

# Converting Colors

Hex(009AA0)

Have a look what the booklet for  
Hex(009AA0) contains.

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# Color

Hex(009AA0)

# Conversions

## Conversions Part 1

Format	Color
Hex	009AA0
RGB	0, 154, 160
RGB Percent	0%, 60%, 63%
CMY	1.0000, 0.3961, 0.3725
CMYK	1.00, 0.04, 0.00, 0.37
HSL	182°, 100%, 31%
HSV	182°, 100%, 63%
XYZ	17.9008, 25.6493, 37.2650
YIQ	108.6380, -93.7100, -30.7820

# Conversions

## Conversions Part 2

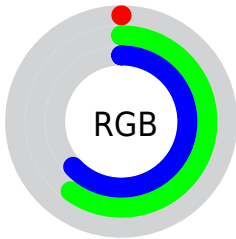
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 78, 160
Decimal	39584
CIELab	57.70, -31.08, -12.82
CIELCh	58, 33.622, 202.422
Yxy	25.6493, 0.2215, 0.3174
Android (android.graphics.Color)	4278229664 (0xFF009AA0)
YUV	108.6380, 25.3215, -95.2755
Hunter-Lab	50.6451, -25.5372, -8.1744

# Details

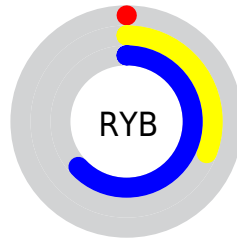
The Hex color **009AA0** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **A00600**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **5CD1D7**, and **00666D** is the 20% darker color. If you saturate the color by 10%, you get **009AA0**, and if you desaturate by 10%, it is **109BA0**.

# Distribution



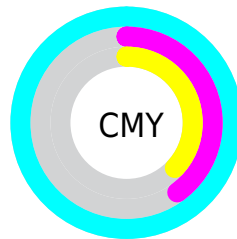
- Red (0%)
- Green (60%)
- Blue (63%)



- Red (0%)
- Yellow (31%)
- Blue (63%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (40%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 009AA0 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 009AA0 by changing the saturation by 10% instead.



 009AA0

 009AA0

FFFFFF

 008086

 5CD1D7

 00666D

 7BEDF3

 004E54

 99FFFF

 00363D

 B7FFFF

 002227

 D5FFFF

 000113

 F3FFFF

 000000

 009AA0

 109BA0

 209BA0

 309CA0

 409CA0

 509DA0

 609EA0

 709EA0

 809FA0

 909FA0

# Harmonies

## Analogous

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



3D9A82



009AA0



1297B8

# Triad

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



009AA0



A87BAF



A48650

# Complementary

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



009AA0



A00600

# 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.



BA7C5D



009AA0



BE7493

# Square

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



009AA0



8386C1



C47576



879053

# Rectangle

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



009AA0



3F93C2



C47576



AD8353



# Sweetspot

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



009AA0



92CFD1



00A005



436769



E8E8E8



696969



# Same Dimension

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



009AA0



00C9D1



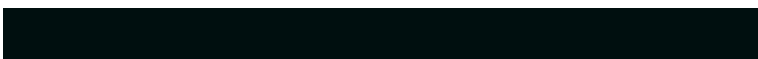
004BA0



474F4F



00898F



000F0F



# Inverse Universe

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



A0009A



D100C9



A05500



4F474F



8F0089



0F000F



# Previews

## White Background



This preview shows how the Hex color 009AA0 looks on a white background.

## Color Contrast Check

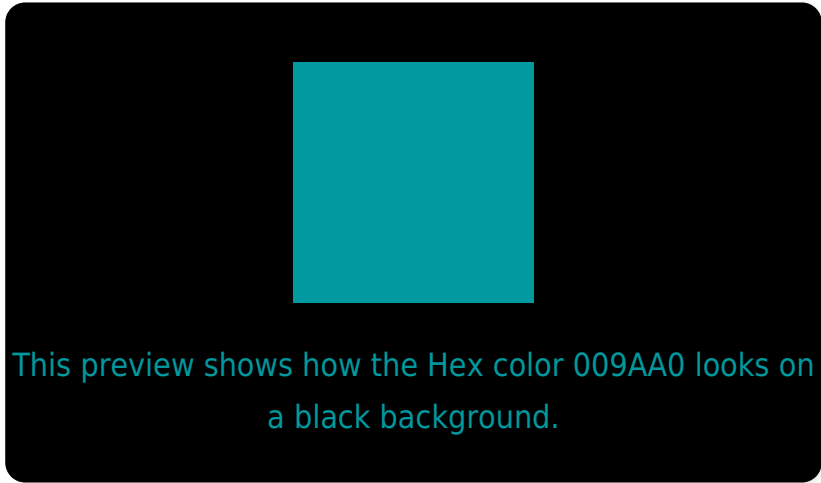
Large Text (above 18pt) WCAG AA ✓ Pass

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

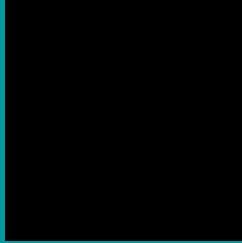
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 009AA0 Background



This preview shows how black text looks on a background with the Hex color 009AA0.

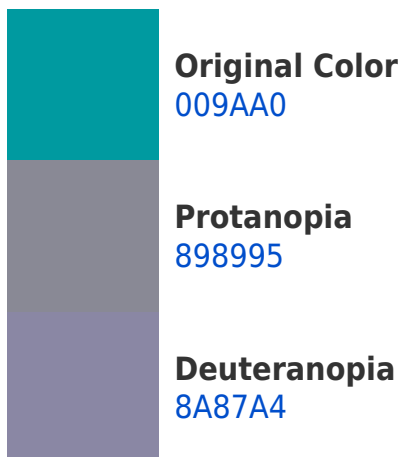


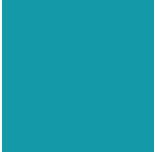
This preview shows how white text looks on a background with the Hex color 009AA0.

# 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**  
1599A6

# Trichromacy



**Original Color**  
009AA0



**Protanomaly**  
578F99



**Deuteranomaly**  
588EA3



**Tritanomaly**  
0D99A4

# Monochromacy



**Original Color**  
009AA0



**Achromatopsia**  
6D6D6D



**Achromatomaly**  
457D80

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009AA0 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 #009AA0 looks like.

```
.text, #text, p{  
    color:#009AA0  
}
```

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 #009AA0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009AA0
}
```

## Border

The CSS property to change the border of an element to Hex 009AA0 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
#009AA0 }
```

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

```
.border{ border-color:#009AA0 }
```

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

Here you see how a box with a 4 pixel #009AA0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009AA0; -webkit-box-shadow:4px 4px  
4px 4px #009AA0; box-shadow:4px 4px 4px  
4px #009AA0 }
```

# Background

The CSS property to change the background color of an element to Hex 009AA0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009AA0 }
```

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

```
.background{ background-color:#009AA0 }
```

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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