

# Converting Colors

Hex(31B8A0)

Have a look what the booklet for  
Hex(31B8A0) contains.

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**Color**

**Hex(31B8A0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31B8A0
RGB	49, 184, 160
RGB Percent	19%, 72%, 63%
CMY	0.8078, 0.2784, 0.3725
CMYK	0.73, 0.00, 0.13, 0.28
HSL	169°, 58%, 46%
HSV	169°, 73%, 72%
XYZ	24.7523, 37.4720, 39.1859
YIQ	140.8990, -72.7560, -36.0840

# Conversions

## Conversions Part 2

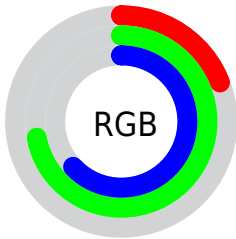
Format	Color
<a href="#">RYB</a>	<a href="#">49, 123, 184</a>
Decimal	<a href="#">3258528</a>
CIELab	<a href="#">67.63, -41.18, 1.93</a>
CIELCh	<a href="#">68, 41.220, 177.319</a>
Yxy	<a href="#">37.4720, 0.2441, 0.3695</a>
Android (android.graphics.Color)	<a href="#">4281448608 (0xFF31B8A0)</a>
YUV	<a href="#">140.8990, 9.4168, -80.5954</a>
Hunter-Lab	<a href="#">61.2144, -34.9480, 4.8960</a>

# Details

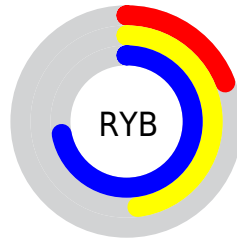
The Hex color **31B8A0** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **B83149**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **73F1D7**, and **00826D** is the 20% darker color. If you saturate the color by 10%, you get **1FB89D**, and if you desaturate by 10%, it is **43B8A3**.

# Distribution



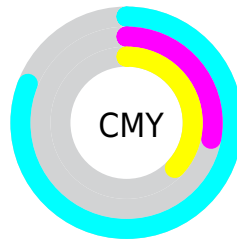
- Red (19%)
- Green (72%)
- Blue (63%)



- Red (19%)
- Yellow (48%)
- Blue (72%)



- Cyan (73%)
- Magenta (0%)
- Yellow (13%)
- Black (28%)



- Cyan (81%)
- Magenta (28%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31B8A0 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 Hex color 31B8A0 by changing the saturation by 10% instead.



 31B8A0

 31B8A0

FFFFFF

 009D86

 73F1D7

 00826D

 91FFF3

 006854

 AFFFFFF

 004F3D

 CDFFFF


 003728

 EBFFFF

 002213

 000000

 31B8A0

 31B8A0

 1FB89D

 43B8A3

0CB899

56B8A7

00B897

68B8AA

7BB8AD

8DB8B0

9FB8B4

B2B8B7

C4B8BA

D7B8BD

# Harmonies

## Analogous

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



6DB47B



31B8A0



00B8C6

# Triad

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



31B8A0



A39CE7



DC9467

# Complementary

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



31B8A0



B83149

# 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.



EB8A85



31B8A0



D08FCD

# Square

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



31B8A0



64A9EF



E887AA



BFA159

# Rectangle

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



31B8A0



00B5DA



E887AA



E39070



# Sweetspot

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



31B8A0



BBF0E6



4AB831



597872



F7F7F7



787878



# Same Dimension

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



31B8A0



1DF0CA



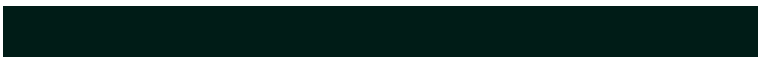
318DB8



535C5A



009C80



001C17



# Inverse Universe

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



B83149



F01D42



B85C31



5C5354



9C001C

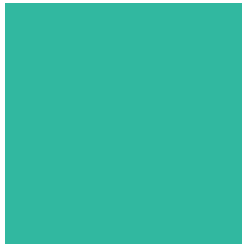


1C0005



# Previews

## White Background



This preview shows how the Hex color 31B8A0 looks on a white background.

