



Next Level SVGs

How to enable great SVG usage without much work
from designers or devs

Contents

- How does an SVG work?
- SVG usage in web and its problems
- Introduction to SVG Chameleon

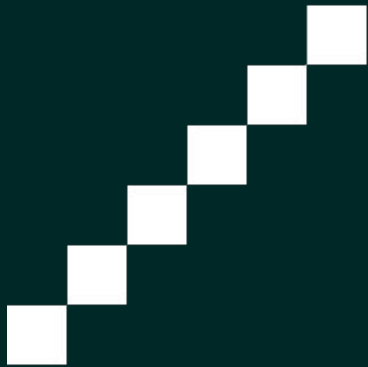
Scalable Vector Graphic

PNG



SVG

Bitmap



x_1, y_1



x_2, y_2

Vector



```
<svg
  xmlns="http://www.w3.org/2000/svg"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  width="100"
  height="100"
>
  <circle
    cx="50"
    cy="50"
    r="40"
    stroke="white"
    stroke-width="4"
    fill="#007B74"
  />
</svg>
```





```
<svg
  xmlns="http://www.w3.org/2000/svg"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  width="100"
  height="100"
>
  <circle
    cx="50"
    cy="50"
    r="40"
    stroke="white"
    stroke-width="4"
    fill="#007B74"
  />
</svg>
```



fill="#7B0034"



r="20"



stroke-width="1"



```
<svg
  xmlns="http://www.w3.org/2000/svg"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  width="200"
  height="200"
>
  <circle
    class="circle"
    cx="50"
    cy="50"
    r="40"
    stroke="white"
    stroke-width="4"
  />
</svg>
```

```
.circle {
  fill: #007B73;
}
```



Only works with inline SVG!

``
cannot be styled by CSS!

```
<svg
  xmlns="http://www.w3.org/2000/svg"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  width="200"
  height="200"
>
  <circle
    class="circle"
    cx="50"
    cy="50"
    r="40"
    stroke="white"
    stroke-width="4"
  />
</svg>
```

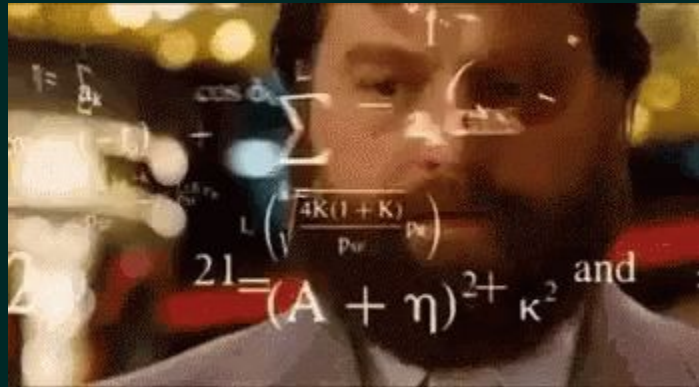
```
.circle {
  fill: #007B73;
}
```

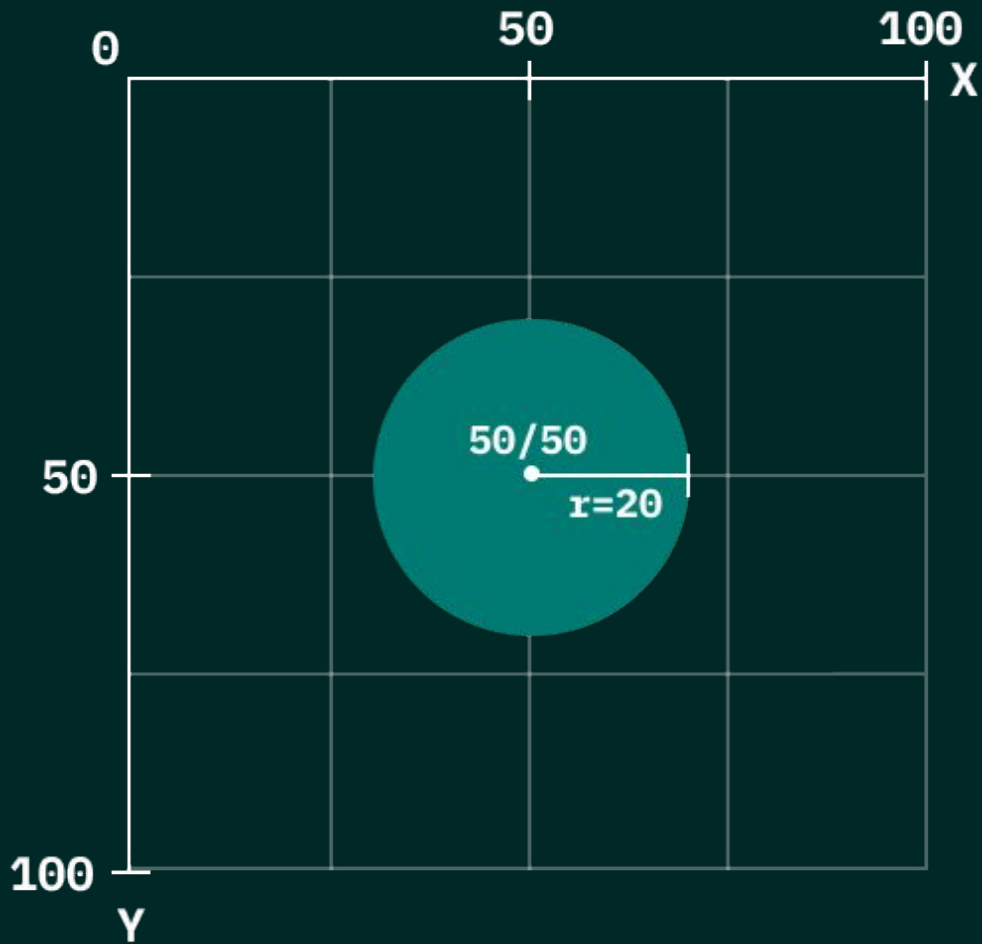


Only works with inline SVG!

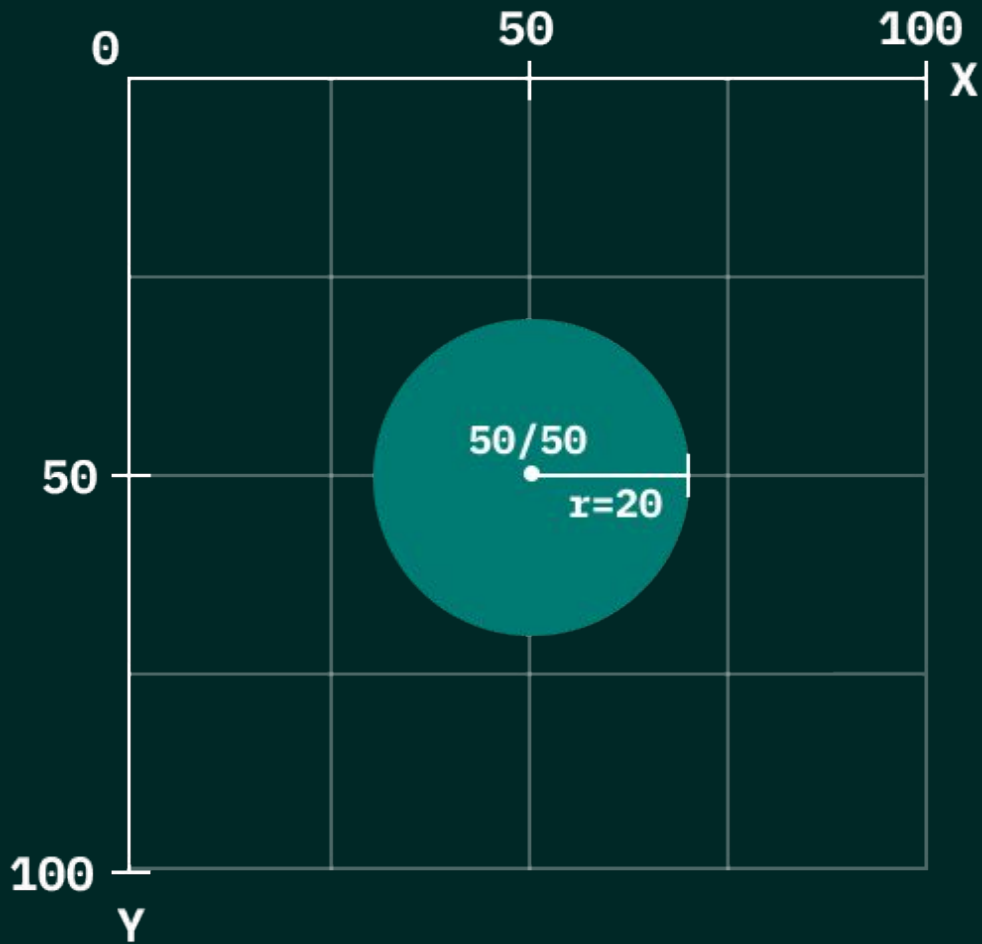
``
cannot be styled by CSS!

