

# Converting Colors

Hex(49999D)

Have a look what the booklet for  
Hex(49999D) contains.

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**Color**

**Hex(49999D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	49999D
RGB	73, 153, 157
RGB Percent	29%, 60%, 62%
CMY	0.7137, 0.4000, 0.3843
CMYK	0.54, 0.03, 0.00, 0.38
HSL	183°, 37%, 45%
HSV	183°, 54%, 62%
XYZ	20.2247, 26.6333, 35.9731
YIQ	129.5360, -48.9640, -15.7160

# Conversions

## Conversions Part 2

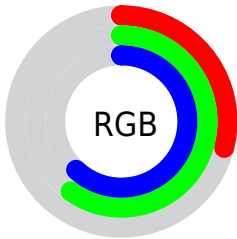
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	73, 114, 157
Decimal	4823453
CIE <sub>Lab</sub>	58.63, -23.19, -9.58
CIE <sub>LCh</sub>	59, 25.093, 202.453
Yxy	26.6333, 0.2442, 0.3215
Android (android.graphics.Color)	4283013533 (0xFF49999D)
YUV	129.5360, 13.5398, -49.5821
Hunter-Lab	51.6074, -20.3597, -5.2030

# Details

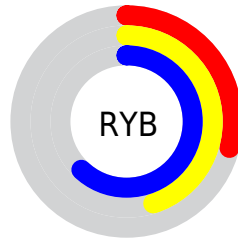
The Hex color **49999D** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9D4D49**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **81D0D4**, and **00666A** is the 20% darker color. If you saturate the color by 10%, you get **39989D**, and if you desaturate by 10%, it is **599A9D**.

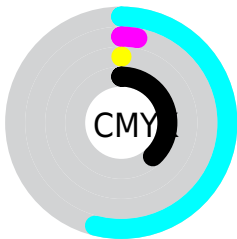
# Distribution



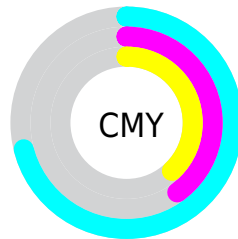
- Red (29%)
- Green (60%)
- Blue (62%)



- Red (29%)
- Yellow (45%)
- Blue (62%)



- Cyan (54%)
- Magenta (3%)
- Yellow (0%)
- Black (38%)



- Cyan (71%)
- Magenta (40%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49999D 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 49999D by changing the saturation by 10% instead.





49999D



49999D

FFFFFF



2B7F83



81D0D4



00666A



9DECF0



004D52



B9FFFF



00363B



D6FFFF



002125



F3FFFF



000110



000000



49999D



49999D



39989D



599A9D

■ 2A989D

■ 689A9D

■ 1A979D

■ 789B9D

■ 0A969D

■ 889C9D

■ 00969D

■ 989D9D

■ A79D9D

■ B79E9D

■ C79F9D

■ D6A09D

# Harmonies

## Analogous

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



5A9986



49999D



4E96AF

# Triad

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



49999D



A482A8



A28A62

# Complementary

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



49999D



9D4D49

# 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.



B2826B



49999D



B57D94

# Square

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



49999D



8989B6



B97E7D



8B9164

# Rectangle

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



49999D



5F93B6



B97E7D



A88764



# Sweetspot

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



49999D



ABCACC



499D4C



536566



E6E6E6



666666



# Same Dimension

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



49999D



49C6CC



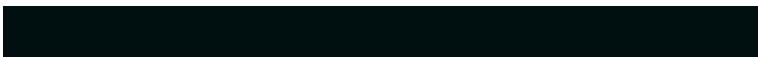
49709D



474F4F



00888F



000F0F



# Inverse Universe

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



9D4999



CC49C6



9D7649



4F474F



8F0088

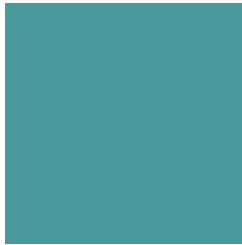


0F000F



# Previews

## White Background



This preview shows how the Hex color 49999D looks on a white background.