## Color Contrast Check

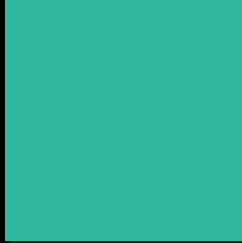
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 31B8A0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

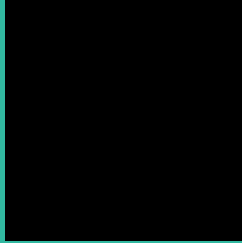
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 31B8A0 Background



This preview shows how black text looks on a background with the Hex color 31B8A0.

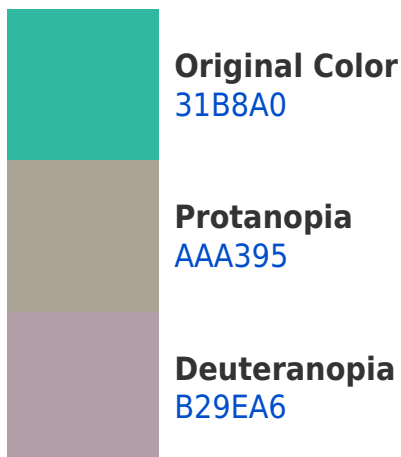


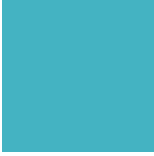
This preview shows how white text looks on a background with the Hex color 31B8A0.

# 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](#).

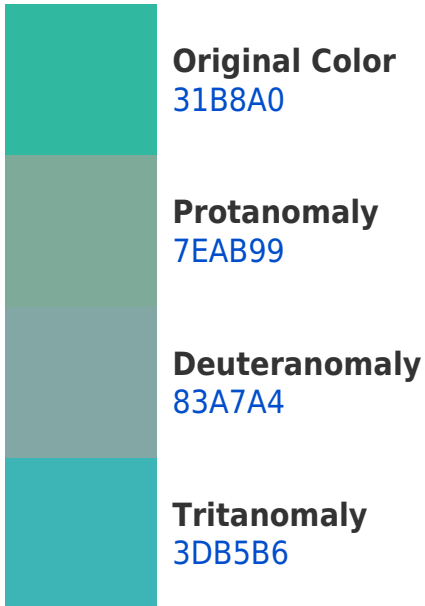
## Dichromacy



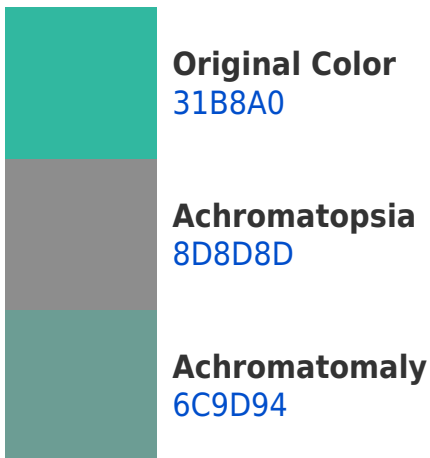


**Tritanopia**  
44B3C2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31B8A0 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 #31B8A0 looks like.

```
.text, #text, p{  
    color:#31B8A0  
}
```

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 #31B8A0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31B8A0
}
```

## Border

The CSS property to change the border of an element to Hex 31B8A0 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
#31B8A0 }
```

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

```
.border{ border-color:#31B8A0 }
```

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

Here you see how a box with a 4 pixel #31B8A0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31B8A0; -webkit-box-shadow:4px 4px  
4px 4px #31B8A0; box-shadow:4px 4px 4px  
4px #31B8A0 }
```

# Background

The CSS property to change the background color of an element to Hex 31B8A0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31B8A0 }
```

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

```
.background{ background-color:#31B8A0 }
```

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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