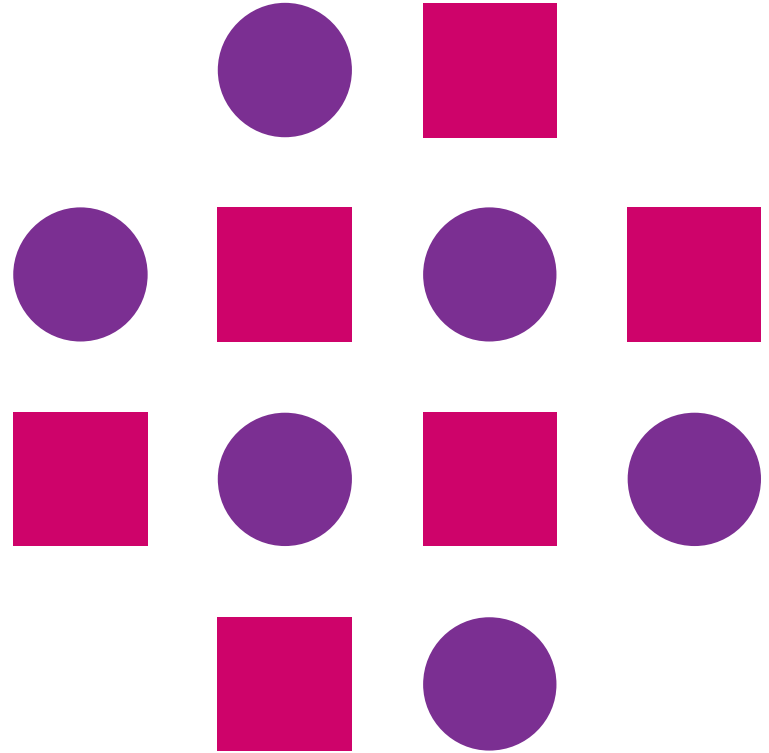# Background

Cascading Style Sheets (CSS3)

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Background

(Cascading Style Sheets 3)

CSS Background

- CSS background properties define the background effects for elements
  - background-color
  - background-image
  - background-repeat
  - background-attachment
  - background-position

Background Color

- The background-color property specifies the background color of an element

```
body {
    background-color:pink;
}
```

```
P {
    background-color:blue;
}
```

Background Image

- The CSS background-image property sets one or several background images

- By default, background-image property repeats an image both horizontally and vertically

Example :
body
{
    background-image: url("./images/flower.jpg");
}

Background Repeat

Background Repeat

- The background-repeat property controls repetition of image

Example :
body {
    background-image:url("./images/camomile.png");
    background-repeat: repeat-x; */* no-repeat | repeat | repeat-y */*
}

Background Attachment

- The background-attachment property sets whether a background image is fixed or scrolls with the rest of page

Example :
```
body {
    background-image: url(“./images/camomile.png”);
    background-repeat: no-repeat;
    background-attachment: fixed; /* default value – scroll */
}
```

Background Position

- The background-position determines the background image's horizontal and vertical position (default - top left of the element)

- Keywords and percentage values for background-position properties

Keyword	Percentage Equivalent
left	0%
center	50%
right	100%
top	0%
bottom	100%

Background Position

```
body {

    background-image: url('./images/cat.jpg');

    background-repeat: no-repeat;

    background-attachment: fixed;

    background-position: 5% top; /* */

}
```

Background shorthand

- All background properties can be specified in one single property called shorthand property

Syntax :

background: bg-color bg-image position/bg-size bg-repeat bg-origin bg-clip bg-attachment initial | inherit;

Background shorthand

Example :

body {

    background: yellow url('./images/cat.jpg') fixed no-repeat center;

}

Background shorthand

- If one of the properties in the shorthand declaration is the bg-size property, you must use a / (slash) to separate it from the bg-position property

- Example -
  - background: url(flower.jpg) 30px 20px/100px 100px;

- Above example will display a background image
  - Positioned 30 pixels from the left
  - 20 pixels from the top
  - And, the size of the image will be 100 pixels wide and 100 pixels high

Background shorthand

- If your are using multiple background-image sources and also want a background-color, the background-color parameter shall be the last in the list

CSS3 backgrounds

- CSS3 new background properties are:
  - background-size
  - background-orgin
  - background-clip

Background Size

- The background-size property specifies the size of background image

- The background-size property accepts the following rule

  - **contain** : Scale the image to the largest possible size so that both its width and height fit into the background positioning area

  - **cover :** Scale the image to its smallest size so that both its width and height can completely cover the background positioning area
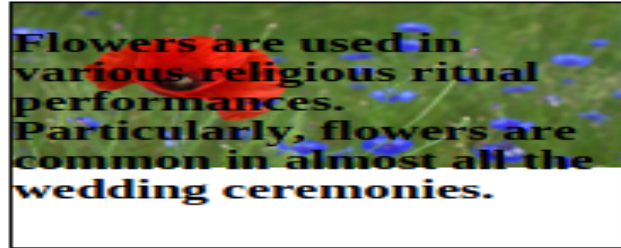
Background Size

cover

background:url(flower.jpg);

background-repeat: no-repeat;

background-size: cover;

contain

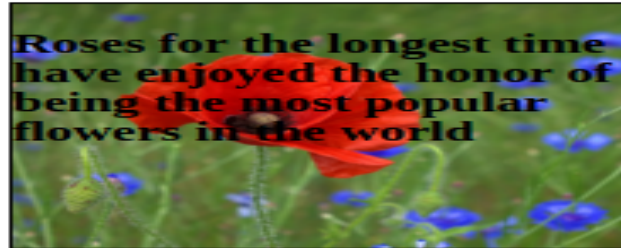background:url(flower.jpg);

background-repeat: no-repeat;

background-size: contain;

Background Size

The "contain" keyword:

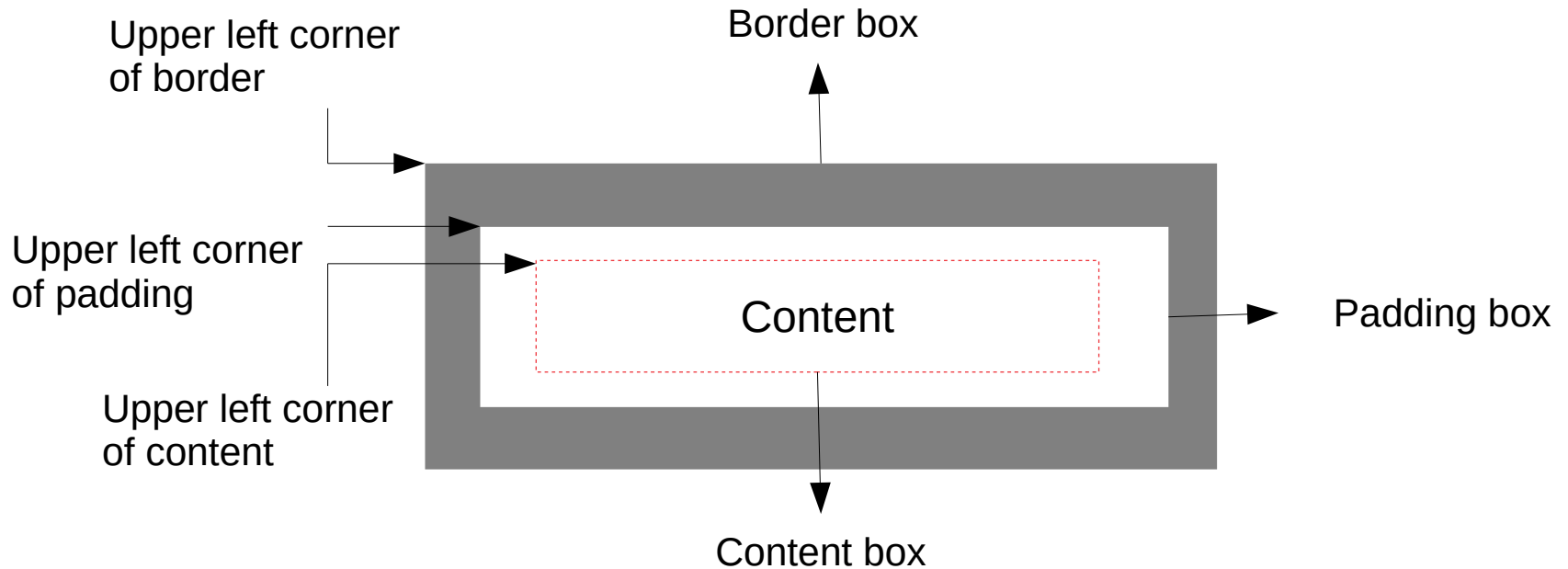Flowers are used in various religious ritual performances. Particularly, flowers are common in almost all the wedding ceremonies.

The "cover" keyword:

Roses for the longest time have enjoyed the honor of being the most popular flowers in the world

Background Orgin

- CSS3 background-orgin property specifies where the background image is positioned

border-box	Background image starts from upper left corner of the border
padding-box	Background image starts from upper left corner of the padding edge (default)
content-box	Background image starts from upper left corner of the content

Background orgin property

Upper left corner
of border

Border box

Upper left corner
of padding

Content

Padding box

Upper left corner
of content

Content box

Background Origin

content-box

background: url("rose.jpg");

background-repeat: no-repeat;

background-origin: content-box;

border-box

background: url("rose.jpg");

background-repeat: no-repeat;

background-origin: border-box;

Background Clip

- The CSS3 background-clip property specifies the painting area of the background

border-box	Background is painted to outside edge of the border (default)
padding-box	Background is painted to outside edge of the padding
content-box	Background is painted within the content box

Background Clip

The CSS3 background-clip property specifies the painting area of the background.

The property takes three different values:

- border-box - The background is painted to the outside edge of the border (default)

- padding-box - The background is painted to the outside edge of the padding

- content-box - The background is painted within the content box

Background Clip

Padding Box

border: 10px dotted red;

padding:40px;

background: pink;

background-clip: padding-box;

Content Box

border: 10px dotted blue;

padding:35px;

background: pink;

background-clip: content-box;

![WSA - Forward looking IT finishing school]

Thank You

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