boolean()

Converts a `String` or `Number` to a `Boolean`.

`boolean()` converts values to `true` or `false`.

The parameter, `n`, is the value to convert. If `n` is a string, then `boolean('true')` will return `true` and every other string value will return `false`. If `n` is a number, then `boolean(0)` will return `false` and every other numeric value will return `true`. If an array is passed, as `in boolean([0, 1, 'true', 'blue'])`, then an array of Boolean values will be returned.

Examples

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

  background(200);

  // Create a number variable.
  let original = 0;

  // Convert the number to a Boolean value.
  let converted = boolean(original);

  // Style the circle based on the converted value.
  if (converted === true) {
    fill('blue');
  } else {
    fill('red');
  }

  // Draw the circle.
  circle(50, 50, 40);

  describe('A red circle on a gray background.');
}
```

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

  background(200);

  // Create a string variable.
  let original = 'true';

  // Convert the string to a Boolean value.
  let converted = boolean(original);

  // Style the circle based on the converted value.
  if (converted === true) {
    fill('blue');
  } else {
    fill('red');
  }

  // Draw the circle.
  circle(50, 50, 40);

  describe('A blue circle on a gray background.');
}
```

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

  background(200);

  // Create an array of values.
  let original = [0, 'hi', 123, 'true'];

  // Convert the array to a Boolean values.
  let converted = boolean(original);

  // Iterate over the array of converted Boolean values.
  for (let i = 0; i < converted.length; i += 1) {

    // Style the circle based on the converted value.
    if (converted[i] === true) {
      fill('blue');
    } else {
      fill('red');
    }

    // Calculate the x-coordinate.
    let x = (i + 1) * 20;

    // Draw the circle.
    circle(x, 50, 15);
  }

  describe(
    'A row of circles on a gray background. The two circles on
the left are red and the two on the right are blue.'
```

Syntax

```
boolean(n)
```

```
boolean(ns)
```

Parameters

n	String|Boolean|Number: value to convert.
ns	Array: values to convert.

Returns

Boolean: converted Boolean value.

This page is generated from the comments in src/utilities/conversion.js . Please feel free to edit it and submit a pull request!

Related References

boolean
Converts a String or Number to a Boolean.

byte
Converts a Boolean, String, or Number to its byte value.

char
Converts a Number or String to a single-character String.

float
Converts a String to a floating point (decimal) Number.