SVG coordinate system & viewBox

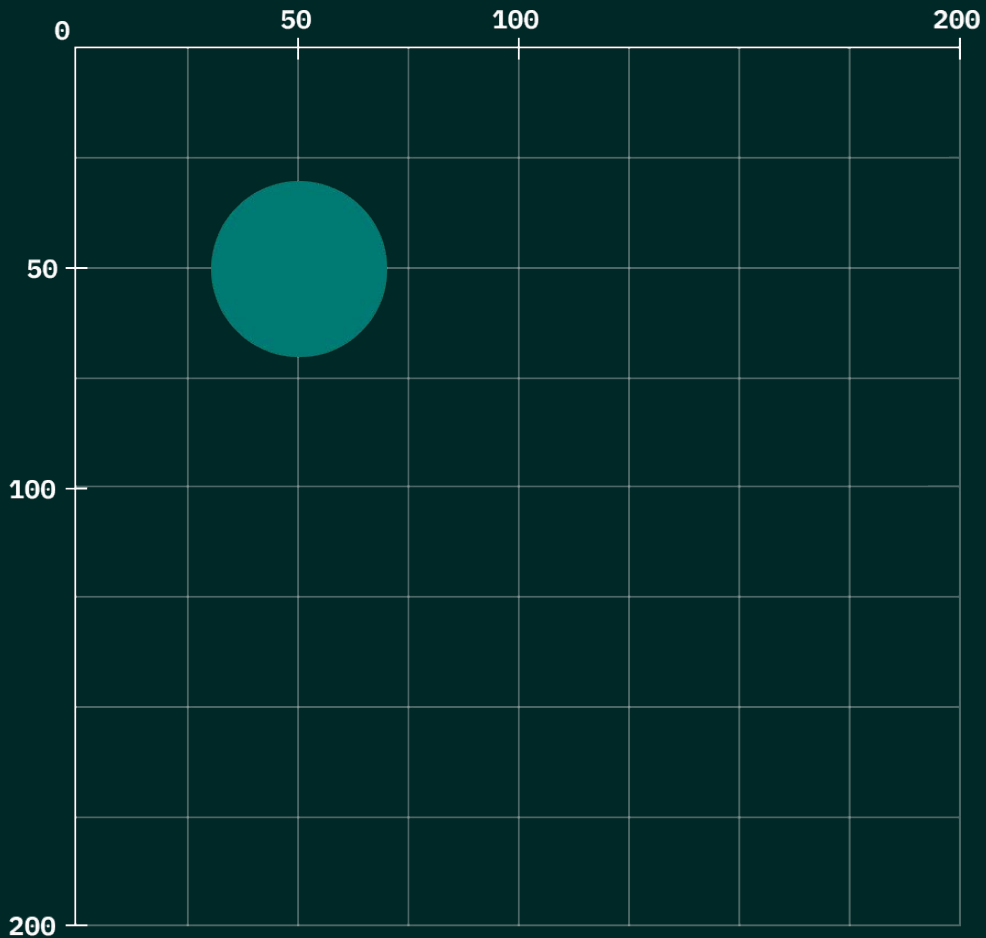




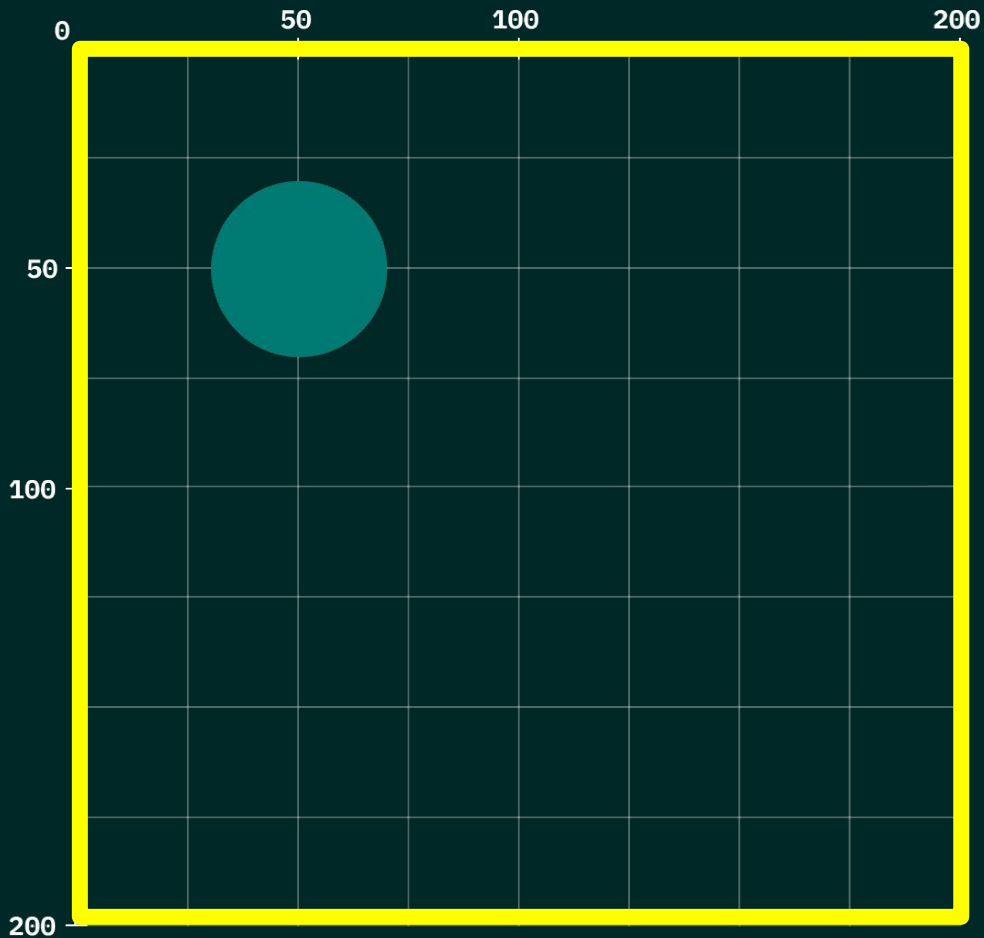
```
<svg
  xmlns="http://www.w3.org/2000/svg"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  width="100"
  height="100"
>
  <circle
    cx="50"
    cy="50"
    r="20"
    fill="#007B74"
  />
</svg>
```



```
<svg
  xmlns="http://www.w3.org/2000/svg"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  width="100"
  height="100"
  >
  <circle
    cx="50"
    cy="50"
    r="20"
    fill="#007B74"
  />
</svg>
```



```
<svg
  xmlns="http://www.w3.org/2000/svg"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  width="200"
  height="200"
  >
  <circle
    cx="50"
    cy="50"
    r="20"
    fill="#007B74"
  />
</svg>
```



