

# Converting Colors

Hex(27AA9C)

Have a look what the booklet for  
Hex(27AA9C) contains.

<b>Hex(27AA9C)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(27AA9C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27AA9C
RGB	39, 170, 156
RGB Percent	15%, 67%, 61%
CMY	0.8471, 0.3333, 0.3882
CMYK	0.77, 0.00, 0.08, 0.33
HSL	174°, 63%, 41%
HSV	174°, 77%, 67%
XYZ	21.2122, 31.5811, 36.4303
YIQ	129.2350, -73.5820, -32.1260

# Conversions

## Conversions Part 2

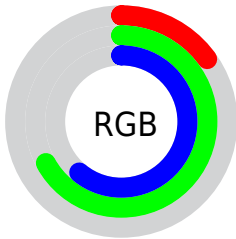
Format	Color
<b>RYB</b>	39, 108, 170
Decimal	2599580
CIELab	63.00, -37.21, -2.65
CIElCh	63, 37.304, 184.068
Yxy	31.5811, 0.2377, 0.3540
Android (android.graphics.Color)	4280789660 (0xFF27AA9C)
YUV	129.2350, 13.1951, -79.1361
Hunter-Lab	56.1971, -30.9681, 0.9027

# Details

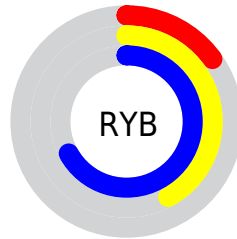
The Hex color **27AA9C** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AA2735**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **6BE2D2**, and **007569** is the 20% darker color. If you saturate the color by 10%, you get **16AA9A**, and if you desaturate by 10%, it is **38AA9E**.

# Distribution



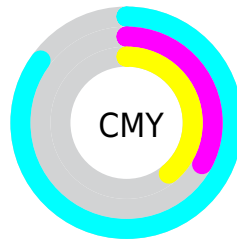
- Red (15%)
- Green (67%)
- Blue (61%)



- Red (15%)
- Yellow (42%)
- Blue (67%)



- Cyan (77%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)



- Cyan (85%)
- Magenta (33%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 27AA9C 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 27AA9C by changing the saturation by 10% instead.



 27AA9C

 27AA9C

FFFFFF

 008F82

 6BE2D2

 007569

 89FFEF

 005C51

 A7FFFF

 00433A

 C4FFFF

 002C24

 E2FFFF

 001310

 000000

 27AA9C

 27AA9C

 16AA9A

 38AA9E

■ 05AA98

■ 49AAA0

■ 00AA98

■ 5AAAA1

■ 6BAAA3

■ 7CAAA5

■ 8DAAA7

■ 9EAAA9

■ AFAAAB

■ C0AAAC

# Harmonies

## Analogous

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



5DA87A



27AA9C



00A9BD

# Triad

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



27AA9C



A28ECF



C58C5D

# Complementary

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



27AA9C



AA2735

# 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.



D68275



27AA9C



C683B6

# Square

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



27AA9C



6E9ADA



D77E95



A99855

# Rectangle

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



27AA9C



00A6CD



D77E95



CC8964



# Sweetspot

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



27AA9C



ABDED8



36AA27



51706D



F0F0F0



707070



# Same Dimension

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



27AA9C



12DEC8



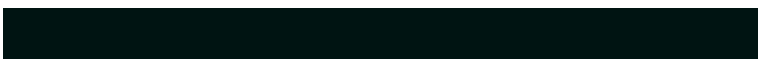
2778AA



4C5453



009484



001412



# Inverse Universe

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



AA2735



DE1228



AA5927



544C4D



940010

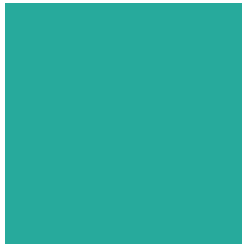


140002



# Previews

## White Background



This preview shows how the Hex color 27AA9C looks on a white background.

