

# Converting Colors

Hex(31A291)

Have a look what the booklet for  
Hex(31A291) contains.

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# Color

**Hex(31A291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31A291
RGB	49, 162, 145
RGB Percent	19%, 64%, 57%
CMY	0.8078, 0.3647, 0.4314
CMYK	0.70, 0.00, 0.10, 0.36
HSL	171°, 54%, 41%
HSV	171°, 70%, 64%
XYZ	19.2978, 28.5380, 31.2793
YIQ	126.2750, -61.8910, -29.2430

# Conversions

## Conversions Part 2

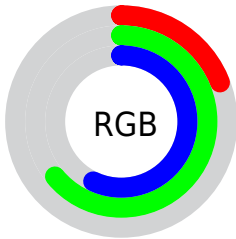
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 110, 162
Decimal	3252881
CIELab	60.37, -35.32, -0.29
CIELCh	60, 35.316, 180.472
Yxy	28.5380, 0.2439, 0.3607
Android (android.graphics.Color)	4281442961 (0xFF31A291)
YUV	126.2750, 9.2314, -67.7702
Hunter-Lab	53.4209, -29.0053, 2.6788

# Details

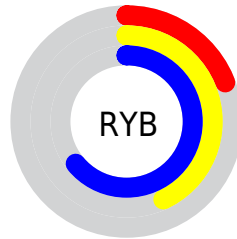
The Hex color **31A291** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **A23142**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **6FD9C7**, and **006E5F** is the 20% darker color. If you saturate the color by 10%, you get **21A28F**, and if you desaturate by 10%, it is **41A293**.

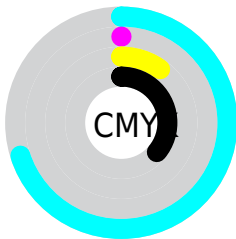
# Distribution



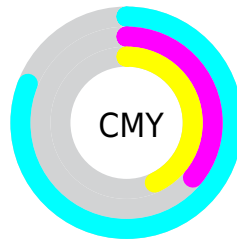
- Red (19%)
- Green (64%)
- Blue (57%)



- Red (19%)
- Yellow (43%)
- Blue (64%)



- Cyan (70%)
- Magenta (0%)
- Yellow (10%)
- Black (36%)



- Cyan (81%)
- Magenta (36%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31A291 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 31A291 by changing the saturation by 10% instead.





31A291



31A291

FFFFFF



008777



6FD9C7



006E5F



8CF6E3



005547



A9FFFF



003D31



C6FFFF



00271C



E4FFFF



000302



000000



31A291



31A291



21A28F



41A293

■ 11A28C

■ 51A296

■ 00A28A

■ 62A298

■ 72A29B

■ 82A29D

■ 92A2A0

■ A2A2A2

■ B3A2A4

■ C3A2A7

# Harmonies

## Analogous

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



5F9F72



31A291



00A1B0

# Triad

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



31A291



9589C7



BE855C

# Complementary

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



31A291



A23142

# 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.



CD7C74



31A291



B97FB1

# Square

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



31A291



6494CF



CC7992



A59053

# Rectangle

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



31A291



009FC1



CC7992



C58163



# Sweetspot

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



31A291



A7D4CD



44A231



506B67



EBEBEB



6B6B6B



# Same Dimension

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



31A291



22D4B9



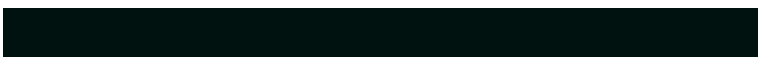
317CA2



495250



00917B



00120F



# Inverse Universe

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



A23142



D4223D



A25731



52494B



910016

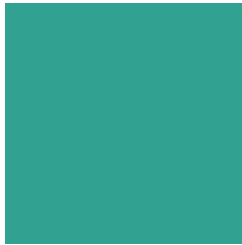


120003



# Previews

## White Background



This preview shows how the Hex color 31A291 looks on a white background.

## Color Contrast Check

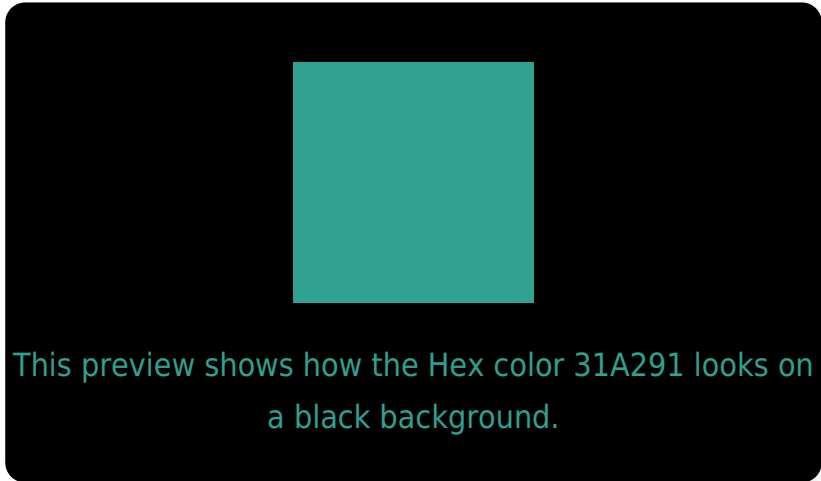
Large Text (above 18pt) WCAG AA ✓ Pass

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

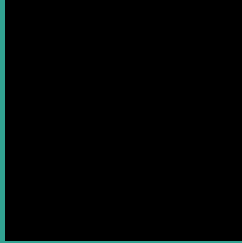
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 31A291 Background



This preview shows how black text looks on a background with the Hex color 31A291.

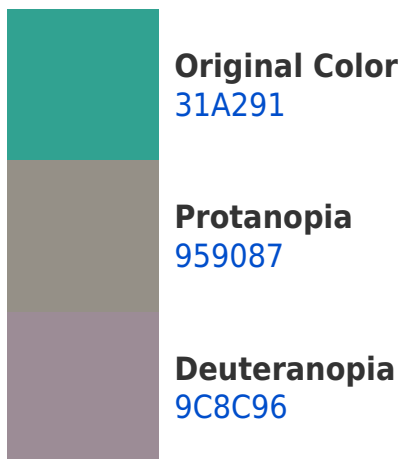


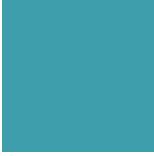
This preview shows how white text looks on a background with the Hex color 31A291.

# 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**  
3E9EAB

# Trichromacy



**Original Color**  
31A291



**Protanomaly**  
71978B



**Deuteranomaly**  
759494



**Tritanomaly**  
399FA2

# Monochromacy



**Original Color**  
31A291



**Achromatopsia**  
7E7E7E



**Achromatomaly**  
628B85

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31A291 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 #31A291 looks like.

```
.text, #text, p{  
    color:#31A291  
}
```

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 #31A291 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31A291
}
```

## Border

The CSS property to change the border of an element to Hex 31A291 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
#31A291 }
```

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

```
.border{ border-color:#31A291 }
```

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

Here you see how a box with a 4 pixel #31A291 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31A291; -webkit-box-shadow:4px 4px  
4px 4px #31A291; box-shadow:4px 4px 4px  
4px #31A291 }
```

# Background

The CSS property to change the background color of an element to Hex 31A291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31A291 }
```

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

```
.background{ background-color:#31A291 }
```

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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