← Viewport 200x200 (px)

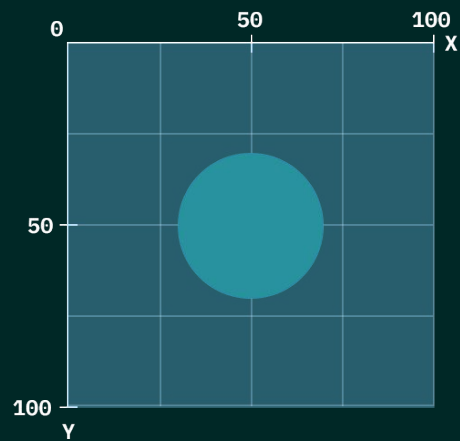
```
<svg
  xmlns="http://www.w3.org/2000/svg"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  width="200"
  height="200"
  >
  <circle
    cx="50"
    cy="50"
    r="20"
    fill="#007B74"
  />
</svg>
```



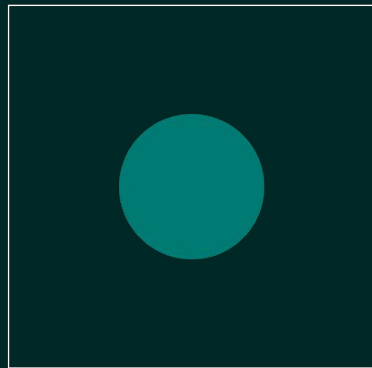
← Viewport ca. 40x40cm

How do I scale an SVG then?

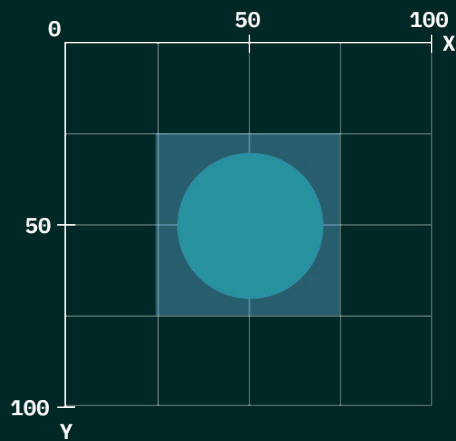
viewBox="0 0 100 100"



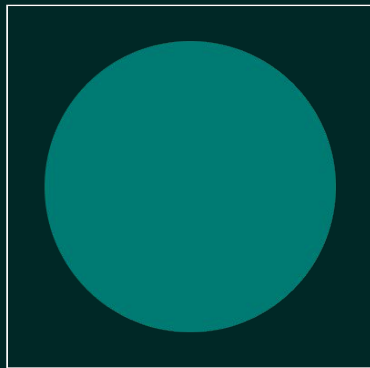
`<svg width="100" height="100" [...]>`



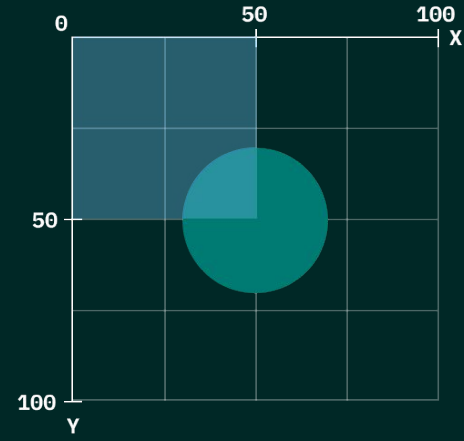
viewBox="25 25 50 50"



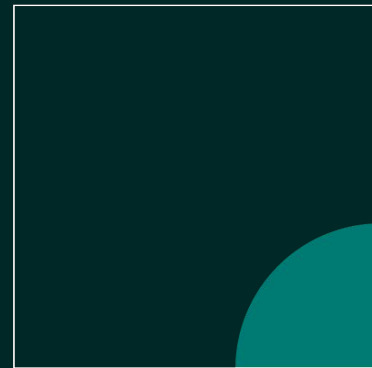
`<svg width="100" height="100" [...]>`



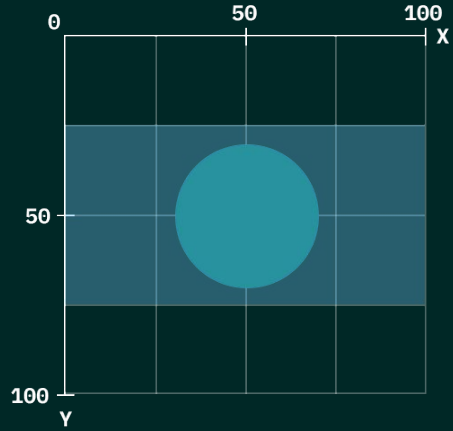
viewBox="0 0 50 50"



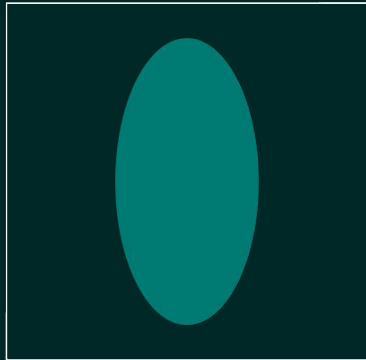
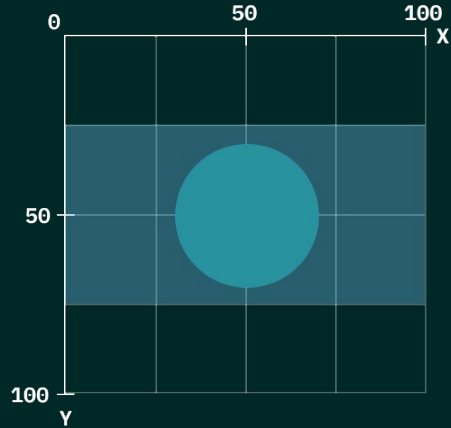
`<svg width="100" height="100" [...]>`



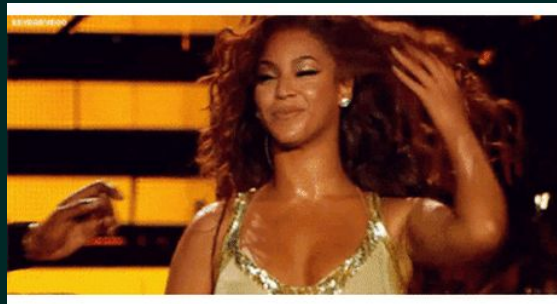
`viewBox="0 25 100 50"`



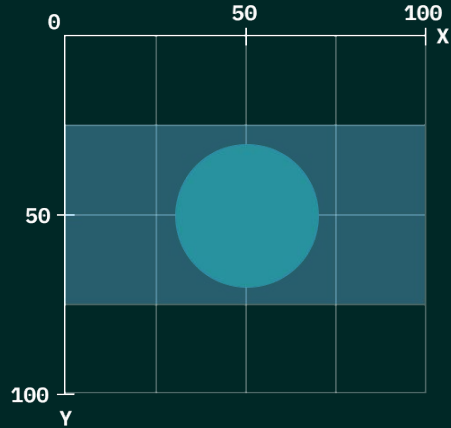
`viewBox="0 25 100 50"`



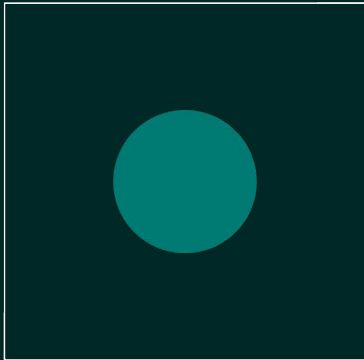
easy, right?



