

# Converting Colors

Hex(31999B)

Have a look what the booklet for  
Hex(31999B) contains.

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**Color**

**Hex(31999B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31999B
RGB	49, 153, 155
RGB Percent	19%, 60%, 61%
CMY	0.8078, 0.4000, 0.3922
CMYK	0.68, 0.01, 0.00, 0.39
HSL	181°, 52%, 40%
HSV	181°, 68%, 61%
XYZ	18.5742, 25.8020, 35.0117
YIQ	122.1320, -62.6260, -21.4260

# Conversions

## Conversions Part 2

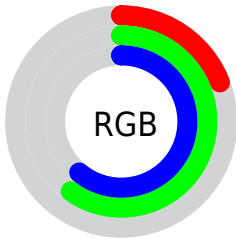
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 101, 155
Decimal	3250587
CIELab	57.85, -28.16, -9.69
CIElCh	58, 29.781, 198.996
Yxy	25.8020, 0.2340, 0.3250
Android (android.graphics.Color)	4281440667 (0xFF31999B)
YUV	122.1320, 16.2039, -64.1368
Hunter-Lab	50.7957, -23.6210, -5.3095

# Details

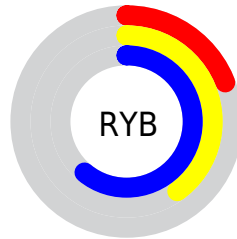
The Hex color **31999B** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9B3331**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **6ED0D1**, and **006568** is the 20% darker color. If you saturate the color by 10%, you get **21999B**, and if you desaturate by 10%, it is **41999B**.

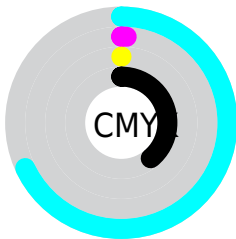
# Distribution



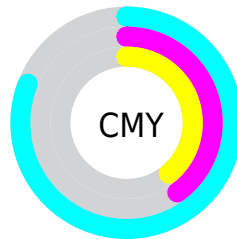
- Red (19%)
- Green (60%)
- Blue (61%)



- Red (19%)
- Yellow (40%)
- Blue (61%)



- Cyan (68%)
- Magenta (1%)
- Yellow (0%)
- Black (39%)




- Cyan (81%)
- Magenta (40%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 31999B 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 31999B by changing the saturation by 10% instead.



 31999B

 31999B

FFFFFF

 007F81

 6ED0D1

 006568

 8BECEE

 004D50

 A8FFFF

 003639


 C5FFFF


 002223

 E3FFFF

 00010E

 000000

 31999B

 31999B

 21999B

 41999B

12989B

509A9B

02989B

5F9A9B

00989B

6F9A9B

7E9A9B

8E9B9B

9D9B9B

AD9B9B

BC9C9B

# Harmonies

## Analogous

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



4E9880



31999B



3296B1

# Triad

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



31999B



A27EAD



A58658

# Complementary

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



31999B



9B3331

# 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.



B77D65



31999B



B87896

# Square

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



31999B



8188BC



BE787B



8C8F59

# Rectangle

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



31999B



4993BB



BE787B



AC835B



# Sweetspot

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



31999B



9FC9C9



319B33



4D6666



E6E6E6



666666



# Same Dimension

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



31999B



24C6C9



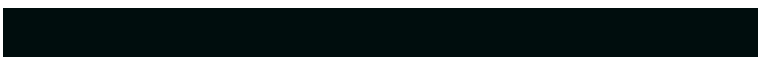
31649B



454C4D



008A8C



000D0D



# Inverse Universe

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



9B3199



C924C6



9B6831



4D454C



8C008A

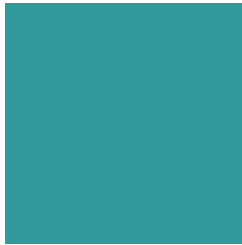


0D000D



# Previews

## White Background



This preview shows how the Hex color 31999B looks on a white background.

## Color Contrast Check

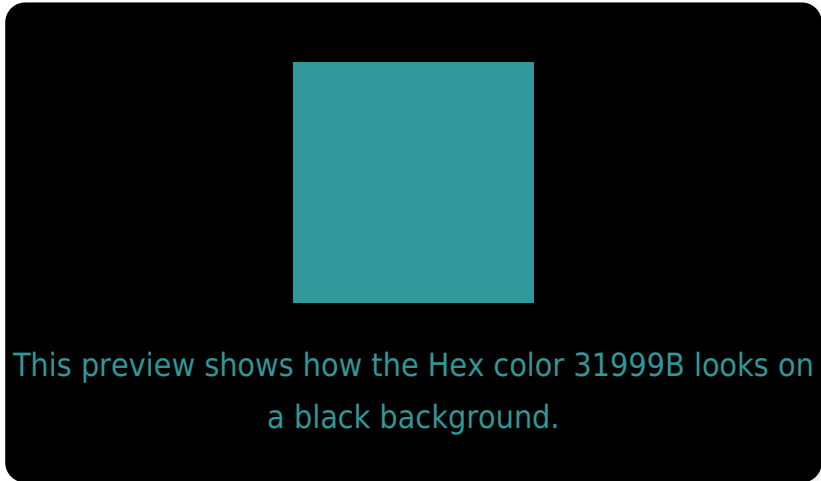
Large Text (above 18pt) WCAG AA ✓ Pass

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

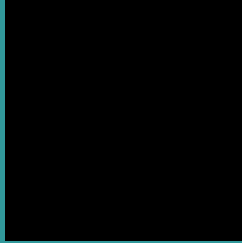
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 31999B Background



This preview shows how black text looks on a background with the Hex color 31999B.

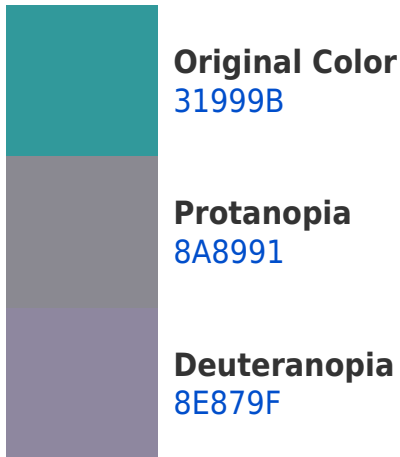


This preview shows how white text looks on a background with the Hex color 31999B.

# 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**  
3698A4

# Trichromacy



**Original Color**  
31999B



**Protanomaly**  
6A8F95



**Deuteranomaly**  
6C8E9E



**Tritanomaly**  
3498A1

# Monochromacy



**Original Color**  
31999B



**Achromatopsia**  
7A7A7A



**Achromatomaly**  
5F8586

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31999B 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 #31999B looks like.

```
.text, #text, p{  
    color:#31999B  
}
```

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 #31999B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31999B
}
```

## Border

The CSS property to change the border of an element to Hex 31999B 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
#31999B }
```

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

```
.border{ border-color:#31999B }
```

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

Here you see how a box with a 4 pixel #31999B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31999B; -webkit-box-shadow:4px 4px  
4px 4px #31999B; box-shadow:4px 4px 4px  
4px #31999B }
```

# Background

The CSS property to change the background color of an element to Hex 31999B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31999B }
```

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

```
.background{ background-color:#31999B }
```

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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