

Converting Colors

RGB(49, 227, 186)

Have a look what the booklet for
RGB(49, 227, 186) contains.

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Color

RGB(49, 227, 186)

Conversions

Conversions Part 1

Format	Color
Hex	31E3BA
RGB	49, 227, 186
RGB Percent	19%, 89%, 73%
CMY	0.8078, 0.1098, 0.2706
CMYK	0.78, 0.00, 0.18, 0.11
HSL	166°, 76%, 54%
HSV	166°, 78%, 89%
XYZ	37.5986, 59.1363, 55.8872
YIQ	169.1040, -92.9270, -50.4870

Conversions

Conversions Part 2

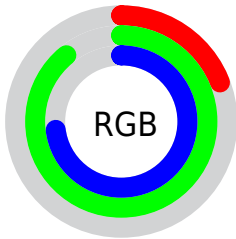
Format	Color
RYB	49, 150, 227
Decimal	3269562
CIELab	81.37, -52.64, 7.74
CIELCh	81, 53.208, 171.635
Yxy	59.1363, 0.2464, 0.3875
Android (android.graphics.Color)	4281459642 (0xFF31E3BA)
YUV	169.1040, 8.3297, -105.3312
Hunter-Lab	76.9001, -47.3016, 10.7411

Details

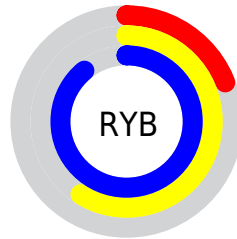
The RGB color **49, 227, 186** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **227, 49, 90**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **124, 255, 242**, and **0, 170, 133** is the 20% darker color. If you saturate the color by 10%, you get **26, 227, 181**, and if you desaturate by 10%, it is **72, 227, 191**.

Distribution



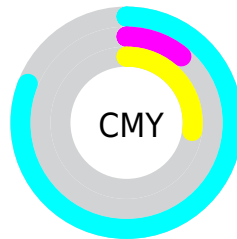
- Red (19%)
- Green (89%)
- Blue (73%)



- Red (19%)
- Yellow (59%)
- Blue (89%)



- Cyan (78%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)




















- Cyan (81%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RGB color 49, 227, 186 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 49, 227, 186 by changing the saturation by 10% instead.

 49, 227, 186	 49, 227, 186
 255, 255, 255	 0, 198, 159
 124, 255, 242	 0, 170, 133
 156, 255, 255	 0, 143, 108
 187, 255, 255	 0, 117, 83
 219, 255, 255	 0, 91, 60
 250, 255, 255	 0, 66, 39
	 0, 44, 18
	 0, 9, 0
	 0, 0, 0

■ 49, 227, 186

■ 49, 227, 186

■ 26, 227, 181

■ 72, 227, 191

■ 4, 227, 176

■ 94, 227, 196

■ 0, 227, 175

■ 117, 227, 202

■ 140, 227, 207

■ 163, 227, 212

■ 185, 227, 217

■ 208, 227, 223

■ 231, 227, 228

■ 253, 227, 233

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



138, 221, 138



49, 227, 186



0, 228, 237

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49, 227, 186



185, 195, 255



255, 177, 126

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49, 227, 186



227, 49, 90

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 163, 168



49, 227, 186



251, 175, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49, 227, 186



83, 211, 255



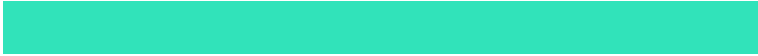
255, 162, 218



245, 195, 102

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49, 227, 186



0, 225, 255



255, 162, 218



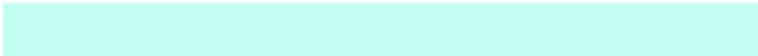
255, 171, 138

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49, 227, 186



194, 255, 241



91, 227, 49



91, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 227, 186



15, 255, 200



49, 180, 227



103, 115, 112



0, 179, 137



0, 51, 39

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



227, 49, 90



255, 15, 71



227, 96, 49



115, 103, 106



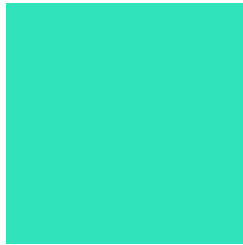
179, 0, 41



51, 0, 12

Previews

White Background



This preview shows how the RGB color 49, 227, 186 looks on a white background.

Color Contrast Check

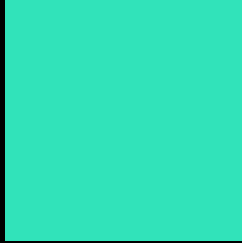
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 49, 227, 186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

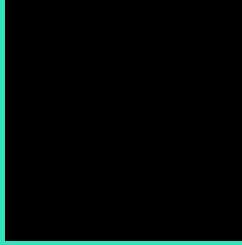
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

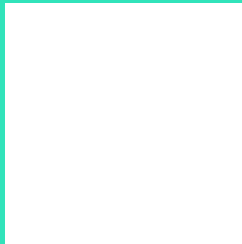
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 49, 227, 186 Background



This preview shows how black text looks on a background with the RGB color 49, 227, 186.

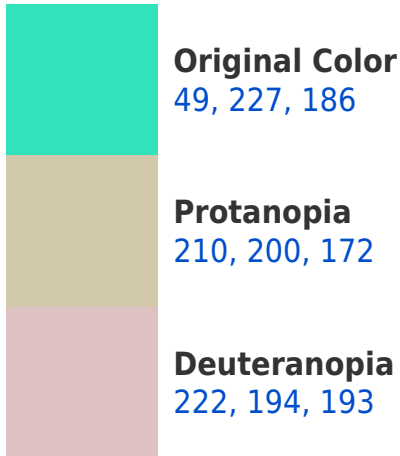


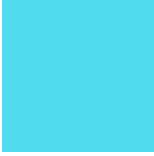
This preview shows how white text looks on a background with the RGB color 49, 227, 186.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
80, 220, 238

Trichromacy



Original Color

49, 227, 186



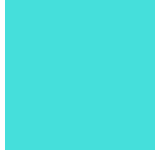
Protanomaly

151, 210, 177



Deuteranomaly

159, 206, 190



Tritanomaly

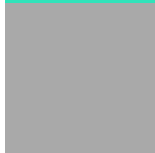
69, 223, 219

Monochromacy



Original Color

49, 227, 186



Achromatopsia

169, 169, 169



Achromatomaly

125, 190, 175

CSS Examples

Text

The CSS property to change the color of the text to RGB 49, 227, 186 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(49, 227, 186)` looks like.

```
.text, #text, p{  
    color:rgb(49, 227, 186)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(49, 227, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 227, 186) }
```

Border

The CSS property to change the border of an element to RGB 49, 227, 186 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(49, 227, 186) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(49, 227, 186) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(49, 227, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 227, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 227, 186);  
box-shadow:4px 4px 4px 4px rgb(49, 227,  
186) }
```

Background

The CSS property to change the background color of an element to RGB 49, 227, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 227, 186) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(49, 227,  
186) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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