

Converting Colors

RGB(46, 209, 170)

Have a look what the booklet for
RGB(46, 209, 170) contains.

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Color

RGB(46, 209, 170)

Conversions

Conversions Part 1

Format	Color
Hex	2ED1AA
RGB	46, 209, 170
RGB Percent	18%, 82%, 67%
CMY	0.8196, 0.1804, 0.3333
CMYK	0.78, 0.00, 0.19, 0.18
HSL	166°, 64%, 50%
HSV	166°, 78%, 82%
XYZ	31.1829, 49.0841, 45.8609
YIQ	155.8170, -84.6290, -46.6850

Conversions

Conversions Part 2

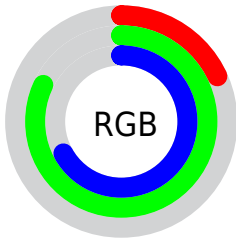
Format	Color
RYB	46, 139, 209
Decimal	3068330
CIELab	75.50, -49.56, 7.85
CIELCh	76, 50.180, 171.005
Yxy	49.0841, 0.2472, 0.3892
Android (android.graphics.Color)	4281258410 (0xFF2ED1AA)
YUV	155.8170, 6.9922, -96.3095
Hunter-Lab	70.0600, -43.1568, 10.2311

Details

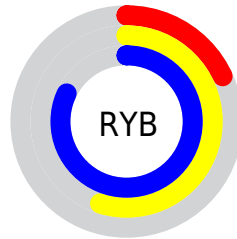
The RGB color **46, 209, 170** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **209, 46, 85**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **118, 255, 225**, and **0, 153, 118** is the 20% darker color. If you saturate the color by 10%, you get **25, 209, 165**, and if you desaturate by 10%, it is **67, 209, 175**.

Distribution



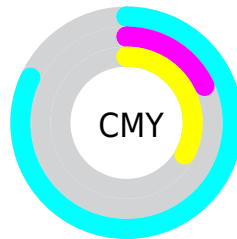
- Red (18%)
- Green (82%)
- Blue (67%)



- Red (18%)
- Yellow (55%)
- Blue (82%)



- Cyan (78%)
- Magenta (0%)
- Yellow (19%)
- Black (18%)



- Cyan (82%)
- Magenta (18%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RGB color 46, 209, 170 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 46, 209, 170 by changing the saturation by 10% instead.



46, 209, 170



46, 209, 170

255, 255, 255



0, 181, 144



118, 255, 225



0, 153, 118



150, 255, 254



0, 127, 93



180, 255, 255



0, 101, 70



211, 255, 255



0, 76, 47



242, 255, 255



0, 52, 26



0, 28, 0



0, 0, 0



46, 209, 170



46, 209, 170

■ 25, 209, 165

■ 67, 209, 175

■ 4, 209, 160

■ 88, 209, 180

■ 0, 209, 159

■ 109, 209, 185

■ 130, 209, 190

■ 151, 209, 195

■ 171, 209, 200

■ 192, 209, 205

■ 213, 209, 210

■ 234, 209, 215

Harmonies

Analogous

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



128, 204, 126



46, 209, 170



0, 210, 218

Triad

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



46, 209, 170



168, 179, 255



255, 162, 116

Complementary

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



46, 209, 170



209, 46, 85

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, 150, 155



46, 209, 170



230, 162, 245

Square

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



46, 209, 170



72, 195, 255



255, 149, 202



226, 179, 93

Rectangle

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



46, 209, 170



0, 207, 245



255, 149, 202



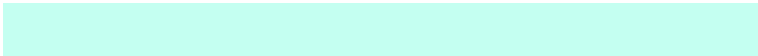
255, 157, 127

Sweetspot

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



46, 209, 170



196, 255, 241



87, 209, 46



92, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



46, 209, 170



15, 255, 198



46, 168, 209



94, 105, 102



0, 168, 128



0, 41, 31

Inverse Universe

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



209, 46, 85



255, 15, 73



209, 87, 46



105, 94, 97



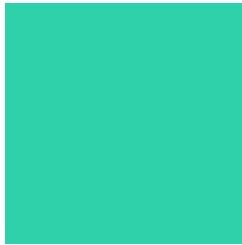
168, 0, 40



41, 0, 10

Previews

White Background



This preview shows how the RGB color 46, 209, 170 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 46, 209, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

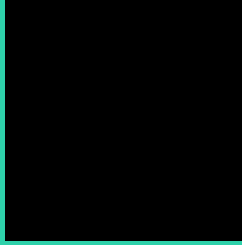
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

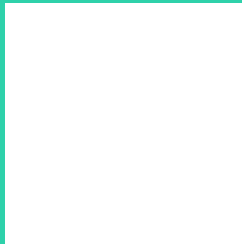
Any Text WCAG AAA ✓ Pass

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

RGB 46, 209, 170 Background



This preview shows how black text looks on a background with the RGB color 46, 209, 170.

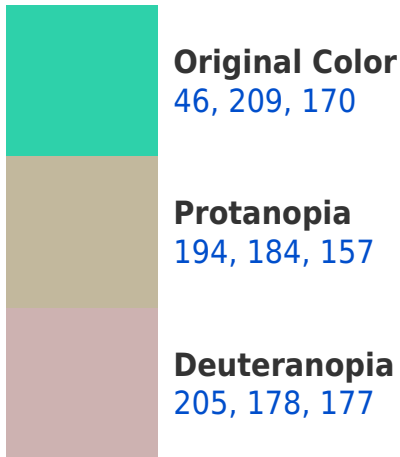


This preview shows how white text looks on a background with the RGB color 46, 209, 170.

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
75, 202, 219

Trichromacy



Original Color

46, 209, 170



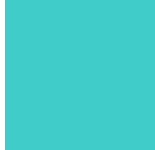
Protanomaly

140, 193, 162



Deuteranomaly

147, 189, 174



Tritanomaly

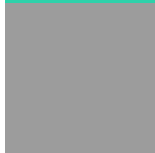
64, 205, 201

Monochromacy



Original Color

46, 209, 170



Achromatopsia

156, 156, 156



Achromatomaly

116, 175, 161

CSS Examples

Text

The CSS property to change the color of the text to RGB 46, 209, 170 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(46, 209, 170)` looks like.

```
.text, #text, p{  
    color:rgb(46, 209, 170)  
}
```

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(46, 209, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 209, 170) }
```

Border

The CSS property to change the border of an element to RGB 46, 209, 170 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(46, 209, 170) }
```

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

```
.border{ border-color:rgb(46, 209, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 209, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 209, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 209, 170);  
box-shadow:4px 4px 4px 4px rgb(46, 209,  
170) }
```

Background

The CSS property to change the background color of an element to RGB 46, 209, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 209, 170) }
```

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

```
.background{ background-color: rgb(46, 209,  
170) }
```

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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