

# Converting Colors

Hex(27AA99)

Have a look what the booklet for  
Hex(27AA99) contains.

<b>Hex(27AA99)</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(27AA99)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27AA99
RGB	39, 170, 153
RGB Percent	15%, 67%, 60%
CMY	0.8471, 0.3333, 0.4000
CMYK	0.77, 0.00, 0.10, 0.33
HSL	172°, 63%, 41%
HSV	172°, 77%, 67%
XYZ	20.9612, 31.4807, 35.1086
YIQ	128.8930, -72.6190, -33.0590

# Conversions

## Conversions Part 2

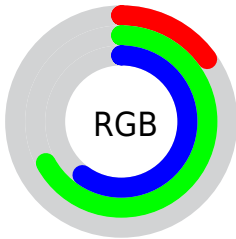
<b>Format</b>	<b>Color</b>
<b>RYB</b>	39, 109, 170
Decimal	2599577
CIELab	62.91, -38.05, -1.09
CIELCh	63, 38.066, 181.643
Yxy	31.4807, 0.2394, 0.3596
Android (android.graphics.Color)	4280789657 (0xFF27AA99)
YUV	128.8930, 11.8848, -78.8362
Hunter-Lab	56.1077, -31.5028, 2.1755

# Details

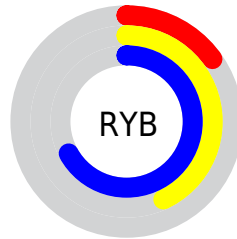
The Hex color **27AA99** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AA2738**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **6BE2CF**, and **007566** is the 20% darker color. If you saturate the color by 10%, you get **16AA97**, and if you desaturate by 10%, it is **38AA9B**.

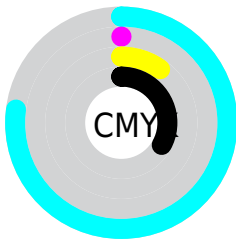
# Distribution



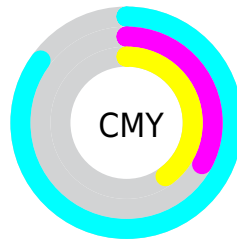
- Red (15%)
- Green (67%)
- Blue (60%)



- Red (15%)
- Yellow (43%)
- Blue (67%)



- Cyan (77%)
- Magenta (0%)
- Yellow (10%)
- Black (33%)



- Cyan (85%)
- Magenta (33%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 27AA99 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 27AA99 by changing the saturation by 10% instead.



 27AA99

 27AA99

FFFFFF

 008F7F

 6BE2CF

 007566

 89FFEB

 005C4E

 A6FFFF

 004337

 C4FFFF

 002C22

 E2FFFF

 00120D

 000000

 27AA99

 27AA99

 16AA97

 38AA9B

05AA95

49AA9D

00AA94

5AAAA0

6BAAA2

7CAAA4

8DAAA6

9EAAA8

AFAAAB

C0AAAD

# Harmonies

## Analogous

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



5FA777



27AA99



00A9BB

# Triad

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



27AA99



9E8FD2



C88B5D

# Complementary

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



27AA99



AA2738

# 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.



D88176



27AA99



C483B9

# Square

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



27AA99



679BDB



D77D98



AC9754

# Rectangle

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



27AA99



00A6CC



D77D98



CF8764



# Sweetspot

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



27AA99



ABDED7



38AA27



51706C



F0F0F0



707070



# Same Dimension

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



27AA99



12DEC3



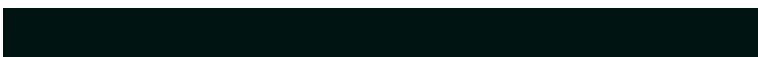
277AAA



4C5453



009481



001412



# Inverse Universe

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



AA2738



DE122C



AA5727



544C4D



940013



140003



# Previews

## White Background



This preview shows how the Hex color 27AA99 looks on a white background.

## Color Contrast Check

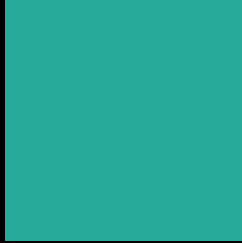
Large Text (above 18pt) WCAG AA × Fail

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 27AA99 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 27AA99 Background



This preview shows how black text looks on a background with the Hex color 27AA99.

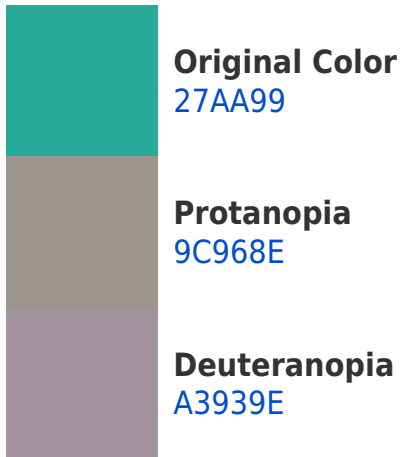


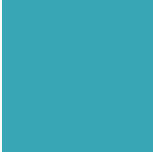
This preview shows how white text looks on a background with the Hex color 27AA99.

# 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



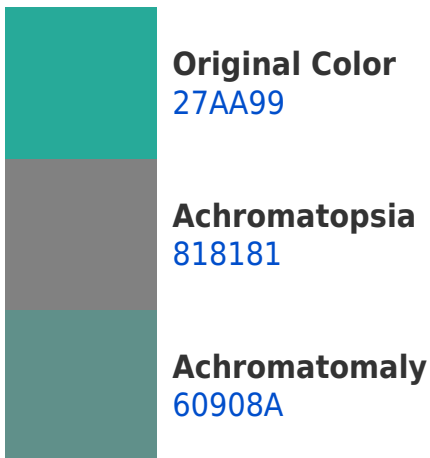


**Tritanopia**  
38A6B4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 27AA99 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 #27AA99 looks like.

```
.text, #text, p{  
    color:#27AA99  
}
```

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 #27AA99 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #27AA99
}
```

## Border

The CSS property to change the border of an element to Hex 27AA99 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
#27AA99 }
```

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

```
.border{ border-color:#27AA99 }
```

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

Here you see how a box with a 4 pixel #27AA99 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #27AA99; -webkit-box-shadow:4px 4px  
4px 4px #27AA99; box-shadow:4px 4px 4px  
4px #27AA99 }
```

# Background

The CSS property to change the background color of an element to Hex 27AA99 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#27AA99 }
```

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

```
.background{ background-color:#27AA99 }
```

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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