4.4 响应式设计

何为响应式设计？

同一个页面可以适应不同屏幕大小设备的设计方案

设置 viewport


```html
<meta name="viewport"
    content="width=device-width, initial-scale=1.0">
```

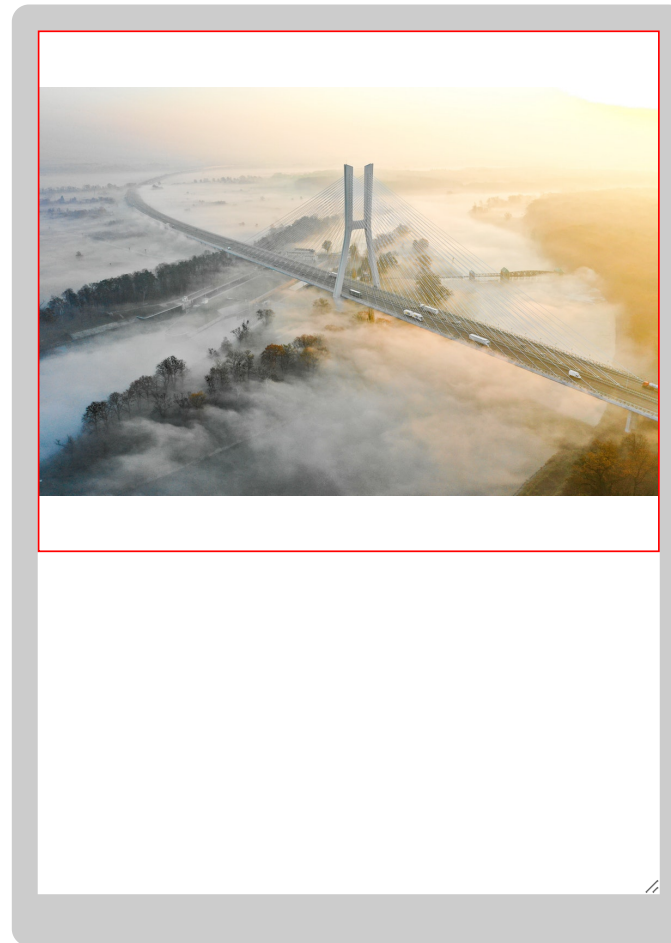# 图片尺寸设置

背景图片

- background-size: cover

- background-size: contain

```
<div class="box">
</div>

<style>
  body {
    margin: 0;
  }
  div {
    height: 300px;
    border: 1px solid red;
    background: url(https://p4.ssl.c
                no-repeat 50% 50%;
    background-size: contain;
  }
</style>
```

media query

- 针对不同的屏幕尺寸，应用不同的样式

```css
@media screen and (min-width: 480px) {
  .box {
    font-size: 16px;
  }
}
```

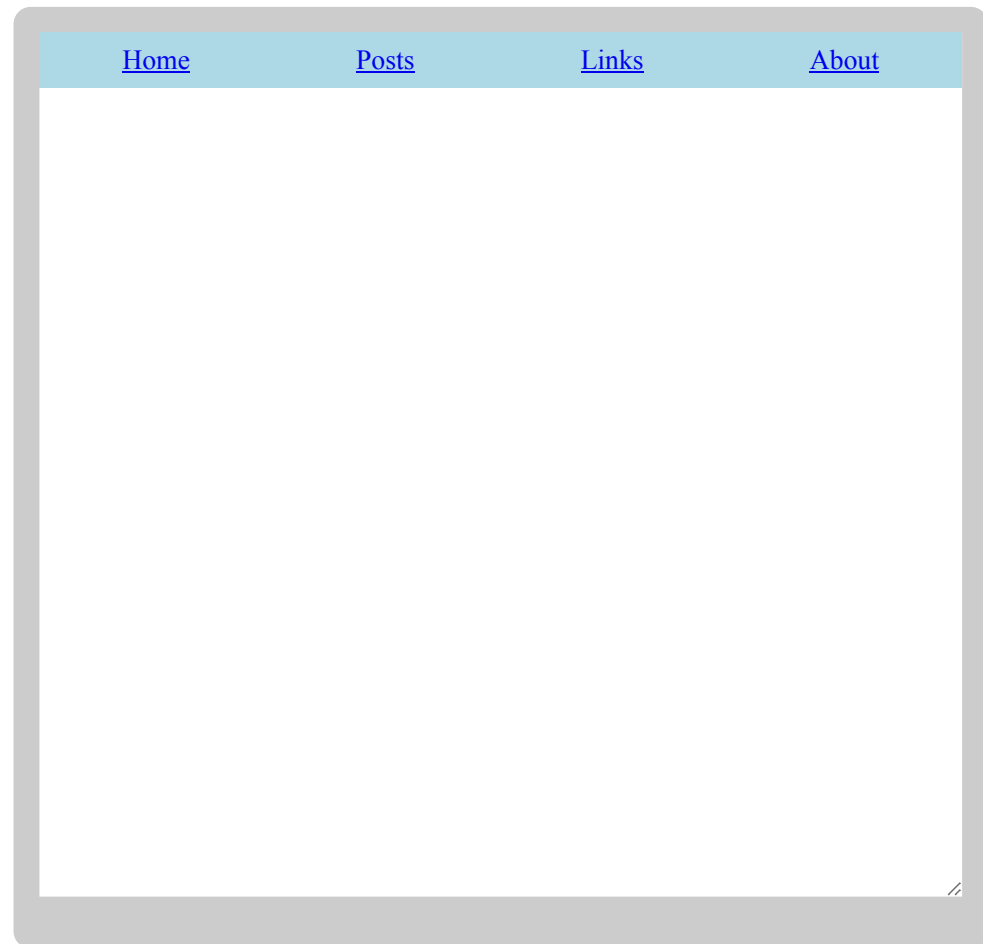# 可以查询的 media

- width / height

- device-width / device-height

- device-pixel-ratio

- orientation

```html
<nav>
  <a href="#">Home</a>
  <a href="#">Posts</a>
  <a href="#">Links</a>
  <a href="#">About</a>
</nav>

<style>
  body {
    margin: 0;
  }
  nav {
    display: flex;
    background: lightblue;
    line-height: 2;
    justify-content: space-around;
  }

  @media screen and (max-width: 480p
    nav {
      flex-direction: column;
```

Home   Posts   Links   About

使用不同尺寸的图片

```
<img srcset="/img/large.jpg  1200w,
             /img/normal.jpg 800w,
             /img/small.jpg  400w"
     sizes="(max-width: 320px) 400px,
            (max-width: 640px) 800px,
            1200px"
     src="/img/normal.jpg"
     alt="description of the image">
```

```
<article>
  <h1>Media Queries</h1>
  <p>A media query consists of a mec
</article>

<style>
  html {
    font-size: 18px;
  }
  article h1 {
    font-size: 2rem;
  }
  article p {
    font-size: 1rem;
  }

  @media screen and (max-width: 480p
    html {
      font-size: 14px;
    }
  }
```

Media Queries

A media query consists of a media type and zero or more expressions that check for the conditions of particular media features.