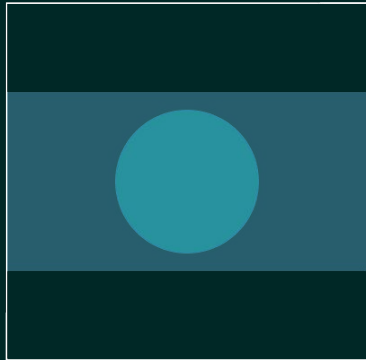
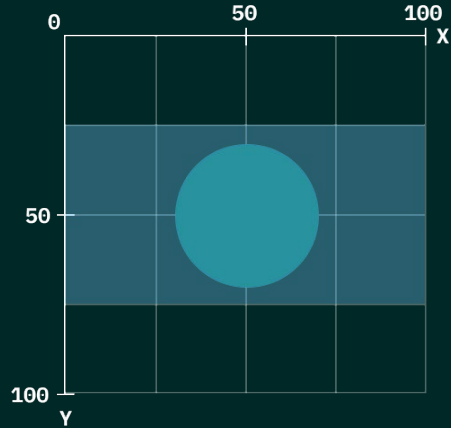
`viewBox="0 25 100 50"`



yeah, no. not quite...



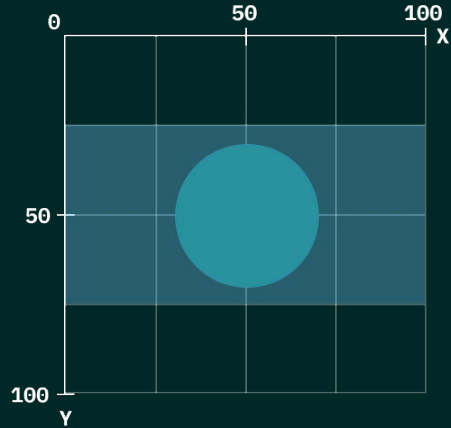
viewBox="0 25 100 50"



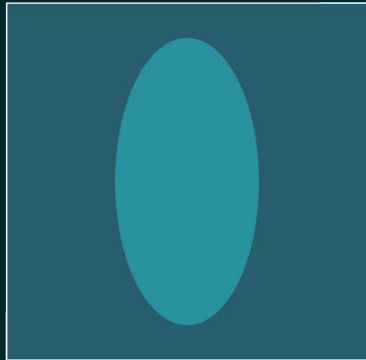
preserveAspectRatio="xMidYMid meet"

(default)

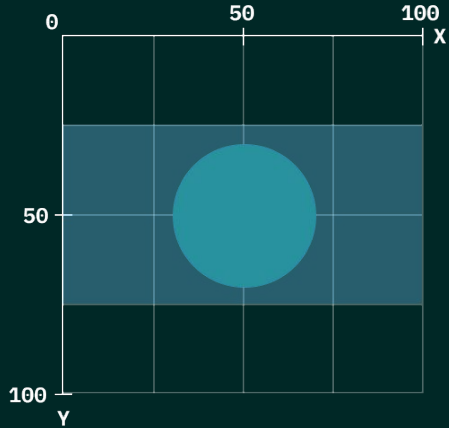
`viewBox="0 25 100 50"`



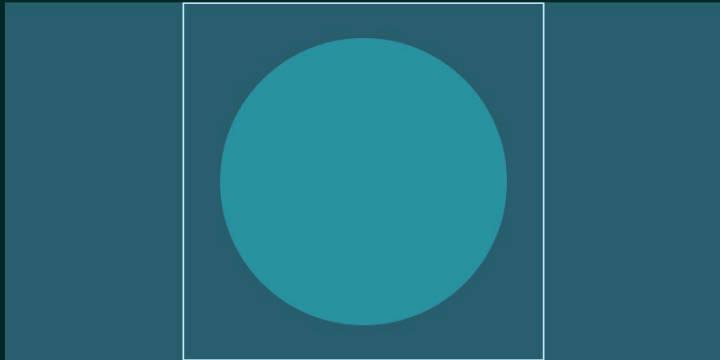
`preserveAspectRatio="none"`



`viewBox="0 25 100 50"`

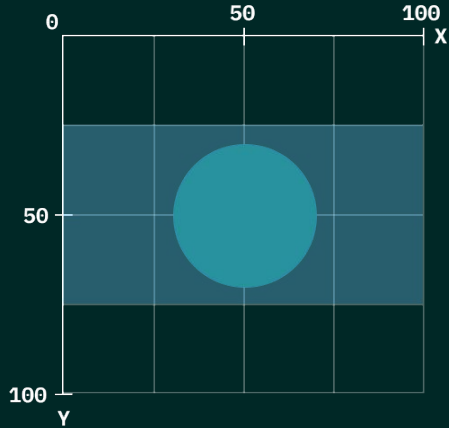


`preserveAspectRatio="xMidYMid slice"`

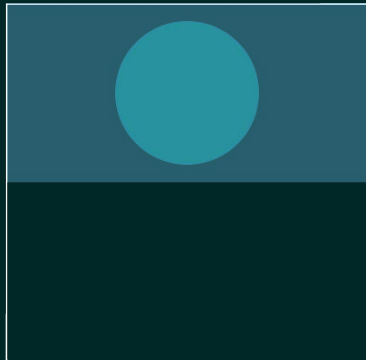


Rule of thumb:
meet = contain
slice = cover

`viewBox="0 25 100 50"`

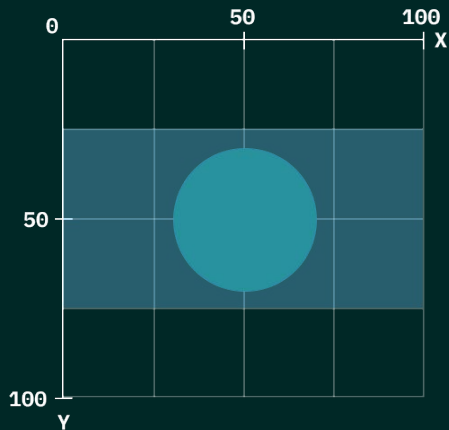


`preserveAspectRatio="xMidYMin meet"`

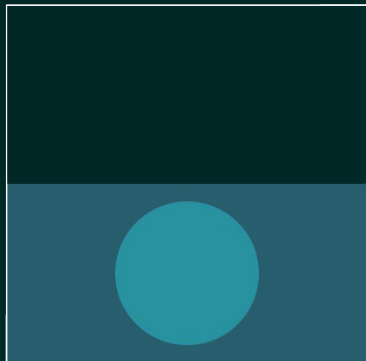


Rule of thumb:
xMin = align left
YMin = align top

`viewBox="0 25 100 50"`



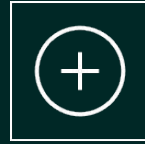
`preserveAspectRatio="xMidYMax meet"`



Rule of thumb:
xMax = align right
YMax = align bottom

Normal use case

Just set the viewBox to the SVG dimensions to make it scalable.



