

# Converting Colors

Hex(009CEA)

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

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# Color

**Hex(009CEA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009CEA
RGB	0, 156, 234
RGB Percent	0%, 61%, 92%
CMY	1.0000, 0.3882, 0.0824
CMYK	1.00, 0.33, 0.00, 0.08
HSL	200°, 100%, 46%
HSV	200°, 100%, 92%
XYZ	26.7397, 29.7174, 82.1686
YIQ	118.2480, -118.0140, -8.8140

# Conversions

## Conversions Part 2

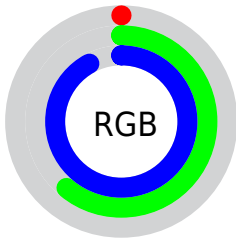
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 94, 234
Decimal	40170
CIELab	61.41, -6.04, -48.62
CIELCh	61, 48.995, 262.921
Yxy	29.7174, 0.1929, 0.2144
Android (android.graphics.Color)	4278230250 (0xFF009CEA)
YUV	118.2480, 57.0657, -103.7035
Hunter-Lab	54.5137, -7.8422, -51.2083

# Details

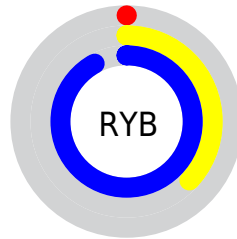
The Hex color **009CEA** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **EA4E00**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **6BD2FF**, and **0069B2** is the 20% darker color. If you saturate the color by 10%, you get **009CEA**, and if you desaturate by 10%, it is **17A4EA**.

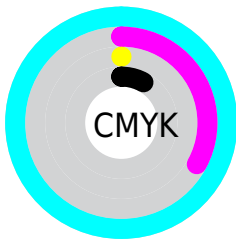
# Distribution



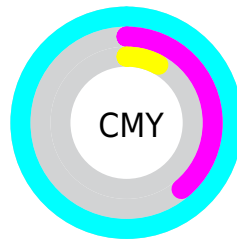
- Red (0%)
- Green (61%)
- Blue (92%)



- Red (0%)
- Yellow (37%)
- Blue (92%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (39%)
- Yellow (8%)

# Brightness & Saturation Gradients

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



 009CEA

 009CEA

FFFFFF

 0082CE

 6BD2FF

 0069B2

 8CEEFF

 005197

 ACFFFF

 003B7C

 CCFFFF

 002663

 EBFFFF

 00114B

 000433

 00021D

 000000

■ 009CEA

■ 17A4EA

■ 2FACEA

■ 46B3EA

■ 5EBBEA

■ 75C3EA

■ 8CCBEA

■ A4D3EA

■ BBDAEA

■ D3E2EA

# Harmonies

## Analogous

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



00A6D9



009CEA



868DE4

# Triad

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



009CEA



E57175



58A55E

# Complementary

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



009CEA



EA4E00

# 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.



8C9C40



009CEA



D57E50

# Square

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



009CEA



DF70A0



B68E3B



00A988

# Rectangle

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



009CEA



B081D4



B68E3B



6BA252

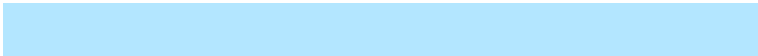


# Sweetspot

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



009CEA



B3E6FF



00EA4E



527080



000000



808080

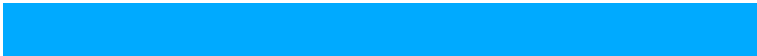


# Same Dimension

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



009CEA



00AAFF



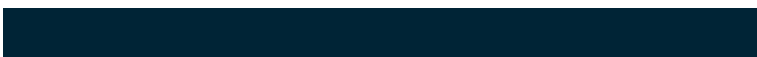
002BEA



6A7175



0079B5



002436



# Inverse Universe

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



EA009C



FF00AA



EAC300



756A71



B50079



360024



# Previews

## White Background



This preview shows how the Hex color 009CEA 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



This preview shows how the Hex color 009CEA looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

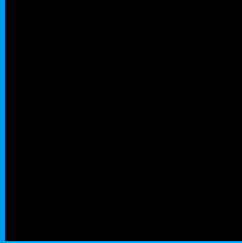
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

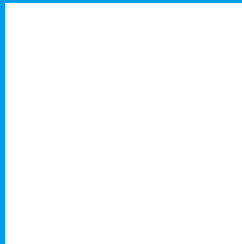
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 009CEA Background



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



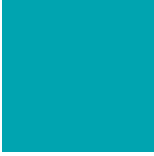
This preview shows how white text looks on a background with the Hex color 009CEA.

# 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**  
00A4B0

# Trichromacy



**Original Color**  
009CEA



**Protanomaly**  
4C95E4



**Deuteranomaly**  
3D97EB



**Tritanomaly**  
00A1C5

# Monochromacy



**Original Color**  
009CEA



**Achromatopsia**  
767676



**Achromatomaly**  
4B84A0

# CSS Examples

## Text

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

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

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 #009CEA colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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