

# Converting Colors

Hex(33A39A)

Have a look what the booklet for  
Hex(33A39A) contains.

<b>Hex(33A39A)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(33A39A)

# Conversions

## Conversions Part 1

Format	Color
Hex	33A39A
RGB	51, 163, 154
RGB Percent	20%, 64%, 60%
CMY	0.8000, 0.3608, 0.3961
CMYK	0.69, 0.00, 0.06, 0.36
HSL	175°, 52%, 42%
HSV	175°, 69%, 64%
XYZ	20.2952, 29.2313, 35.1444
YIQ	128.4860, -63.8630, -26.5430

# Conversions

## Conversions Part 2

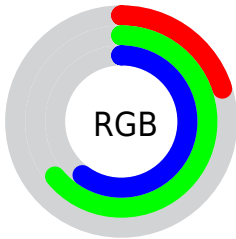
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 109, 163
Decimal	3384218
CIELab	60.99, -32.98, -4.46
CIELCh	61, 33.282, 187.699
Yxy	29.2313, 0.2397, 0.3452
Android (android.graphics.Color)	4281574298 (0xFF33A39A)
YUV	128.4860, 12.5784, -67.9552
Hunter-Lab	54.0660, -27.6105, -0.6940

# Details

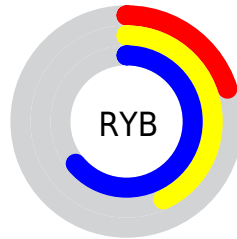
The Hex color **33A39A** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **A3333C**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **71DAD0**, and **006F67** is the 20% darker color. If you saturate the color by 10%, you get **23A399**, and if you desaturate by 10%, it is **43A39B**.

# Distribution



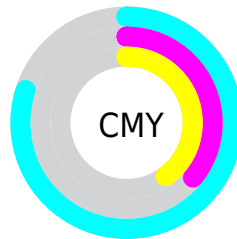
- Red (20%)
- Green (64%)
- Blue (60%)



- Red (20%)
- Yellow (43%)
- Blue (64%)



- Cyan (69%)
- Magenta (0%)
- Yellow (6%)
- Black (36%)



- Cyan (80%)
- Magenta (36%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33A39A 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 33A39A by changing the saturation by 10% instead.





33A39A



33A39A

FFFFFF



008880



71DAD0



006F67



8EF7ED



00564F



ABFFFF



003E38



C8FFFF



002823



E6FFFF



00070E



000000



33A39A



33A39A



23A399



43A39B

■ 12A397

■ 54A39D

■ 02A396

■ 64A39E

■ 00A396

■ 74A39F

■ 85A3A1

■ 95A3A2

■ A5A3A3

■ B5A3A4

■ C6A3A6

# Harmonies

## Analogous

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



5BA17C



33A39A



19A1B6

# Triad

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



33A39A



A089C2



B98A5D

# Complementary

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



33A39A



A3333C

# 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.



C98171



33A39A



BE80AA

# Square

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



33A39A



7593CD



CC7C8D



9F9458

# Rectangle

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



33A39A



329EC4



CC7C8D



C08662



# Sweetspot

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



33A39A



A7D4D0



3CA333



506B69



EBEBEB



6B6B6B



# Same Dimension

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



33A39A



26D4C6



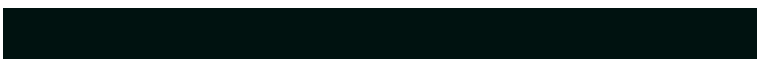
3374A3



495251



009186



001210



# Inverse Universe

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



A3333C



D42634



A36233



52494A



91000C

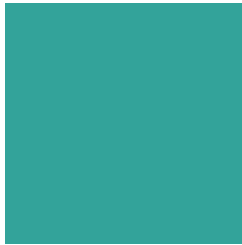


120001



# Previews

## White Background



This preview shows how the Hex color 33A39A looks on a white background.

