

TIL about filter



HTML

\* CSS

```
1 body {  
2   margin: 1em;  
3   /* background: repeating-conic-gradient(silver 0  
   25%, white 0 50%) 0 0 / 10em 10em; */  
4 }  
5  
6 img {  
7   display: block;  
8   width: 100%;  
9   height: auto;  
10  /* filter: opacity(70%); */  
11  /* filter: brightness(130%); */  
12  /* filter: contrast(120%); */  
13  /* filter: saturate(160%); */  
14  /* filter: grayscale(100%); */  
15  /* filter: sepia(100%); */  
16  filter: hue-rotate(30deg);  
17  /* filter: sepia(100%) hue-rotate(150deg); */  
18  /* filter: invert(100%); */  
19  /* filter: grayscale() invert(); */  
20  /* filter: blur(5px); */  
21  /* filter: drop-shadow(5px 10px 10px); */  
22 }  
23  
24 footer {  
25  font-size: 250%; color: #0000FF; text-align: center; font-weight: bold;
```

JS



Foto: Stephan Widua/Unsplash

Day and night

Night and day



Fred Astaire & Ginger Rogers, *The Gay Divorcee* (1934)

Inspector Konsole Debugger Netzwerkanalyse Stilbearbeitung Laufzeitanalyse Speicher Web-Speicher Barrierefreiheit

HTML durchsuchen

```
<!DOCTYPE html>
<html lang="en" vocab="http://schema.org/">
  <head>
  </head>
  <body>
    <::before>
    </::before>
    <header>
    </header>
    <main id="main" tabindex="-1" typeof="MusicComposition">
      <h1 property="name">Night and Day</h1>
      <footer class="credits">
      </footer>
      <div property="text">
      </div>
      <figure property="video" typeof="VideoObject">
        <div class="preserveAspectRatio" data-aspect-ratio="4x3">
          <iframe title="YouTube player" property="embedUrl" src="https://www.youtube-nocookie.com/embed/s0IpGXSMa5Y"
            allowfullscreen="allowfullscreen" style="filter: grayscale();" />
          </div>
          <figcaption>
          </figcaption>
        </figure>
      </main>
  </body>
</html>
```




Regeln Layout Berechnet Änderungen Kompatibilität Sch




Stile filtern :hov .cls +

```
Element :: {
  filter: grayscale();
}
.preserveAspectRatio iframe, .preserveAspectRatio
video :: {
  position: absolute;
  top: 0;
  width: 100%;
  height: 100%;
  border: none;
}
*, ::before, ::after :: {
  box-sizing: border-box;
}
iframe :: {
  border: 2px inset;
}
```




Geerbt von div

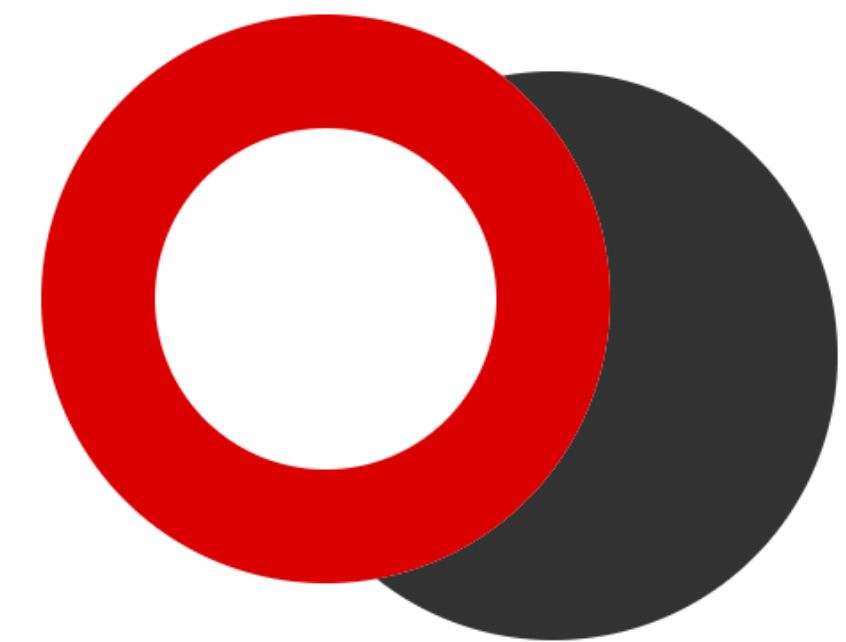
html > body > main#main > figure > div.preserveAspectRatio > iframe

 HTML  

 CSS  

```
1 body {  
2   display: flex;  
3   flex-wrap: wrap;  
4   gap: 4em;  
5 }  
6  
7 figure > div {  
8   /* background: #D00F; */  
9   margin-bottom: 2em;  
10  width: 6em;  
11  aspect-ratio: 1;  
12  border-radius: 50%;  
13  border: 2em solid #D00F;  
14  
15  &.box-shadow {  
16    box-shadow: 4em 1em #333;  
17  }  
18  
19  &.drop-shadow {  
20    filter: drop-shadow(4em 1em #333);  
21  }  
22 }  
23  
24 code {  
25   font: 1.2em/1.2 Fira Mono;
```

 JS  



box-shadow



filter: drop-shadow()



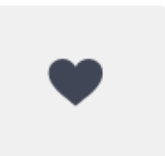
HTML

\* CSS

```
1 body {  
2   background: hsl(0deg 100% 40%);  
3   margin: 10vmin;  
4 }  
5  
6 svg {  
7   display: block;  
8   width: 80vmin;  
9   fill: hsl(180deg 15% 80%);  
10  filter:  
11    drop-shadow(-4px -2px 2px white)  
12    drop-shadow(10px 5px 5px black);  
13 }
```

JS





HTML

```
1 <main lang="cs">
2   <h1>škoda</h1>
3   <svg
4     xmlns="http://www.w3.org/2000/svg"
5     class="visually-hidden"
6     aria-hidden="true"
7   >
8     <filter id="displacementFilter">
9       <feTurbulence
10        type="turbulence"
11        baseFrequency=".05"
12        numOctaves="2"
13        result="turbulence"
14      />
15      <feDisplacementMap
16        in="SourceGraphic"
17        in2="turbulence"
18        scale="10"
19      />
20    </filter>
```

CSS

```
6 h1 {
7   margin: 0;
8   font: 900 5rem/1 Fira Sans, sans-serif;
9   filter: url(#displacementFilter);
10 }
```

JS

