

# Converting Colors

Hex(37AA9E)

Have a look what the booklet for  
Hex(37AA9E) contains.

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**Color**

**Hex(37AA9E)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 37AA9E                       |
| RGB         | 55, 170, 158                 |
| RGB Percent | 22%, 67%, 62%                |
| CMY         | 0.7843, 0.3333, 0.3804       |
| CMYK        | 0.68, 0.00, 0.07, 0.33       |
| HSL         | 174°, 51%, 44%               |
| HSV         | 174°, 68%, 67%               |
| XYZ         | 22.1218, 32.0303, 37.3643    |
| YIQ         | 134.2470, -64.6880, -28.1120 |

# Conversions

## Conversions Part 2

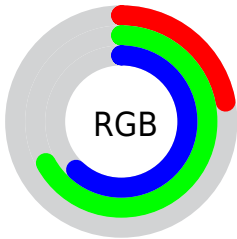
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| <a href="#">RYB</a>                 | 55, 116, 170                   |
| Decimal                             | 3648158                        |
| CIELab                              | 63.37, -34.54, -3.18           |
| CIElCh                              | 63, 34.688, 185.261            |
| Yxy                                 | 32.0303, 0.2417,<br>0.3500     |
| Android<br>(android.graphics.Color) | 4281838238<br>(0xFF37AA9E)     |
| YUV                                 | 134.2470, 11.7102,<br>-69.4996 |
| Hunter-Lab                          | 56.5953, -29.2702,<br>0.4734   |

# Details

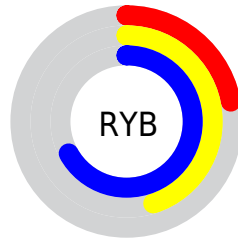
The Hex color **37AA9E** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AA3743**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **75E2D5**, and **00756B** is the 20% darker color. If you saturate the color by 10%, you get **26AA9C**, and if you desaturate by 10%, it is **48AAA0**.

# Distribution



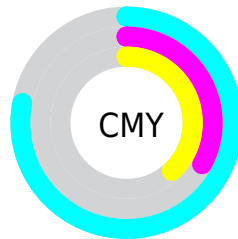
- Red (22%)
- Green (67%)
- Blue (62%)



- Red (22%)
- Yellow (45%)
- Blue (67%)



- Cyan (68%)
- Magenta (0%)
- Yellow (7%)
- Black (33%)



- Cyan (78%)
- Magenta (33%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37AA9E 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 37AA9E by changing the saturation by 10% instead.



 37AA9E

 37AA9E

FFFFFF

 058F84

 75E2D5

 00756B

 92FFF1

 005C53

 AFFFFFF

 00443C

 CDFFFF

 002D26

 EBFFFF

 001512

 000000

 37AA9E

 37AA9E

 26AA9C

 48AAA0

■ 15AA9A

■ 59AAA2

■ 04AA99

■ 6AAAA3

■ 00AA98

■ 7BAAA5

■ 8CAAA7

■ 9DAAA9

■ AEAAAA

■ BFAAAC

■ D0AAAE

# Harmonies

## Analogous

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



62A87F



37AA9E



14A9BC

# Triad

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



37AA9E



A48FCC



C38F62

# Complementary

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



37AA9E



AA3743

# 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.



D38577



37AA9E



C585B4

# Square

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



37AA9E



769BD7



D58195



A9995B

# Rectangle

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



37AA9E



2DA6CB



D58195



CA8B68



# Sweetspot

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



37AA9E



B1DED9



44AA37



55706D



F0F0F0



707070



# Same Dimension

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



37AA9E



2ADEC8



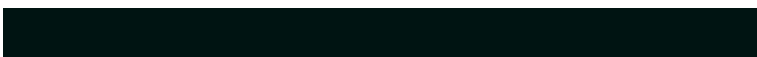
377EAA



4C5453



009484



001412



# Inverse Universe

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



AA3743



DE2A3D



AA6337



544C4D



94000F

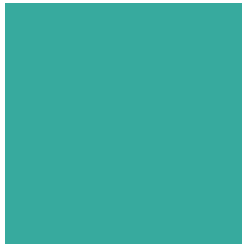


140002



# Previews

## White Background



This preview shows how the Hex color 37AA9E 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 37AA9E 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 37AA9E Background



This preview shows how black text looks on a background with the Hex color 37AA9E.

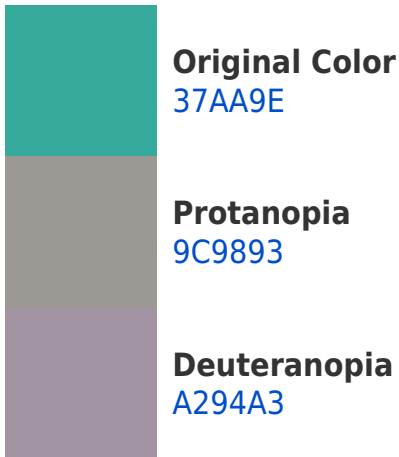


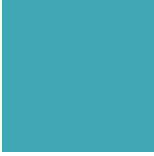
This preview shows how white text looks on a background with the Hex color 37AA9E.

# 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](#).

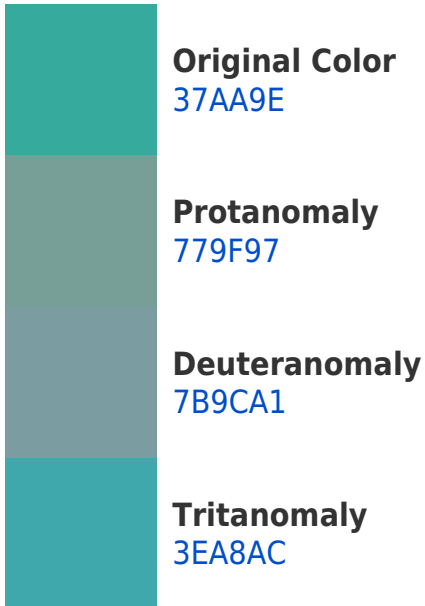
## Dichromacy



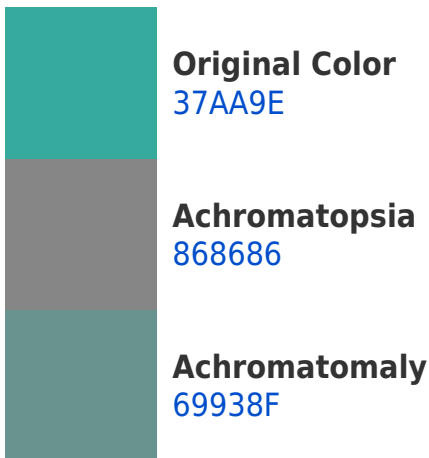


**Tritanopia**  
42A7B4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37AA9E 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 #37AA9E looks like.

```
.text, #text, p{  
    color:#37AA9E  
}
```

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 #37AA9E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37AA9E
}
```

## Border

The CSS property to change the border of an element to Hex 37AA9E 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
#37AA9E }
```

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

```
.border{ border-color:#37AA9E }
```

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

Here you see how a box with a 4 pixel #37AA9E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37AA9E; -webkit-box-shadow:4px 4px  
4px 4px #37AA9E; box-shadow:4px 4px 4px  
4px #37AA9E }
```

# Background

The CSS property to change the background color of an element to Hex 37AA9E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37AA9E }
```

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

```
.background{ background-color:#37AA9E }
```

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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