## Color Contrast Check

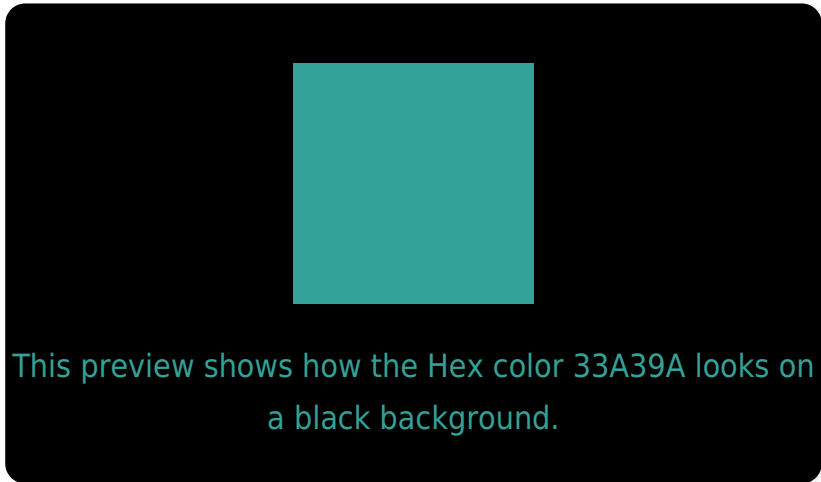
Large Text (above 18pt) WCAG AA ✓ Pass

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

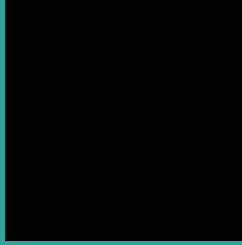
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 33A39A Background



This preview shows how black text looks on a background with the Hex color 33A39A.

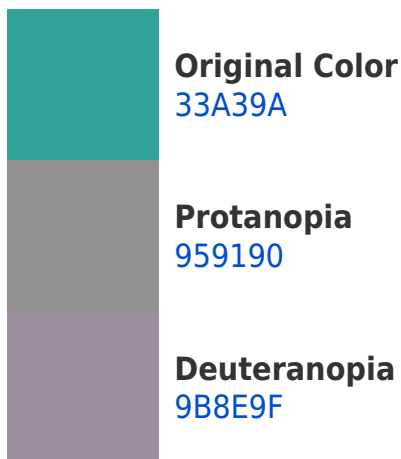


This preview shows how white text looks on a background with the Hex color 33A39A.

# 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](#).

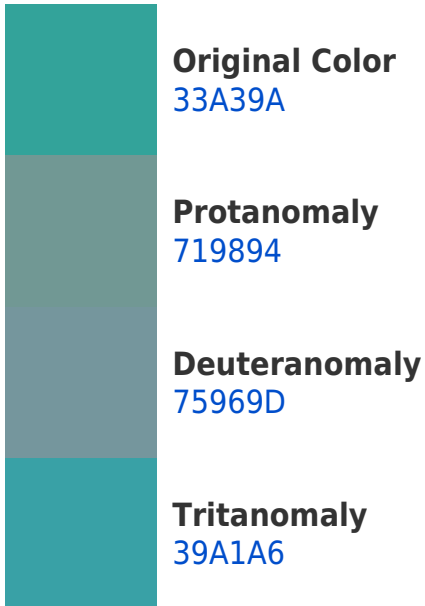
## Dichromacy



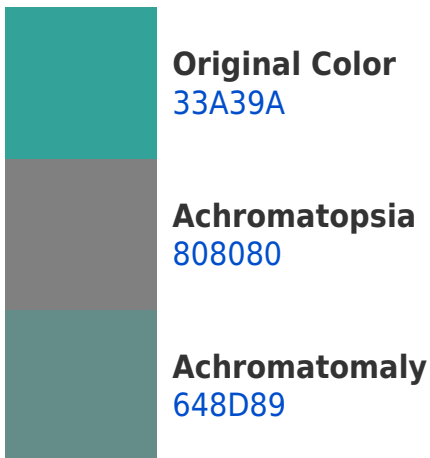


**Tritanopia**  
3DA0AD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33A39A 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 #33A39A looks like.

```
.text, #text, p{  
    color:#33A39A  
}
```

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 #33A39A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33A39A
}
```

## Border

The CSS property to change the border of an element to Hex 33A39A 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
#33A39A }
```

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

```
.border{ border-color:#33A39A }
```

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

Here you see how a box with a 4 pixel #33A39A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33A39A; -webkit-box-shadow:4px 4px  
4px 4px #33A39A; box-shadow:4px 4px 4px  
4px #33A39A }
```

# Background

The CSS property to change the background color of an element to Hex 33A39A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33A39A }
```

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

```
.background{ background-color:#33A39A }
```

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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