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CSS Math Functions

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The CSS math functions allow mathematical expressions to be used as property values. Here, we will explain the `calc()`, `max()` and `min()` functions.

The calc() Function

The `calc()` function performs a calculation to be used as the property value.

CSS Syntax

<code>calc(expression)</code>	
Value	Description
<code>expression</code>	Required. A mathematical expression. The result will be used as the value. The following operators can be used: + - * /

Let us look at an example:

Example

Use `calc()` to calculate the width of a `<div>` element:

```
#div1 {
  position: absolute;
  left: 50px;
  width: calc(100% - 100px);
  border: 1px solid black;
  background-color: yellow;
  padding: 5px;
}
```

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The max() Function

The `max()` function uses the largest value, from a comma-separated list of values, as the property value.

CSS Syntax

<code>max(value1, value2, ...)</code>	
Value	Description
<code>value1, value2, ...</code>	Required. A list of comma-separated values - where the largest value is chosen

Let us look at an example:

Example

Use `max()` to set the width of `#div1` to whichever value is largest, 50% or 300px:

```
#div1 {
  background-color: yellow;
  height: 100px;
  width: max(50%, 300px);
}
```

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The min() Function

The `min()` function uses the smallest value, from a comma-separated list of values, as the property value.

CSS Syntax

<code>min(value1, value2, ...)</code>	
Value	Description
<code>value1, value2, ...</code>	Required. A list of comma-separated values - where the smallest value is chosen

Let us look at an example:

Example

Use `min()` to set the width of `#div1` to whichever value is smallest, 50% or 300px:

```
#div1 {
  background-color: yellow;
  height: 100px;
  width: min(50%, 300px);
}
```

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All CSS Math Functions

Function	Description
<code>calc()</code>	Allows you to perform calculations to determine CSS property values
<code>max()</code>	Uses the largest value, from a comma-separated list of values, as the property value
<code>min()</code>	Uses the smallest value, from a comma-separated list of values, as the property value

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