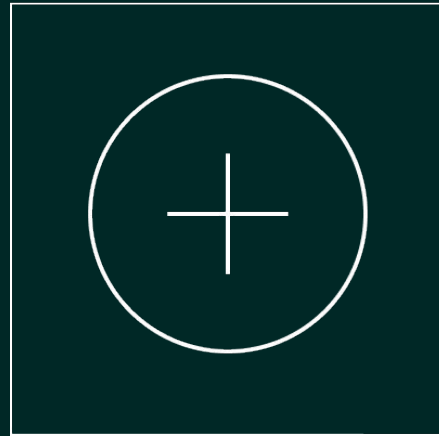
Problem with stroke-widths



Browser

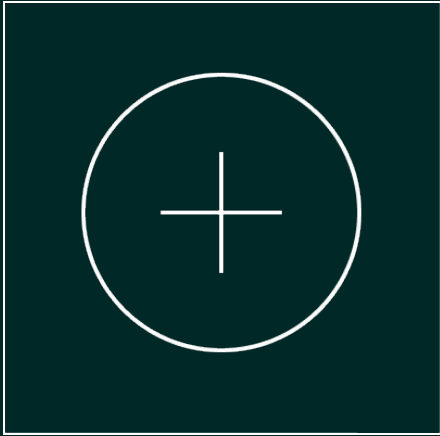


Design-Tool





vector-effect="non-scaling-stroke"



must be set on tag that actually has the stroke.

Only works for “real” strokes, not clipped fill paths.



```
<svg
  xmlns="http://www.w3.org/2000/svg"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  width="200"
  height="200"
  viewBox="0 0 100 100"
>
  <circle
    class="circle"
    cx="50"
    cy="50"
    r="40"
    stroke="white"
    stroke-width="4"
    vector-effect="non-scaling-stroke"
    fill="#007B74"
  />
</svg>
```

Let's be real here...

```
ding="utf-8"?>  
lustrator 18.0.0, SVG Export Plug-In . SVG Version: 6.00 Build 0  
/W3C//DTD SVG 1.1//EN" "http://www.w3.org/Graphics/SVG/1.1/DTD/svg11.d  
roximo" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.c  
nable-background="new 0 0 64 64" xml:space="preserve">
```

```
BD" points="26.74709,42.5787 18,35.9679 28.77049,35.9679 31.99459,25.97  
0.50249,52.9479 31.98629,46.623 23.48329,52.9731  "/>
```

```
d="M14.07715,63.98779c-0.20361,0-0.40771-0.06201-0.58154-0.18652  
0.50293-0.70264-0.37158-1.1157216.63086-20.895511-17.354-12.97705  
0.48584-0.70752-0.34961-1.11621C2.18701,27.28809,2.56934,27.01221,3,27.  
31.56738,6.01221,32,6.01221s0.81641,0.27832,0.95068,0.6899416.62109,20.  
,0.27588,0.94873,0.68408c0.13623,0.40869-0.00488,0.8584-0.34961,1.11671  
0.01758,0.86328-0.36914,1.11621c-0.35205,0.25244-0.82568,0.25-
```

```
C14.49512,63.92236,14.28613,63.98779,14.07715,63.98779z M6.000  
.48291,0.69775,0.354,1.103031-5.91309,18.6333115.44287-11.411:  
.8335-0.26025,1.18652-0.00146115.44385,11.349121-5.91162-18.51  
0.0127-0.84912,0.35352-1.10449115.51709-11.61377H38.84619c-0.  
551,18.08398c-0.13428,0.41162-0.51758,0.68994-0.95068,0.689941
```

```
d="M23.4834,50.97314c-0.20264,0-0.40479-0.06152-0.57861-0.18  
0.50537-0.70166-0.37549-1.1152313.05273-9.722171-8.18506-6.181  
0.48193-0.7085-0.34521-1.11572c0.13672-0.40771,0.51855-0.6821:  
51758-0.69287,0.95166-0.69287s0.81836,0.27979,0.95166,0.69287  
,0.27441,0.94824,0.68164c0.13672,0.40771-0.00244,0.85645-0.34  
.02051,0.86377-0.37354,1.11523c-0.35352,0.25146-0.82959,0.2461
```

```
<?xml version="1.0" encoding="utf-8"?>  
<!-- Generator: Adobe Illustrator 22.1.0, SVG Export Plug-In . SVG Version: 6.00 Build 0  
<svg version="1.1" id="Ebene_1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://ww  
width="64px" height="64px" viewBox="0 0 64 64" style="enable-background:new 0 0 64 64;  
<style type="text/css">  
.st0{fill-rule:evenodd;clip-rule:evenodd;fill:#F2F2F2;}  
.st1{fill:#4A4A4A;}  
.st2{fill:#B3B3B3;}  
.st3{fill:none;stroke:#4A4A4A;stroke-width:2;stroke-linecap:round;stroke-linejoin:round  
.st4{fill:none;stroke:#4A4A4A;stroke-width:2;stroke-miterlimit:10;}  
</style>
```

```
<g>  
<g>  
<line class="st4" x1="19.006" y1="33.539" x2="24.051" y2="33.539"/>  
<line class="st4" x1="32.829" y1="33.539" x2="43.341" y2="33.539"/>  
<line class="st4" x1="31.173" y1="43.648" x2="31.173" y2="54.796"/>  
<line class="st4" x1="23.699" y1="54.796" x2="38.648" y2="54.796"/>
```

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>  
<svg width="38px" height="48px" viewBox="0 0 38 48" version="1.1" xmlns="http://ww  
<!-- Generator: Sketch 3.7.2 (28276) - http://www.bohemiancoding.com/sketch -->  
<title>stackoverflow-color</title>  
<desc>Created with Sketch.</desc>  
<defs></defs>  
<g id="Icons" stroke="none" stroke-width="1" fill="none" fill-rule="evenodd">  
<g id="Color-" transform="translate(-807.000000, -952.000000)">  
<g id="stackoverflow" transform="translate(807.000000, 952.000000)">  
<path d="M25.0860128,41.5922927 L5.97459514,41.6011499 L5.9729497:  
<polygon id="stackoverflow-icon-path" fill="#BEBBCB" points="28.3:  
</g>  
</g>  
</svg>
```

Let's be real here...

