

unhex()

Converts a **String** with a hexadecimal value to a **Number**.

`unhex()` converts a string with its hexadecimal number value to a number. Hexadecimal (hex) numbers are base-16, which means there are 16 unique digits. Hex extends the numbers 0–9 with the letters A–F. For example, the number 11 (eleven) in base-10 is written as the letter **B** in hex.

The first parameter, `n`, is the hex string to convert. For example, `unhex('FF')`, returns the number 255. If an array is passed, as in `unhex(['00', '80', 'FF'])`, an array of numbers is returned.

Examples



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

  background(200);

  // Create a a hex string variable
  let original = 'FF';

  // Convert the hex string to a number.
  let converted = unhex(original);

  // Style the text.
  textAlign(CENTER, CENTER);
  textSize(16);

  // Display the original and converted values.
  text(`${original} = ${converted}`, 50, 50);

  describe('The text "FF = 255" written in black on a gray background.');
```

▶

■

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

  background(200);

  // Create an array of numbers.
  let original = ['00', '80', 'FF'];

  // Convert the numbers to hex strings.
  // Only use two hex digits.
  let converted = unhex(original, 2);

  // Style the text.
  textAlign(RIGHT, CENTER);
  textSize(16);

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

    // Calculate the y-coordinate.
    let y = (i + 1) * 25;

    // Display the original and converted values.
    text(`${ original[i]} = ${converted[i]}`, 80, y);
  }

  describe(
    'The text "00 = 0", "80 = 128", and "FF = 255" written on three separate lines. The text is in black on a gray background.'
```

Syntax

```
unhex(n)
```

```
unhex(ns)
```

Parameters

<code>n</code>	String: value to convert.
<code>ns</code>	String[]: values to convert.

Returns

Number: converted number.

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.
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