

# Converting Colors

Hex(009C91)

Have a look what the booklet for  
Hex(009C91) contains.

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**Color**

**Hex(009C91)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009C91
RGB	0, 156, 145
RGB Percent	0%, 61%, 57%
CMY	1.0000, 0.3882, 0.4314
CMYK	1.00, 0.00, 0.07, 0.39
HSL	176°, 100%, 31%
HSV	176°, 100%, 61%
XYZ	16.9993, 25.8213, 30.8761
YIQ	108.1020, -89.4450, -36.4930

# Conversions

## Conversions Part 2

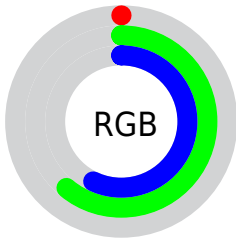
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 81, 156
Decimal	40081
CIELab	57.87, -36.68, -4.04
CIELCh	58, 36.905, 186.284
Yxy	25.8213, 0.2307, 0.3504
Android (android.graphics.Color)	4278230161 (0xFF009C91)
YUV	108.1020, 18.1907, -94.8055
Hunter-Lab	50.8146, -29.2110, -0.4557

# Details

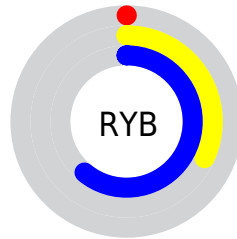
The Hex color **009C91** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9C000B**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **5AD3C7**, and **00685F** is the 20% darker color. If you saturate the color by 10%, you get **009C91**, and if you desaturate by 10%, it is **109C92**.

# Distribution



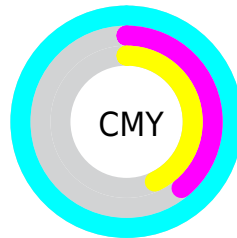
- Red (0%)
- Green (61%)
- Blue (57%)



- Red (0%)
- Yellow (32%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 009C91 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 009C91 by changing the saturation by 10% instead.



 009C91

 009C91


FFFFFF

 008277

 5AD3C7

 00685F

 79F0E3

 004F47

 97FFFF

 003731

 B4FFFF

 00231C

 D2FFFF

 000001

 F0FFFF

 000000

 009C91

 109C92

 1F9C93

 2F9C94

 3E9C95

 4E9C96

 5E9C98

 6D9C99

 7D9C9A

 8C9C9B

# Harmonies

## Analogous

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



4D9A70



009C91



009BB0

# Triad

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



009C91



9780BF



B58050

# Complementary

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



009C91



9C000B

# 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.



C67666



009C91



B975A6

# Square

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



009C91



658CCB



C87185



998B4A

# Rectangle

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



009C91



0098C0



C87185



BC7C56



# Sweetspot

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



009C91



8FCCC8



0D9C00



416663



E6E6E6



666666



# Same Dimension

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



009C91



00CCBE



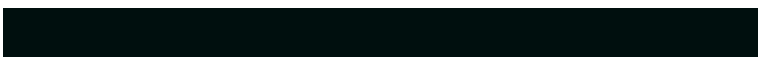
005B9C



474F4E



008F85



000F0E



# Inverse Universe

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



9C000B



CC000E



9C4100



4F4748



8F000A



0F0001



# Previews

## White Background



This preview shows how the Hex color 009C91 looks on a white background.

## Color Contrast Check

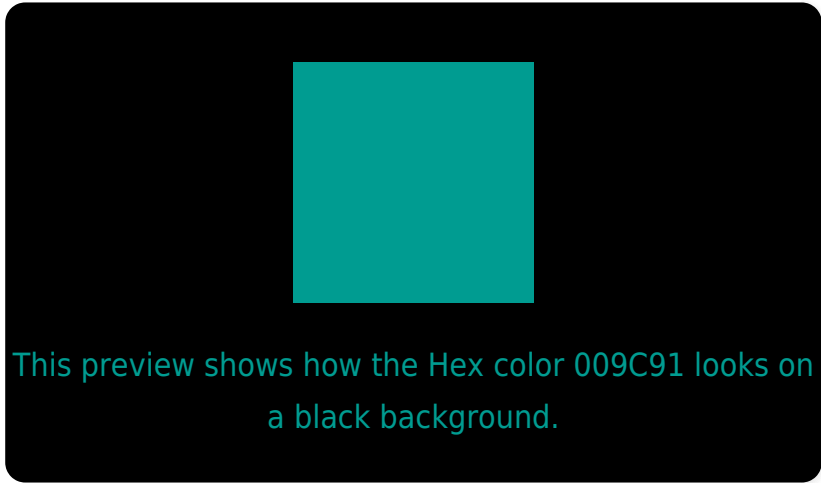
Large Text (above 18pt) WCAG AA ✓ Pass

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

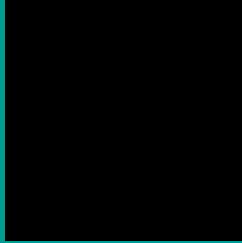
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 009C91 Background



This preview shows how black text looks on a background with the Hex color 009C91.

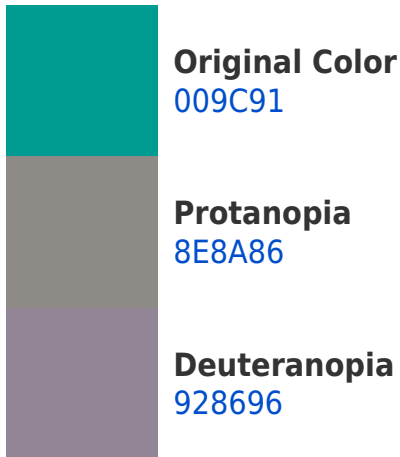


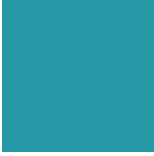
This preview shows how white text looks on a background with the Hex color 009C91.

# 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**  
2599A5

# Trichromacy



**Original Color**  
009C91



**Protanomaly**  
5A918A



**Deuteranomaly**  
5D8E94



**Tritanomaly**  
189A9E

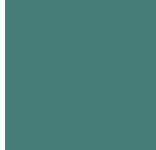
# Monochromacy



**Original Color**  
009C91



**Achromatopsia**  
6C6C6C



**Achromatomaly**  
457D79

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009C91 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 #009C91 looks like.

```
.text, #text, p{  
    color:#009C91  
}
```

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 #009C91 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009C91
}
```

## Border

The CSS property to change the border of an element to Hex 009C91 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
#009C91 }
```

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

```
.border{ border-color:#009C91 }
```

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

Here you see how a box with a 4 pixel #009C91 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009C91; -webkit-box-shadow:4px 4px  
4px 4px #009C91; box-shadow:4px 4px 4px  
4px #009C91 }
```

# Background

The CSS property to change the background color of an element to Hex 009C91 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009C91 }
```

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

```
.background{ background-color:#009C91 }
```

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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