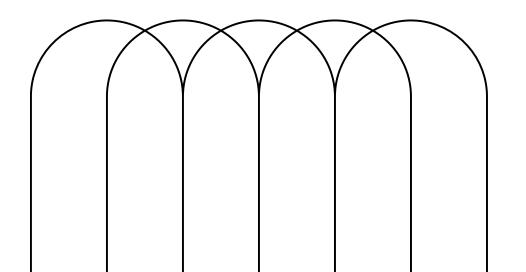
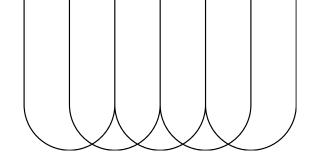




# CSS - Advance Selectors & Masking







#### **Advanced Selectors**

#### :not() Negation Pseudo-Class

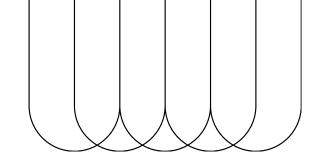
```
p:not(.intro) {
  font-size: 1rem;
}
```

#### :has() Parent Selector

```
.card:has(img) {
   border: 1px solid #ccc;
}
```

#### :is() and :where()

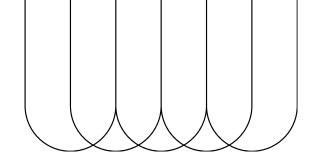
```
section :is(h1, h2, h3) {
  font-family: 'Segoe UI', sans-serif;
}
```





# **Child Selectors**

Selector	Description	Example
:first-child	Selects the first child of a parent	p:first-child { color: red; }
:last-child	Selects the last child of a parent	li:last-child { font-weight: bold; }
:nth-child(n)	Selects the nth child (1-based index)	tr:nth-child(2) { background: #f0f0f0; }
:nth-last-child(n)	Selects the nth child from the end	li:nth-last-child(2) { color: blue; }
:only-child	Selects an element that is the only child of its parent	div:only-child { margin: 10px; }
:nth-of-type(n)	Selects the nth element of a specific tag type	p:nth-of-type(2){color: red}





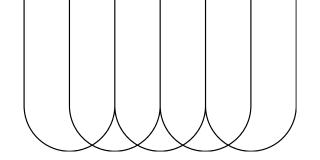
# **CSS Masking**

CSS Masking uses images or gradients to define which parts of an element should be visible and which should be hidden.

#### **Basic Concept**

- Black areas of the mask: fully transparent (hidden)
- White areas: fully opaque (visible)
- Gray areas: partially visible (translucent)
- **1. mask-image :** Defines the image to be used as a mask.

```
div {
  mask-image: url('mask.png');
}
/* or */
div {
  mask-image: linear-gradient(to right, black, transparent);
}
```





# **CSS Masking**

2. mask-mode: Controls how the mask image is applied.

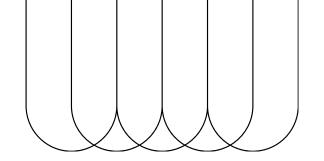
```
div {
   mask-mode: luminance;

/*luminance (default): Uses the brightness of the mask image.

alpha: Uses the alpha channel. */
}
```

**3. mask-repeat, mask-position, mask-size:** These behave similarly to background-repeat, background-position, and background-size.

```
div{
    mask-repeat: no-repeat;
    mask-position: center;
    mask-size: cover;
}
```





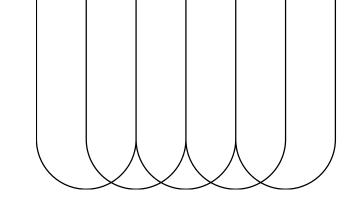
# **CSS Masking**

4. mask: Combines all mask properties into a single declaration.

```
div {
  mask: url('mask.png') no-repeat center / contain;
}
```

5. mask-composite: add (Default), Subtract, intersect, exclude

```
div{
    mask: conic-gradient( #000 25%, #0000 25% 50%, #000 50% 75%, #0000 75% 100%) center / 20px
20px, linear-gradient(45deg, #0000 35%, #000 45% 65%, #0000 65%) center / 20px 20px;
    mask-position: center;
    mask-composite: subtract;
}
```





# THANK YOU

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