```
ding="utf-8"?>  
lustrator 18.0.0, SVG Export Plug-In . SVG Version: 6.00 Build 0) -->  
/W3C//DTD SVG 1.1//EN" "http://www.w3.org/Graphics/SVG/1.1/DTD/svg11.d  
roximo" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.c  
nable-background="new 0 0 64 64" xml:space="preserve">
```

```
?xml version="1.0" encoding="utf-8"?>  
<!-- Generator: Adobe Illustrator 22.1.0, SVG Export Plug-In . SVG Version: 6.00 Build 0  
<svg version="1.1" id="Ebene_1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://ww  
width="64px" height="64px" viewBox="0 0 64 64" style="enable-background:new 0 0 64 64;  
<style type="text/css">  
.st0{fill-rule:evenodd;clip-rule:evenodd;fill:#F2F2F2;}  
.st1{fill:#4A4A4A;}  
-st0{fill:#B8B8B8;}
```

```
BD" points="26.74709,42.5787 18,35.9679 28.77049,35  
0.50249,52.9479 31.98629,46.623 23.48329,52.9731
```



```
d="M14.07715,63.98779c-0.20361,0-0.40771-0.06201-0  
0.50293-0.70264-0.37158-1.11572l6.63086-20.89551l-1  
0.48584-0.70752-0.34961-1.11621c2.18701,27.28809,2.  
31.56738,6.01221,32,6.01221s0.81641,0.27832,0.95068  
,0.27588,0.94873,0.68408c0.13623,0.40869-0.00488,0.  
0.01758,0.86328-0.36914,1.11621c-0.35205,0.25244-0.8  
C14.49512,63.92236,14.28613,63.98779,14.07715,63.98  
.48291,0.69775,0.354,1.10303l-5.91309,18.6333l15.44  
.8335-0.26025,1.18652-0.00146l15.44385,11.34912l-5.  
0.0127-0.84912,0.35352-1.10449l15.51709-11.61377H38  
551,18.08398c-0.13428,0.41162-0.51758,0.68994-0.950
```

```
stroke-width:2;stroke-linecap:round;stroke-linejoin:round  
stroke-width:2;stroke-miterlimit:10;}
```

```
="33.539" x2="24.051" y2="33.539"/>  
="33.539" x2="43.341" y2="33.539"/>  
="43.648" x2="31.173" y2="54.796"/>  
="54.796" x2="38.648" y2="54.796"/>  
="no"?> -1.544V15.91c0-3.70  
48" version="1.1" xmlns="http://ww  
://www.bohemiancoding.com/sketch --06,6.706H25.712c-0.
```

```
d="M23.4834,50.97314c-0.20264,0-0.40479-0.06152-0.57861-0.18  
0.50537-0.70166-0.37549-1.11523l3.05273-9.72217l-8.18506-6.18l  
0.48193-0.7085-0.34521-1.11572c0.13672-0.40771,0.51855-0.6821  
51758-0.69287,0.95166-0.69287s0.81836,0.27979,0.95166,0.69287  
,0.27441,0.94824,0.68164c0.13672,0.40771-0.00244,0.85645-0.34  
.02051,0.86377-0.37354,1.11523c-0.35352,0.25146-0.82959,0.246l
```

```
<g id="stackoverflow" transform="translate(807.000000, 952.000000)">  
<path d="M25.0860128,41.5922927 L5.97459514,41.6011499 L5.9729497:  
<polygon id="stackoverflow-icon-path" fill="#BEBBCB" points="28.3:  
</g>  
</g>
```

Problems with SVGs

- Nobody wants to deal with your messy Illustrator-Export

Problems with SVGs

- Nobody wants to deal with your messy Illustrator-Export
- Implementing a complex SVG directly in your HTML is not practical

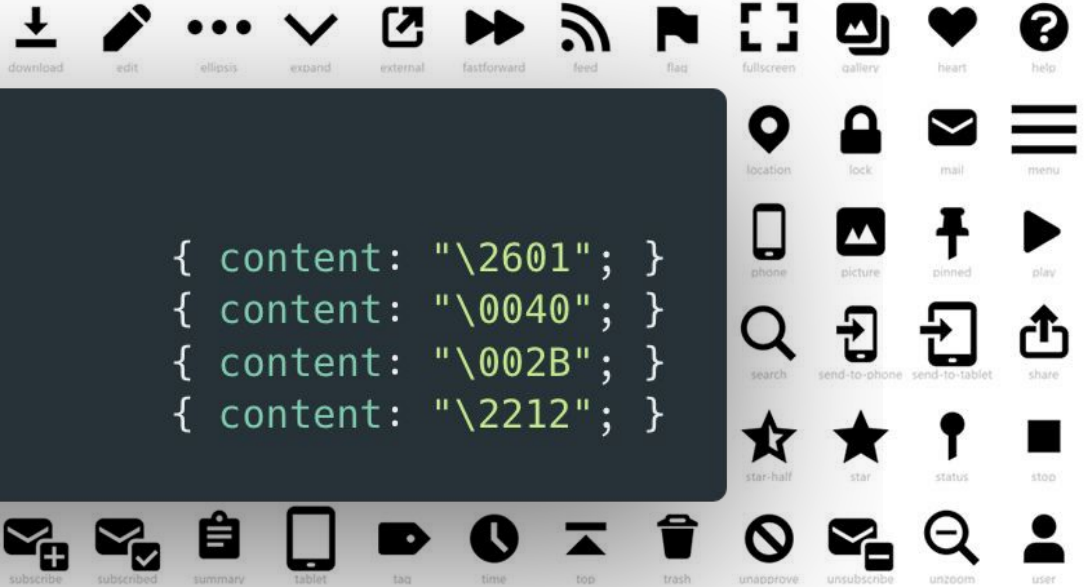
Problems with SVGs

- Nobody wants to deal with your messy Illustrator-Export
- Implementing a complex SVG directly in your HTML is not practical
- Loading the SVGs from external files has two problems:
 - Potentially a lot of requests (if you use dozens of SVGs on a single page)
 - Loss of customizability

Solution: Icon Font

```
.icon-cloud:before  
.icon-at:before  
.icon-plus:before  
.icon-minus:before
```

```
{ content: "\2601"; }  
{ content: "\0040"; }  
{ content: "\002B"; }  
{ content: "\2212"; }
```



Solution: Icon Font

- + Implemented like a webfont
- + Colorable via CSS
- Styling is weird (font-size, line-height, ...)
- Only single colored
- Hard to maintain

```
.icon-cloud:before { content: "\2601"; }  
.icon-at:before   { content: "\0040"; }  
.icon-plus:before { content: "\002B"; }  
.icon-minus:before { content: "\2212"; }
```

Solution: SVG Sprite (Symbol Sprite)

```
• • •  
  
<svg xmlns="http://www.w3.org/2000/svg" width="32" height="32">  
  <use href="assets/icon-sprite.svg#arrow-right" />  
</svg>
```

```
• • •  
  
<svg>  
  <symbol id="arrow-right">  
    // the actual SVG code  
  </symbol>  
  <symbol id="some-other-icon">  
    // the actual SVG code  
  </symbol>  
</svg>
```

Solution: SVG Sprite (Symbol Sprite)

- + Only 1 resource is loaded
- + Easy to maintain
- + (Kind of) inline
- Styling still problematic (shadow DOM, inline-styles from exports,...)
- only really colorable via “currentColor” (single color)

```
<svg xmlns="http://www.w3.org/2000/svg" width="32" height="32">  
  <use href="assets/icon-sprite.svg#arrow-right" />  
</svg>
```

```
<div class="my-svg-wrapper">
  <svg
    xmlns="http://www.w3.org/2000/svg"
    xmlns:xlink="http://www.w3.org/1999/xlink"
    width="100"
    height="100"
    viewBox="0 0 100 100"
  >
    <circle
      cx="50"
      cy="50"
      r="20"
      fill="currentColor"
    />
  </svg>
</div>
```

```
.my-svg-wrapper{
  color: #FFE973;
}
```







```
<svg (pseudo)>  
  <stars-foreground fill="white" />  
  <stars-background fill="#007B74" />  
</svg>
```





```
<svg (pseudo)>
  <stars-foreground fill="currentColor" />
  <stars-background fill="#007B74" />
</svg>
```



```
.some-wrapper {
  color: #FFE873;
}
```





```
<svg (pseudo)>
  <stars-foreground fill="var(--foreground-color)" />
  <stars-background fill="var(--background-color)" />
</svg>
```



```
.some-wrapper {
  --foreground-color: #FFE873;
  --background-color: #7B0034;
}
```





```
<svg (pseudo)>
  <stars-foreground fill="var(--foreground-color, white)" />
  <stars-background fill="var(--background-color, #007B74)" />
</svg>
```



```
.some-wrapper {
  --background-color: #7B0034;
}
```





```
<svg (pseudo)>
  <stars-foreground fill="var(--foreground-color, var(--fallback-var, white))" />
  <stars-background fill="var(--background-color, #007B74)" />
</svg>
```



```
.some-wrapper {
  --fallback-var: #FFE873;
  --background-color: #7B0034;
}
```



Let's remember..

