

# Converting Colors

Hex(31A2A8)

Have a look what the booklet for  
Hex(31A2A8) contains.

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# Color

Hex(31A2A8)

# Conversions

## Conversions Part 1

Format	Color
Hex	31A2A8
RGB	49, 162, 168
RGB Percent	19%, 64%, 66%
CMY	0.8078, 0.3647, 0.3412
CMYK	0.71, 0.04, 0.00, 0.34
HSL	183°, 55%, 43%
HSV	183°, 71%, 66%
XYZ	21.2548, 29.3208, 41.5850
YIQ	128.8970, -69.2740, -22.0900

# Conversions

## Conversions Part 2

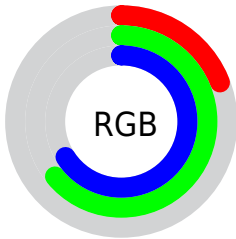
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	49, 107, 168
Decimal	3252904
CIE <sub>Lab</sub>	61.06, -28.68, -12.24
CIE <sub>LCh</sub>	61, 31.184, 203.108
Yxy	29.3208, 0.2306, 0.3181
Android (android.graphics.Color)	4281442984 (0xFF31A2A8)
YUV	128.8970, 19.2778, -70.0697
Hunter-Lab	54.1487, -24.6940, -7.6294

# Details

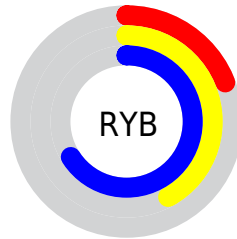
The Hex color **31A2A8** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **A83731**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **71D9DF**, and **006E74** is the 20% darker color. If you saturate the color by 10%, you get **20A1A8**, and if you desaturate by 10%, it is **42A3A8**.

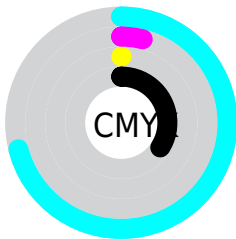
# Distribution



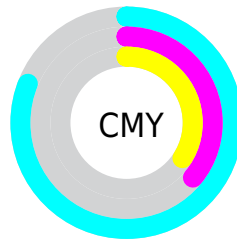
- Red (19%)
- Green (64%)
- Blue (66%)



- Red (19%)
- Yellow (42%)
- Blue (66%)



- Cyan (71%)
- Magenta (4%)
- Yellow (0%)
- Black (34%)



- Cyan (81%)
- Magenta (36%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31A2A8 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 31A2A8 by changing the saturation by 10% instead.



 31A2A8

 31A2A8

FFFFFF

 00878E

 71D9DF

 006E74

 8EF6FC

 00555B

 ACFFFF

 003D44

 C9FFFF


 00272E

 E7FFFF

 00091A

 000000

 31A2A8

 31A2A8

 20A1A8

 42A3A8

0FA0A8

53A4A8

00A0A8

63A5A8

74A5A8

85A6A8

96A7A8

A7A8A8

B7A9A8

C8AAA8

# Harmonies

## Analogous

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



4EA28C



31A2A8



399FBF

# Triad

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



31A2A8



B085B5



AC8F5D

# Complementary

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



31A2A8



A83731

# 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.



C08668



31A2A8



C57F9B

# Square

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



31A2A8



8E8FC6



CA7F7F



909860

# Rectangle

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



31A2A8



549BC7



CA7F7F



B48C5F



# Sweetspot

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



31A2A8



ADD9DB



31A837



526C6E



EDEDED



6E6E6E



# Same Dimension

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



31A2A8



21D2DB



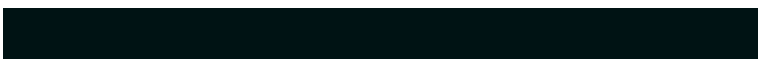
3167A8



4C5454



008C94



001314



# Inverse Universe

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



A831A2



DB21D2



A87231



544C54



94008C



140013



# Previews

## White Background



This preview shows how the Hex color 31A2A8 looks on a white background.