## Color Contrast Check

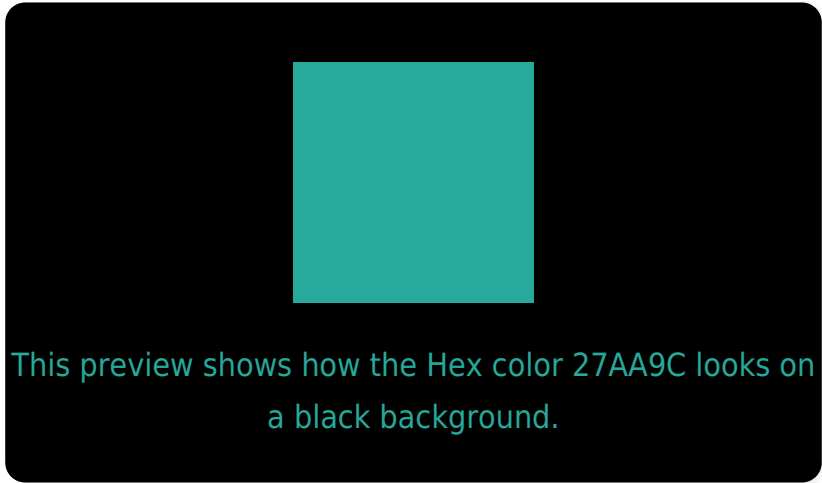
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

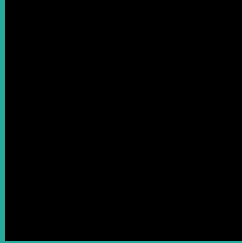
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 27AA9C Background



This preview shows how black text looks on a background with the Hex color 27AA9C.

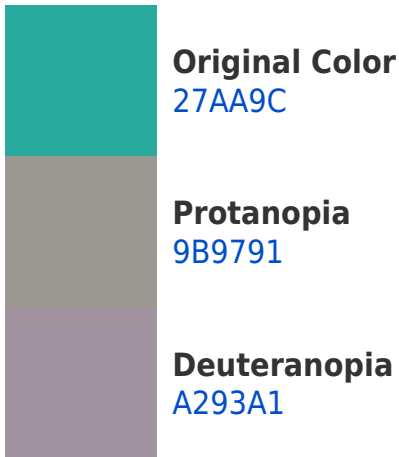


This preview shows how white text looks on a background with the Hex color 27AA9C.

# 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](#).

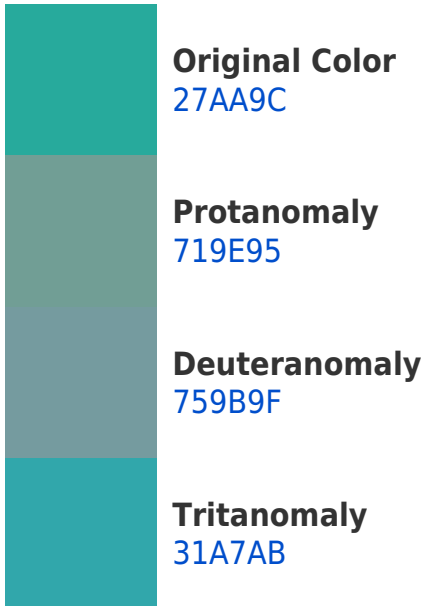
## Dichromacy



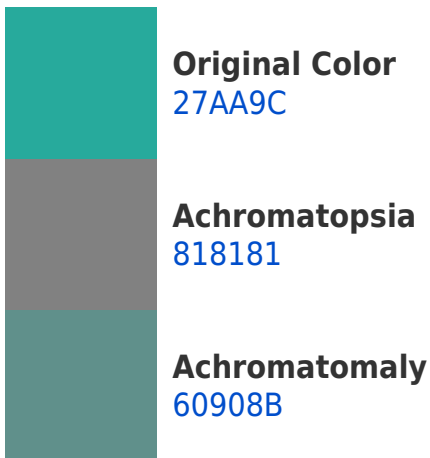


**Tritanopia**  
37A6B4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 27AA9C 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 #27AA9C looks like.

```
.text, #text, p{  
    color:#27AA9C  
}
```

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 #27AA9C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #27AA9C
}
```

## Border

The CSS property to change the border of an element to Hex 27AA9C 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
#27AA9C }
```

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

```
.border{ border-color:#27AA9C }
```

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

Here you see how a box with a 4 pixel #27AA9C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #27AA9C; -webkit-box-shadow:4px 4px  
4px 4px #27AA9C; box-shadow:4px 4px 4px  
4px #27AA9C }
```

# Background

The CSS property to change the background color of an element to Hex 27AA9C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#27AA9C }
```

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

```
.background{ background-color:#27AA9C }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor