

# Converting Colors

Hex(009FB0)

Have a look what the booklet for  
Hex(009FB0) contains.

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# Color

**Hex(009FB0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009FB0
RGB	0, 159, 176
RGB Percent	0%, 62%, 69%
CMY	1.0000, 0.3765, 0.3098
CMYK	1.00, 0.10, 0.00, 0.31
HSL	186°, 100%, 35%
HSV	186°, 100%, 69%
XYZ	20.2346, 27.9309, 45.3990
YIQ	113.3970, -100.2210, -28.4210

# Conversions

## Conversions Part 2

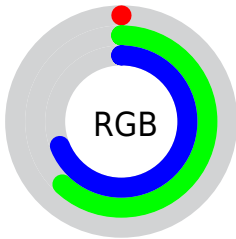
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 84, 176
Decimal	40880
CIELab	59.83, -28.28, -18.68
CIELCh	60, 33.895, 213.442
Yxy	27.9309, 0.2163, 0.2985
Android (android.graphics.Color)	4278230960 (0xFF009FB0)
YUV	113.3970, 30.8633, -99.4492
Hunter-Lab	52.8497, -24.1444, -13.9367

# Details

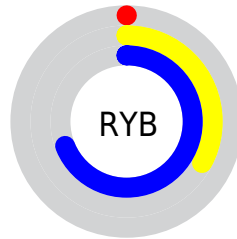
The Hex color **009FB0** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **B01100**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **5FD6E8**, and **006B7B** is the 20% darker color. If you saturate the color by 10%, you get **009FB0**, and if you desaturate by 10%, it is **12A1B0**.

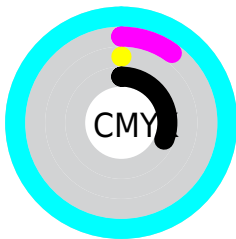
# Distribution



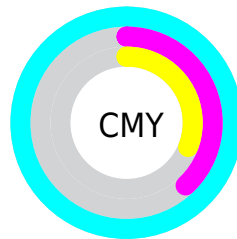
- Red (0%)
- Green (62%)
- Blue (69%)



- Red (0%)
- Yellow (33%)
- Blue (69%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (38%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 009FB0 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 009FB0 by changing the saturation by 10% instead.



 009FB0

 009FB0

FFFFFF

 008595

 5FD6E8

 006B7B

 7FF3FF

 005263

 9DFFFF

 003B4B

 BBFFFF

 002534

 D9FFFF

 00021F

 F8FFFF

 000003

 000000

 009FB0

 12A1B0

 23A2B0

 35A4B0

 46A6B0

 58A8B0

 6AA9B0

 7BABB0

 8DADB0

 9EAEB0

# Harmonies

## Analogous

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



32A093



009FB0



339AC5

# Triad

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



009FB0



B97DAB



A08F54

# Complementary

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



009FB0



B01100

# 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.



B9855B



009FB0



C9798E

# Square

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



009FB0



9887C2



C87C71



81985D

# Rectangle

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



009FB0



5995CB



C87C71



AA8C55



# Sweetspot

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



009FB0



A1DFE6



00B00F



496F73



F2F2F2



737373

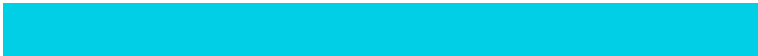


# Same Dimension

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



009FB0



00CFE6



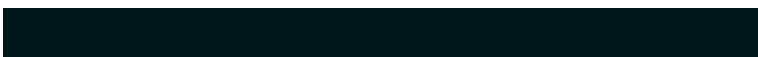
0049B0



505859



008A99



00171A



# Inverse Universe

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



B0009F



E600CF



B06700



595058



99008A



1A0017



# Previews

## White Background



This preview shows how the Hex color 009FB0 looks on a white background.

## Color Contrast Check

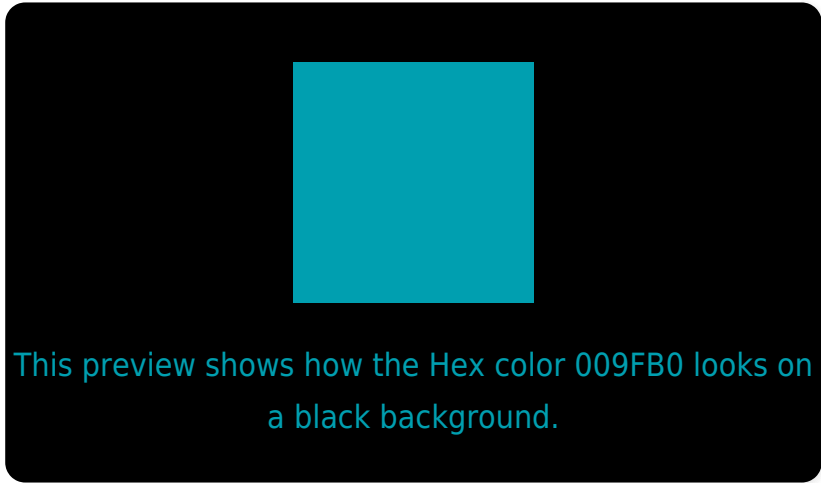
Large Text (above 18pt) WCAG AA ✓ Pass

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

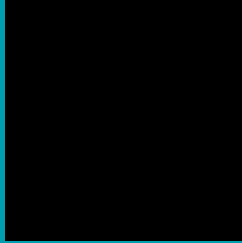
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 009FB0 Background



This preview shows how black text looks on a background with the Hex color 009FB0.

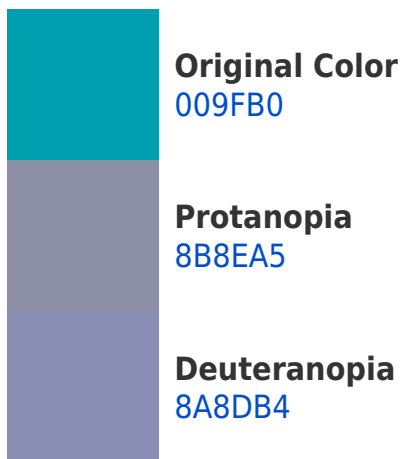


This preview shows how white text looks on a background with the Hex color 009FB0.

# 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





# Trichromacy



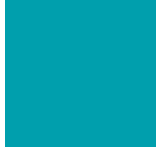
**Original Color**  
009FB0



**Protanomaly**  
5894A9



**Deuteranomaly**  
5894B3



**Tritanomaly**  
009FAD

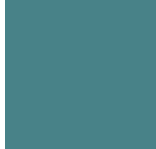
# Monochromacy



**Original Color**  
009FB0



**Achromatopsia**  
717171



**Achromatomaly**  
488288

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009FB0 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 #009FB0 looks like.

```
.text, #text, p{  
    color:#009FB0  
}
```

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 #009FB0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009FB0
}
```

## Border

The CSS property to change the border of an element to Hex 009FB0 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
#009FB0 }
```

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

```
.border{ border-color:#009FB0 }
```

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

Here you see how a box with a 4 pixel #009FB0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009FB0; -webkit-box-shadow:4px 4px  
4px 4px #009FB0; box-shadow:4px 4px 4px  
4px #009FB0 }
```

# Background

The CSS property to change the background color of an element to Hex 009FB0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009FB0 }
```

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

```
.background{ background-color:#009FB0 }
```

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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