefs=false,
convertNameToId=undefined, fixedSizeVersion=false,
externalDefs=false, includeTitleElement,
preserveDescElement
Reading icons/close.svg..OK
Reading icons/glass.svg..OK
Reading icons/plus.svg..OK
Writing icons_svgsprite.svg..OK
File icons_svgsprite.svg created.
```

```
icons_svgsprite.svg

<svg xmlns="http://www.w3.org/2000/svg"><symbol
viewBox="0 0 200 200" id="close"><title>close</title>
<polygon points="135.355,78.787 114.142,100
135.355,121.213 121.213,135.355 100,114.143
78.787,135.355 64.645,121.213
    85.857,100 64.645,78.787 78.787,64.645 100,85.857
121.213,64.645 "/> </symbol><symbol viewBox="0 0 200
200" id="glass"><title>glass</title> <path
d="M130.396,140.001c-2.544,0-4.954-1.004-6.788-2.827l-1
8.447-18.469l-1.439,0.643c-4.063,1.818-8.333,2.739-12.6
93,2.739 [..]</symbol></svg>
```

Gulp: jkphl/gulp-svg-sprite Brunch: thomas-gordon/svg-sprite-brunch Webpack: kisenka/svg-sprite-loader

Start

`php55 -S 0.0.0.0:8080`

Danke

Github: ronnyhartenstein/svg-sprites-demo
Shipped: www.sparkasse-chemnitz.de
Kontakt: @rhflow_de

fetch API https://www.heise.de/developer/artikel/AJAX-aber-einfacher-Die-neue-Fetch-API-2642427.html

ParseDOM API http://garystorey.com/2017/02/27/three-ways-to-create-dom-elements-without-jquery/