

# Converting Colors

Hex(009BB6)

Have a look what the booklet for  
Hex(009BB6) contains.

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# Color

Hex(009BB6)

# Conversions

## Conversions Part 1

Format	Color
Hex	009BB6
RGB	0, 155, 182
RGB Percent	0%, 61%, 71%
CMY	1.0000, 0.3922, 0.2863
CMYK	1.00, 0.15, 0.00, 0.29
HSL	189°, 100%, 36%
HSV	189°, 100%, 71%
XYZ	20.1648, 26.8201, 48.3700
YIQ	111.7330, -101.0470, -24.4630

# Conversions

## Conversions Part 2

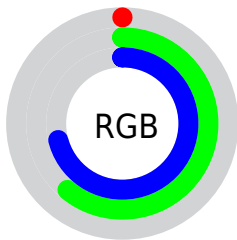
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 84, 182
Decimal	39862
CIELab	58.81, -24.24, -23.63
CIELCh	59, 33.847, 224.271
Yxy	26.8201, 0.2115, 0.2813
Android (android.graphics.Color)	4278229942 (0xFF009BB6)
YUV	111.7330, 34.6416, -97.9898
Hunter-Lab	51.7881, -21.1263, -19.1250

# Details

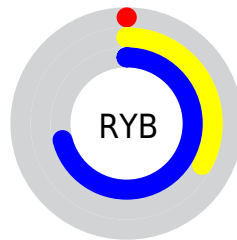
The Hex color **009BB6** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **B61B00**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **60D2EE**, and **006781** is the 20% darker color. If you saturate the color by 10%, you get **009BB6**, and if you desaturate by 10%, it is **129EB6**.

# Distribution



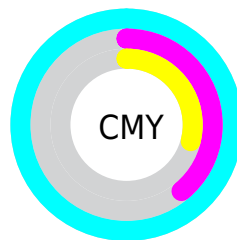
- Red (0%)
- Green (61%)
- Blue (71%)



- Red (0%)
- Yellow (33%)
- Blue (71%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (39%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 009BB6 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 009BB6 by changing the saturation by 10% instead.



 009BB6

 009BB6

FFFFFF

 00819B

 60D2EE

 006781

 7FEFFF

 004F68


 9EFFFF

 003850

 BCFFFF

 002339

 DAFFFF

 000223

 F9FFFF

 00000B

 000000

 009BB6

 129EB6

 24A0B6

 37A3B6

 49A6B6

 5BA8B6

 6DABB6

 7FAEB6

 92B1B6

 A4B3B6

# Harmonies

## Analogous

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



1B9D9B



009BB6



4595C6

# Triad

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



009BB6



BD789E



939053

# Complementary

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



009BB6



B61B00

# 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.



AE8654



009BB6



C77680

# Square

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



009BB6



A381B8



C17C65



729862

# Rectangle

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



009BB6



698FC8



C17C65



9D8D52



# Sweetspot

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



009BB6



A6E3ED



00B618



4D7178



F7F7F7



787878



# Same Dimension

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



009BB6



00CAED



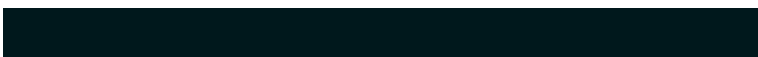
0043B6



535A5C



00849C



00181C



# Inverse Universe

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



B6009B



ED00CA



B67300



5C535A



9C0084



1C0018



# Previews

## White Background



This preview shows how the Hex color 009BB6 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 009BB6 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

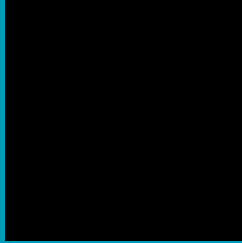
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 009BB6 Background



This preview shows how black text looks on a background with the Hex color 009BB6.

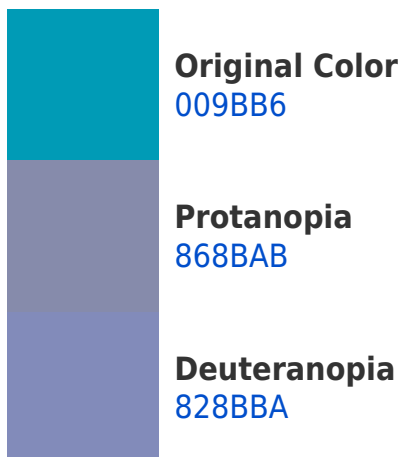


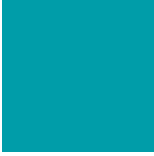
This preview shows how white text looks on a background with the Hex color 009BB6.

# 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**  
009DA9

# Trichromacy



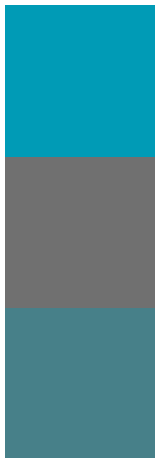
**Original Color**  
009BB6

**Protanomaly**  
5591AF

**Deuteranomaly**  
5391B9

**Tritanomaly**  
009CAE

# Monochromacy



**Original Color**  
009BB6

**Achromatopsia**  
707070

**Achromatomaly**  
478089

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009BB6 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 #009BB6 looks like.

```
.text, #text, p{  
    color:#009BB6  
}
```

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 #009BB6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009BB6
}
```

## Border

The CSS property to change the border of an element to Hex 009BB6 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
#009BB6 }
```

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

```
.border{ border-color:#009BB6 }
```

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

Here you see how a box with a 4 pixel #009BB6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009BB6; -webkit-box-shadow:4px 4px  
4px 4px #009BB6; box-shadow:4px 4px 4px  
4px #009BB6 }
```

# Background

The CSS property to change the background color of an element to Hex 009BB6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009BB6 }
```

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

```
.background{ background-color:#009BB6 }
```

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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