```
ding="utf-8"?>  
lustrator 18.0.0, SVG Export Plug-In . SVG Version: 6.00 Build 0) -->  
/W3C//DTD SVG 1.1//EN" "http://www.w3.org/Graphics/SVG/1.1/DTD/svg11.dtd"  
roximo" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/2000/svg" style="enable-background="new 0 0 64 64" xml:space="preserve">
```

```
BD" points="26.74709,42.5787 18,35.9679 28.77049,35.9679 31.99459,25.97  
0.50249,52.9479 31.98629,46.623 23.48329,52.9731  " />
```

```
d="M14.07715,63.98779c-0.20361,0-0.40771-0.06201-0.58154-0.18652  
0.50293-0.70264-0.37158-1.1157216.63086-20.895511-17.354-12.97705  
0.48584-0.70752-0.34961-1.11621C2.18701,27.28809,2.56934,27.01221,3,27.  
31.56738,6.01221,32,6.01221s0.81641,0.27832,0.95068,0.6899416.62109,20.  
,0.27588,0.94873,0.68408c0.13623,0.40869-0.00488,0.8584-0.34961,1.11671  
.01758,0.86328-0.36914,1.11621c-0.35205,0.25244-0.82568,0.25-1.544V15.91c0-3.70
```

```
C14.49512,63.92236,14.28613,63.98779,14.07715,63.98779z M6.00000,0.00000  
.48291,0.69775,0.354,1.103031-5.91309,18.6333115.44287-11.41111  
.8335-0.26025,1.18652-0.00146115.44385,11.349121-5.91162-18.51162  
0.0127-0.84912,0.35352-1.10449115.51709-11.61377H38.84619c-0.00000,  
551,18.08398c-0.13428,0.41162-0.51758,0.68994-0.95068,0.68994
```

```
d="M23.4834,50.97314c-0.20264,0-0.40479-0.06152-0.57861-0.18652  
0.50537-0.70166-0.37549-1.1152313.05273-9.722171-8.18506-6.18506  
0.48193-0.7085-0.34521-1.11572c0.13672-0.40771,0.51855-0.68211  
51758-0.69287,0.95166-0.69287s0.81836,0.27979,0.95166,0.69287  
,0.27441,0.94824,0.68164c0.13672,0.40771-0.00244,0.85645-0.34521  
.02051,0.86377-0.37354,1.11523c-0.35352,0.25146-0.82959,0.24611
```

```
<?xml version="1.0" encoding="utf-8"?>  
<!-- Generator: Adobe Illustrator 22.1.0, SVG Export Plug-In . SVG Version: 6.00 Build 00000 -->  
<svg version="1.1" id="Ebene_1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/2000/xlink" width="64px" height="64px" viewBox="0 0 64 64" style="enable-background:new 0 0 64 64;">  
<style type="text/css">  
  .st0{fill-rule:evenodd;clip-rule:evenodd;fill:#F2F2F2;}  
  .st1{fill:#4A4A4A;}  
  .st2{fill:#B3B3B3;}  
  .st3{fill:none;stroke:#4A4A4A;stroke-width:2;stroke-linecap:round;stroke-linejoin:round;}  
  .st4{fill:none;stroke:#4A4A4A;stroke-width:2;stroke-miterlimit:10;}  
</style>
```

```
<g>  
<g>  
  <line class="st4" x1="19.006" y1="33.539" x2="24.051" y2="33.539"/>  
  <line class="st4" x1="32.829" y1="33.539" x2="43.341" y2="33.539"/>  
  <line class="st4" x1="31.173" y1="43.648" x2="31.173" y2="54.796"/>  
  <line class="st4" x1="23.699" y1="54.796" x2="38.648" y2="54.796"/>  
</g>  
</g>
```

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>  
<svg width="38px" height="48px" viewBox="0 0 38 48" version="1.1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/2000/xlink">  
<!-- Generator: Sketch 3.7.2 (28276) - http://www.bohemiancoding.com/sketch -->  
<title>stackoverflow-color</title>  
<desc>Created with Sketch.</desc>  
<defs></defs>  
<g id="Icons" stroke="none" stroke-width="1" fill="none" fill-rule="evenodd">  
  <g id="Color-" transform="translate(-807.000000, -952.000000)">  
    <g id="stackoverflow" transform="translate(807.000000, 952.000000)">  
      <path d="M25.0860128,41.5922927 L5.97459514,41.6011499 L5.9729497,41.6011499 L25.0860128,41.5922927 Z" fill="#BEBBCB" />  
    </g>  
  </g>  
</g>  
</svg>
```

SVG Chameleon

<https://github.com/christian-reichert/svg-chameleon>

- Command Line Tool (Node module)
- Creates SVG symbol sprite (using svg-sprite)
- Injects CSS variables into colors & stroke-widths
- Additional features (explained later)



```
→ multi-color-svg git:(master) x npx svg-chameleon --path=src/assets/svg/  
Creating basic sprite inside '/Users/christianr/Work/multi-color-svg/src/assets/  
svg/chameleon-sprite/' ...  
10 SVGs found.  
Basic sprite created.  
-----  
Modifying the sprite to become an adaptable chameleon...  
-----  
17 color var injections into attributes.  
6 stroke-width var injections into attributes.  
-----  
Task complete!
```

✓ src

✓ assets

✓ svg

✓ chameleon-sprite

📁 chameleon-sprite.svg

📁 celebration-door-star.svg

📁 celebration-easter-egg.svg

📁 communication-mic-off.svg

📁 icon-26-filter.svg

📁 kitchen-cherry.svg

📁 social-media-android 1.svg

📁 ui-arrow-right.svg

📁 wordpress-color.svg

How the variables work (default)



`fill="var(--svg-custom-color, #FFFFFF)"`



`fill="var(--svg-custom-color-2, #007B74)"`

How the variables work (default)



`fill="var(--svg-custom-color, #FFFFFF)"`



`fill="var(--svg-custom-color-2, #007B74)"`



`fill="var(--svg-custom-color, #FF810F)"`



`fill="var(--svg-custom-color-2, #BEBBCB)"`

Custom var mapping

```
→ multi-color-svgs git:(master) x npx svg-chameleon --path=src/assets/svg/ --c-custom-vars='#007B74:my-primary-color'
```



fill="var(--svg-custom-color, #FFFFFF)"



fill="var(--my-primary-color, var(--svg-custom-color-2, #007B74))"

Additional features

- If enabled, **vector-effect="non-scaling-stroke"** is set on each tag that includes a stroke-width attribute

