

- DOM
- addClass()
- attribute()
- center()
- child()
- class()
- doubleClicked()
- dragLeave()
- dragOver()
- draggable()
- drop()
- elt
- hasClass()
- height
- hide()
- html()
- id()
- mouseClicked()
- mouseMoved()
- mouseOut()

Reference > size()

size()

Sets the element's width and height.

Calling `myElement.size()` without an argument returns the element's size as an object with the properties `width` and `height`. For example, `{ width: 20, height: 10 }`.

The first parameter, `width`, is optional. It's a number used to set the element's width. Calling `myElement.size(10)`

The second parameter, `height`, is also optional. It's a number used to set the element's height. For example, calling `myElement.size(20, 10)` sets the element's width to 20 pixels and height to 10 pixels.

The constant `AUTO` can be used to adjust one dimension at a time while maintaining the aspect ratio, which is `width / height`. For example, consider an element that's 200 pixels wide and 100 pixels tall. Calling `myElement.size(20, AUTO)` sets the width to 20 pixels and height to 10 pixels.

Note: In the case of elements that need to load data, such as images, wait to call `myElement.size()` until after the data loads.

Examples

```
function setup() {
  createCanvas(100, 100);

  background(200);

  // Create a pink div element and place it at the top-left
  corner.
  let div = createDiv();
  div.position(10, 10);
  div.style('background-color', 'deeppink');

  // Set the div's width to 80 pixels and height to 20 pixels.
  div.size(80, 20);

  describe('A gray square with a pink rectangle near its
  top.');
```

```
function setup() {
  createCanvas(100, 100);

  background(200);

  // Create a pink div element and place it at the top-left
  corner.
  let div = createDiv();
  div.position(10, 10);
  div.style('background-color', 'deeppink');

  // Set the div's width to 80 pixels and height to 40 pixels.
  div.size(80, 40);

  // Get the div's size as an object.
  let s = div.size();

  // Display the div's dimensions.
  div.html(`${s.width} x ${s.height}`);

  describe('A gray square with a pink rectangle near its top.
  The text "80 x 40" is written within the rectangle.');
```

```
let img1;
let img2;

function setup() {
  createCanvas(100, 100);

  background(200);

  // Load an image of an astronaut on the moon
  // and place it at the top-left of the canvas.
  img1 = createImg(
    '/assets/moonwalk.jpg',
    'An astronaut walking on the moon',
    ''
  );
  img1.position(0, 0);

  // Load an image of an astronaut on the moon
  // and place it at the top-left of the canvas.
  // Resize the image once it's loaded.
  img2 = createImg(
    '/assets/moonwalk.jpg',
    'An astronaut walking on the moon',
    '',
    resizeImage
  );
  img2.position(0, 0);

  describe('A gray square two copies of a space image at the
  top-left. The copy in front is smaller.');
```

Syntax

size()

size([w], [h])

Parameters

wNumber|Constant: width of the element, either AUTO, or a number.

hNumber|Constant: height of the element, either AUTO, or a number.

Returns

Object: width and height of the element in an object.

This page is generated from the comments in [src/dom/dom.js](#) . Please feel free to edit it and submit a pull request!

Related References

addClass Adds a class to the element.	attribute Adds an attribute to the element.	center Centers the element either vertically, horizontally, or both.	child Attaches the element as a child of another element.
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