## Color Contrast Check

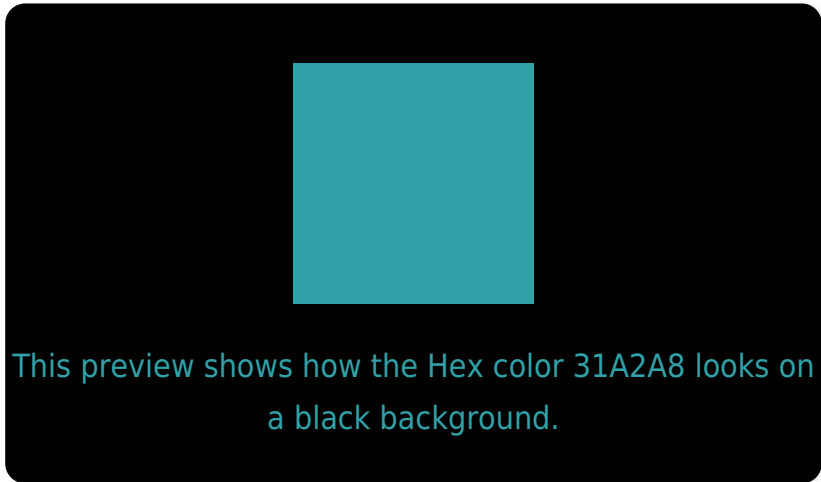
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

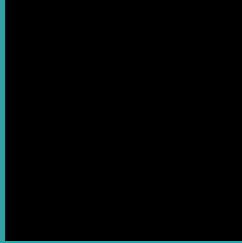
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

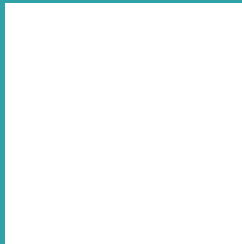
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 31A2A8 Background



This preview shows how black text looks on a background with the Hex color 31A2A8.

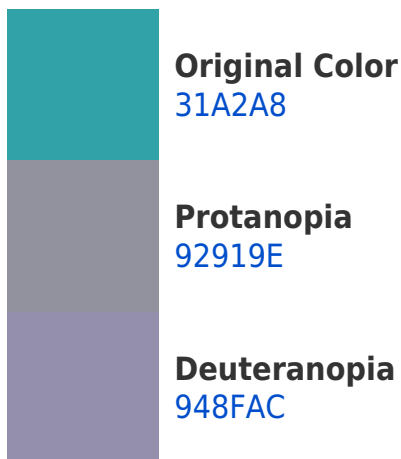


This preview shows how white text looks on a background with the Hex color 31A2A8.

# 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](#).

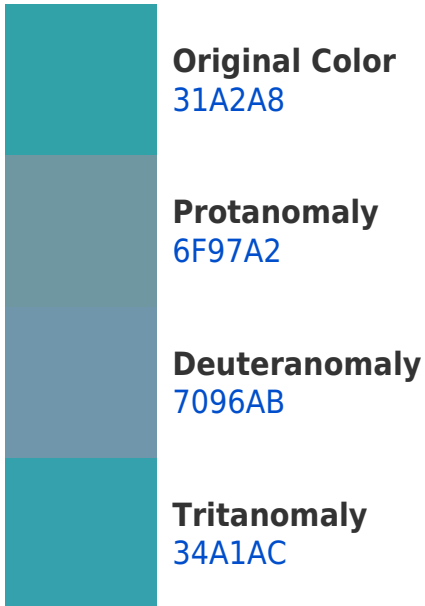
## Dichromacy



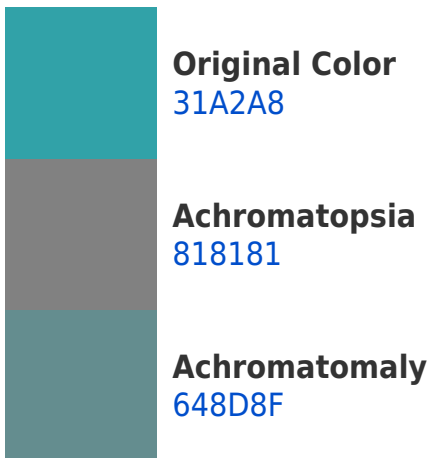


**Tritanopia**  
35A1AE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31A2A8 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 #31A2A8 looks like.

```
.text, #text, p{  
    color:#31A2A8  
}
```

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 #31A2A8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31A2A8
}
```

## Border

The CSS property to change the border of an element to Hex 31A2A8 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
#31A2A8 }
```

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

```
.border{ border-color:#31A2A8 }
```

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

Here you see how a box with a 4 pixel #31A2A8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31A2A8; -webkit-box-shadow:4px 4px  
4px 4px #31A2A8; box-shadow:4px 4px 4px  
4px #31A2A8 }
```

# Background

The CSS property to change the background color of an element to Hex 31A2A8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31A2A8 }
```

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

```
.background{ background-color:#31A2A8 }
```

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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