Additional features

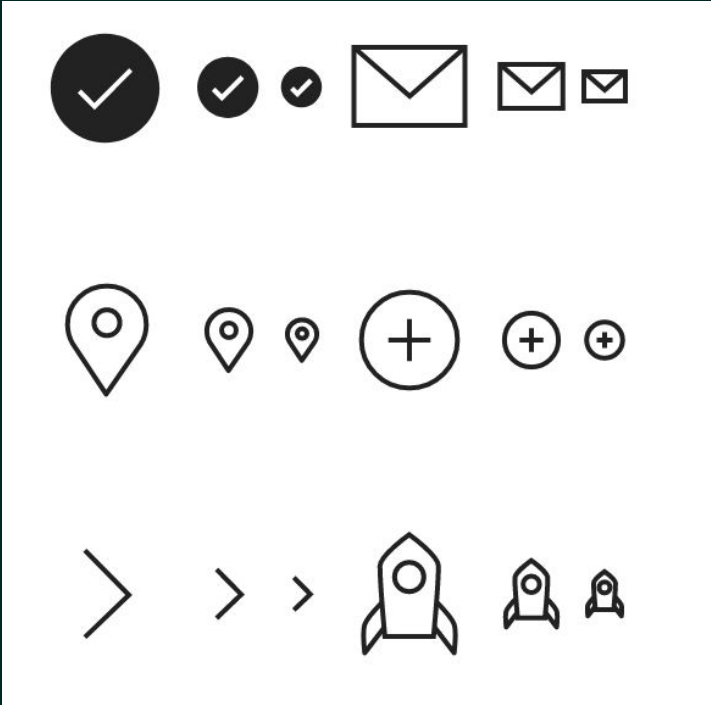
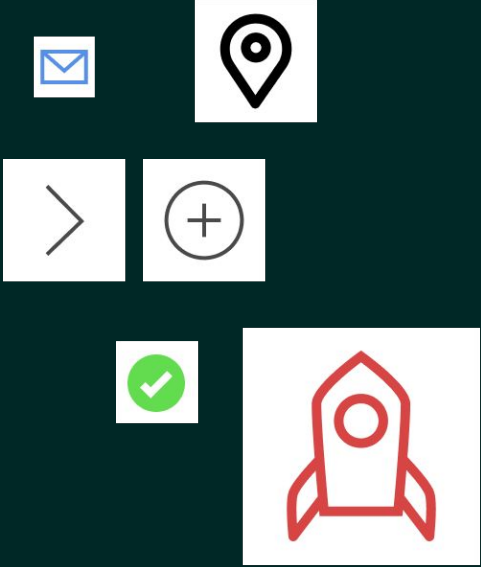
- If enabled, **vector-effect="non-scaling-stroke"** is set on each tag that includes a stroke-width attribute

- If enabled, **style="transition: var(--svg-custom-transition)"** is set to each relevant tag, fallback can also be defined

Additional features

- If enabled, **vector-effect="non-scaling-stroke"** is set on each tag that includes a stroke-width attribute
- If enabled, **style="transition: var(--svg-custom-transition)"** is set to each relevant tag, fallback can also be defined
- If enabled, **currentColor** is set as the last fallback, replacing the original color values

Example 1: Inconsistent input



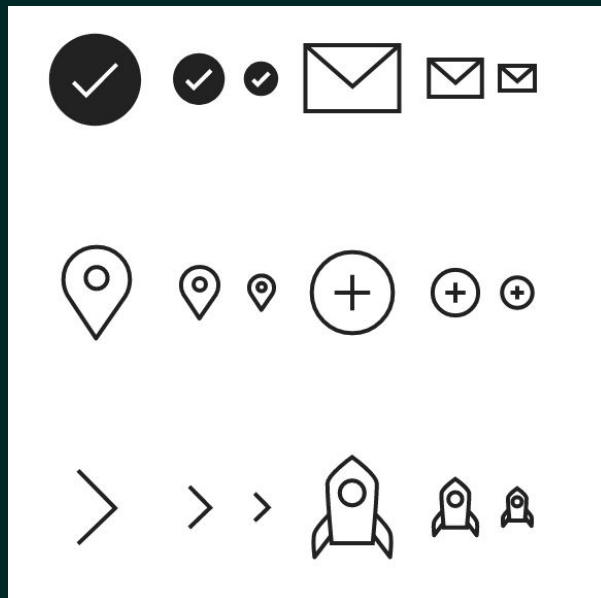
Example 1: Inconsistent input

```
→ multi-color-svgs git:(master) ✗ npx svg-chameleon --path=src/assets/svg-inconsistent/ --sw-non-scaling
```



```
body {  
  --svg-custom-color: #222;  
  --svg-custom-stroke-width: 2;  
}
```

Disclaimer: only works with “real” strokes!



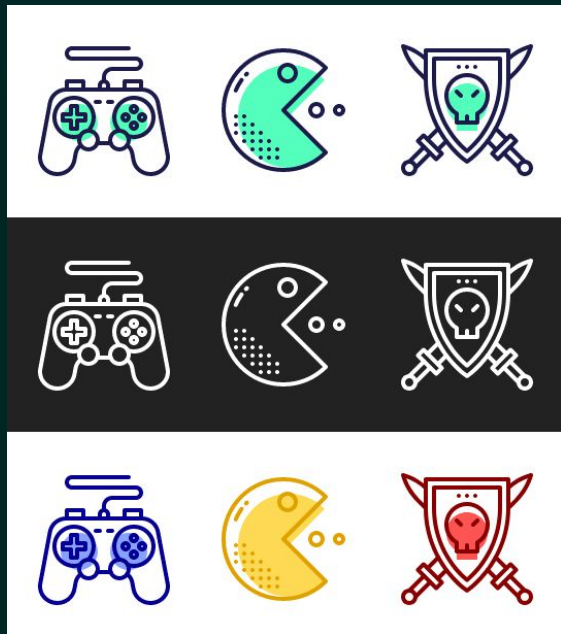
Example 2: Theming



Example 2: Theming

```
→ multi-color-svg git:(master) x npx svg-chameleon --path=src/assets/svg-theming/ --c-custom-vars='#1D1B4C:svg-primary-color,#54FEBD:svg-secondary-color'
```

```
.monochrome-dark-theme {  
  --svg-primary-color: white;  
  --svg-secondary-color: none;  
}  
  
.icon-blue {  
  --svg-primary-color: #060095;  
  --svg-secondary-color: #88A2FF;  
}  
  
.icon-yellow {  
  --svg-primary-color: #E1A200;  
  --svg-secondary-color: #FED954;  
}  
  
.icon-red {  
  --svg-primary-color: #890101;  
  --svg-secondary-color: #FE5454;  
}
```



Example 3: Stroke-Width Transition

Hello there! →

This is a variable font. →

Works great with animation! →

Example 3: Stroke-Width Transition

```
→ multi-color-svg git:(master) x npx svg-chameleon --path=src/assets/svg-animation --t-apply
```

```
.item {  
  font-weight: 400;  
  --svg-custom-stroke-width: 2.5;  
  transition: all .5s;  
  --svg-custom-transition: all .5s;  
}  
  
.item:hover {  
  font-weight: 900;  
  --svg-custom-stroke-width: 5;  
}
```

Hello there! →

This is a variable font. →

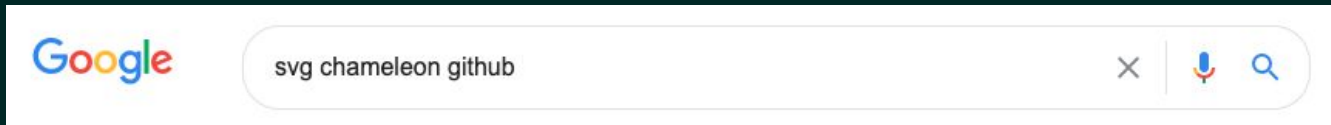
Works great with animation! →

To reach version 1.0.0

- Feedback is welcome
- This needs to be tested - try it out! (it's all documented)
- PR's welcome :)



Thanks for listening



<https://github.com/christian-reichert/svg-chameleon>