## Color Contrast Check

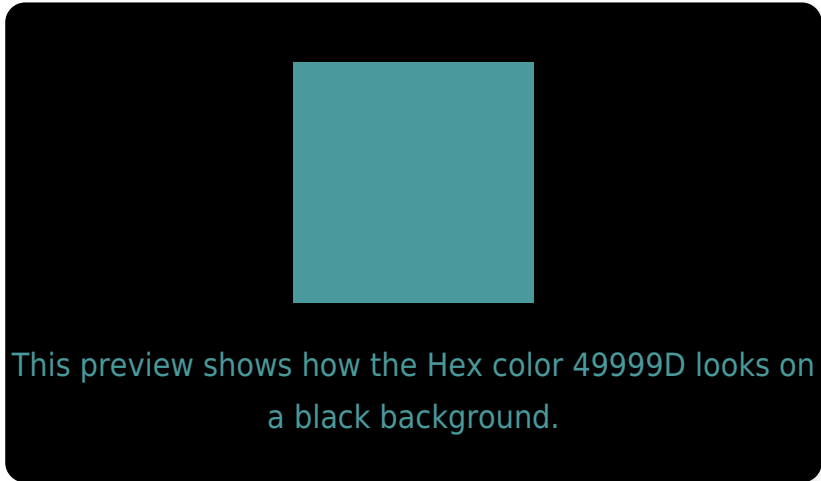
Large Text (above 18pt) WCAG AA ✓ Pass

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

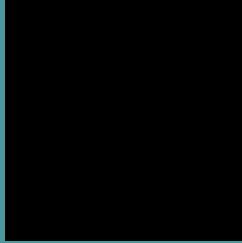
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 49999D Background



This preview shows how black text looks on a background with the Hex color 49999D.

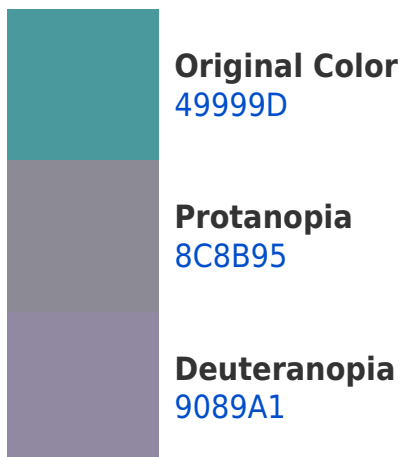


This preview shows how white text looks on a background with the Hex color 49999D.

# 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](#).

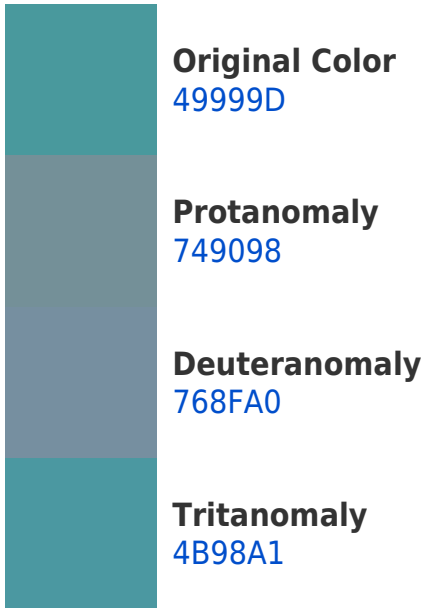
## Dichromacy



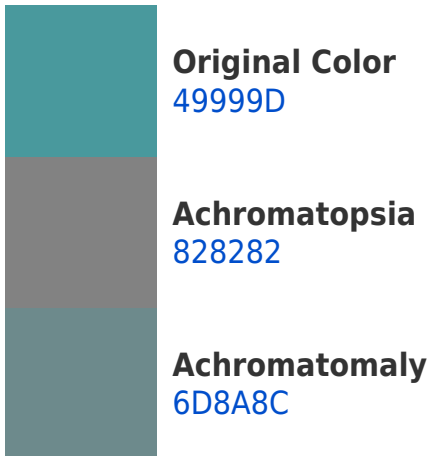


**Tritanopia**  
4C98A4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49999D 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 #49999D looks like.

```
.text, #text, p{  
    color:#49999D  
}
```

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 #49999D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49999D
}
```

## Border

The CSS property to change the border of an element to Hex 49999D 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
#49999D }
```

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

```
.border{ border-color:#49999D }
```

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

Here you see how a box with a 4 pixel #49999D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49999D; -webkit-box-shadow:4px 4px  
4px 4px #49999D; box-shadow:4px 4px 4px  
4px #49999D }
```

# Background

The CSS property to change the background color of an element to Hex 49999D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49999D }
```

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

```
.background{ background-color:#49999D }
```

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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