

Converting Colors

RGB(49, 186, 206)

Have a look what the booklet for
RGB(49, 186, 206) contains.

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Color

RGB(49, 186, 206)

Conversions

Conversions Part 1

Format	Color
Hex	31BACE
RGB	49, 186, 206
RGB Percent	19%, 73%, 81%
CMY	0.8078, 0.2706, 0.1922
CMYK	0.76, 0.10, 0.00, 0.19
HSL	188°, 62%, 50%
HSV	188°, 76%, 81%
XYZ	29.9661, 40.2270, 64.5777
YIQ	147.3170, -88.0720, -22.8240

Conversions

Conversions Part 2

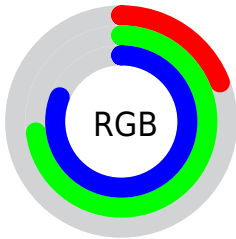
Format	Color
R _Y B	49, 122, 206
Decimal	3259086
CIE Lab	69.63, -28.79, -20.40
CIE LCh	70, 35.287, 215.313
Yxy	40.2270, 0.2223, 0.2985
Android (android.graphics.Color)	4281449166 (0xFF31BACE)
YUV	147.3170, 28.9307, -86.2240
Hunter-Lab	63.4248, -26.6580, -15.9705

Details

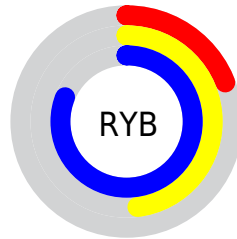
The RGB color **49, 186, 206** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **206, 69, 49**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **120, 242, 255**, and **0, 132, 152** is the 20% darker color. If you saturate the color by 10%, you get **28, 183, 206**, and if you desaturate by 10%, it is **70, 189, 206**.

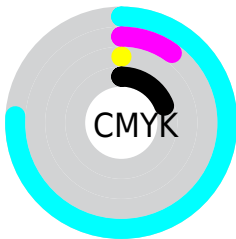
Distribution



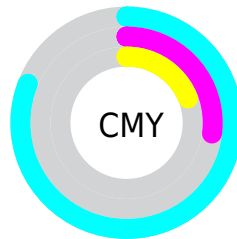
- Red (19%)
- Green (73%)
- Blue (81%)



- Red (19%)
- Yellow (48%)
- Blue (81%)



- Cyan (76%)
- Magenta (10%)
- Yellow (0%)
- Black (19%)




















- Cyan (81%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RGB color 49, 186, 206 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, 186, 206 by changing the saturation by 10% instead.

 49, 186, 206	 49, 186, 206
 255, 255, 255	 0, 159, 178
 120, 242, 255	 0, 132, 152
 151, 255, 255	 0, 107, 126
 182, 255, 255	 0, 82, 101
 212, 255, 255	 0, 59, 77
 243, 255, 255	 0, 37, 54
	 0, 2, 33
	 0, 0, 6
	 0, 0, 0

■ 49, 186, 206

■ 49, 186, 206

■ 28, 183, 206

■ 70, 189, 206

■ 8, 181, 206

■ 90, 191, 206

■ 0, 180, 206

■ 111, 194, 206

■ 131, 196, 206

■ 152, 199, 206

■ 173, 202, 206

■ 193, 204, 206

■ 214, 207, 206

■ 234, 210, 206

Harmonies

Analogous

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



73, 187, 175



49, 186, 206



82, 181, 227

Triad

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



49, 186, 206



215, 150, 197



186, 170, 106

Complementary

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



49, 186, 206



206, 69, 49

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.



214, 159, 113



49, 186, 206



232, 145, 166

Square

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



49, 186, 206



182, 160, 222



230, 149, 135



152, 179, 117

Rectangle

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



49, 186, 206



117, 175, 233



230, 149, 135



196, 166, 106

Sweetspot

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



49, 186, 206



196, 248, 255



49, 206, 67



92, 123, 128



0, 0, 0



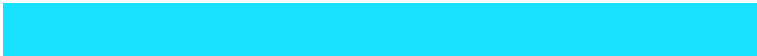
128, 128, 128

Same Dimension

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



49, 186, 206



23, 225, 255



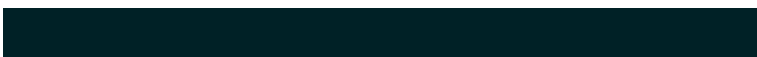
49, 109, 206



92, 101, 102



0, 145, 166



0, 33, 38

Inverse Universe

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



206, 49, 186



255, 23, 225



206, 146, 49



102, 92, 101



166, 0, 145



38, 0, 33

Previews

White Background



This preview shows how the RGB color 49, 186, 206 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, 186, 206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

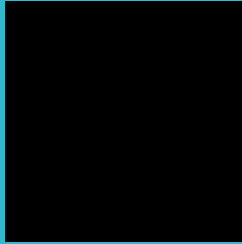
Any Text WCAG AA ✓ Pass

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, 186, 206 Background



This preview shows how black text looks on a background with the RGB color 49, 186, 206.

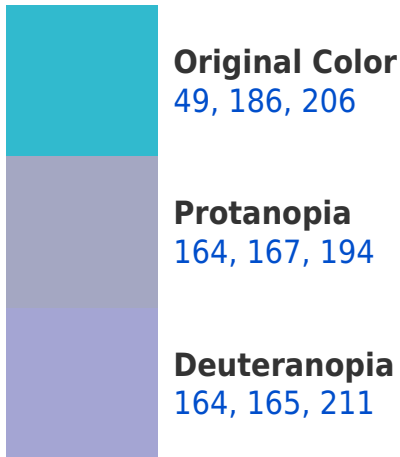


This preview shows how white text looks on a background with the RGB color 49, 186, 206.

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





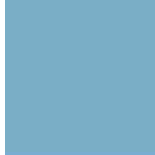
Tritanopia
46, 187, 202

Trichromacy



Original Color

49, 186, 206



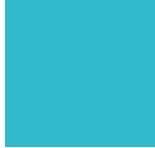
Protanomaly

122, 174, 198



Deuteranomaly

122, 173, 209



Tritanomaly

47, 187, 203

Monochromacy



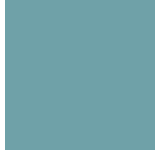
Original Color

49, 186, 206



Achromatopsia

147, 147, 147



Achromatomaly

111, 161, 168

CSS Examples

Text

The CSS property to change the color of the text to RGB 49, 186, 206 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, 186, 206)` looks like.

```
.text, #text, p{  
    color:rgb(49, 186, 206)  
}
```

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, 186, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 186, 206) }
```

Border

The CSS property to change the border of an element to RGB 49, 186, 206 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, 186, 206) }
```

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

```
.border{ border-color:rgb(49, 186, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 186, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 186, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 186, 206);  
box-shadow:4px 4px 4px 4px rgb(49, 186,  
206) }
```

Background

The CSS property to change the background color of an element to RGB 49, 186, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 186, 206) }
```

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

```
.background{ background-color: rgb(49, 186,  
206) }
```

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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