

# Converting Colors

Hex(0099BB)

Have a look what the booklet for  
Hex(0099BB) contains.

<b>Hex(0099BB)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(0099BB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0099BB
RGB	0, 153, 187
RGB Percent	0%, 60%, 73%
CMY	1.0000, 0.4000, 0.2667
CMYK	1.00, 0.18, 0.00, 0.27
HSL	191°, 100%, 37%
HSV	191°, 100%, 73%
XYZ	20.3609, 26.3703, 51.0306
YIQ	111.1290, -102.1020, -21.8620

# Conversions

## Conversions Part 2

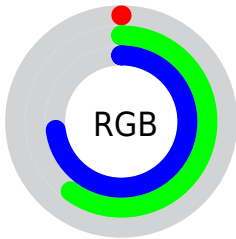
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 84, 187
Decimal	39355
CIELab	58.39, -21.46, -27.10
CIELCh	58, 34.568, 231.625
Yxy	26.3703, 0.2083, 0.2697
Android (android.graphics.Color)	4278229435 (0xFF0099BB)
YUV	111.1290, 37.4044, -97.4601
Hunter-Lab	51.3520, -19.0916, -22.9724

# Details

The Hex color **0099BB** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **BB2200**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **60D0F3**, and **006686** is the 20% darker color. If you saturate the color by 10%, you get **0099BB**, and if you desaturate by 10%, it is **139CBB**.

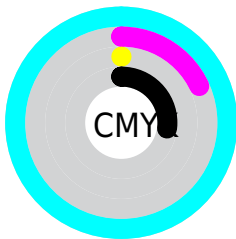
# Distribution



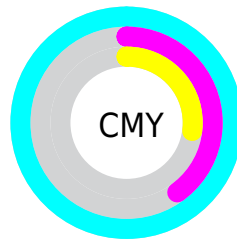
- Red (0%)
- Green (60%)
- Blue (73%)



- Red (0%)
- Yellow (33%)
- Blue (73%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (40%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0099BB 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 0099BB by changing the saturation by 10% instead.



 0099BB

 0099BB

FFFFFF

 007FA0

 60D0F3

 006686

 80ECFF

 004E6C

 9FFFFFF

 003654

 BDBFFF

 00223C

 DBFFFF

 000327

 FAFFFF

 000110

 000000

 0099BB

 139CBB

 25A0BB

 38A3BB

 4BA7BB

 5EAABB

 70ADBB

 83B1BB

 96B4BB

 A8B8BB

# Harmonies

## Analogous

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



009CA2



0099BB



4F92C8

# Triad

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



0099BB



C17596



8A9153

# Complementary

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



0099BB



BB2200

# 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.



A88850



0099BB



C77678

# Square

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



0099BB



AA7DB2



BD7D5E



679866

# Rectangle

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



0099BB



738BC7



BD7D5E



948E50



# Sweetspot

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



0099BB



AAE5F2



00BB1F



4E727A



FAFAFA



7A7A7A



# Same Dimension

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



0099BB



00C6F2



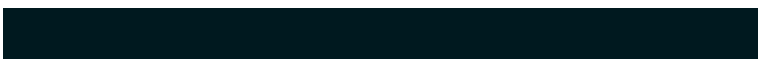
003EBB



555D5E



00819E



00191F



# Inverse Universe

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



BB0099



F200C6



BB7D00



5E555D



9E0081



1F0019



# Previews

## White Background



This preview shows how the Hex color 0099BB looks on a white background.

## Color Contrast Check

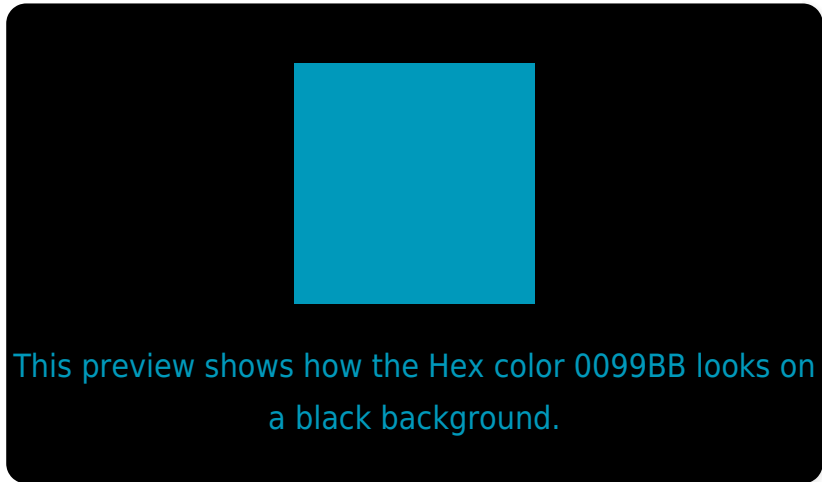
Large Text (above 18pt) WCAG AA ✓ Pass

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

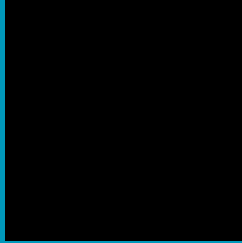
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 0099BB Background



This preview shows how black text looks on a background with the Hex color 0099BB.

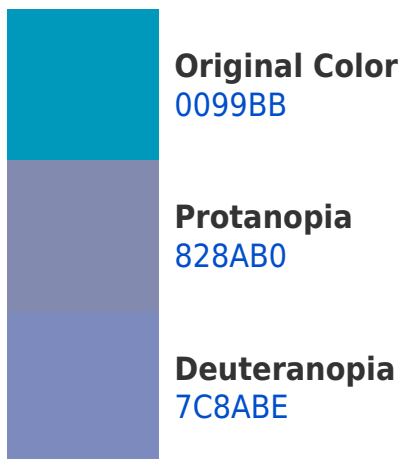


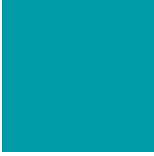
This preview shows how white text looks on a background with the Hex color 0099BB.

# 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**  
009BA7

# Trichromacy



**Original Color**  
0099BB



**Protanomaly**  
538FB4



**Deuteranomaly**  
4F8FBD



**Tritanomaly**  
009AAE

# Monochromacy



**Original Color**  
0099BB



**Achromatopsia**  
6F6F6F



**Achromatomaly**  
477E8B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0099BB 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 #0099BB looks like.

```
.text, #text, p{  
    color:#0099BB  
}
```

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 #0099BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0099BB
}
```

## Border

The CSS property to change the border of an element to Hex 0099BB 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
#0099BB }
```

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

```
.border{ border-color:#0099BB }
```

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

Here you see how a box with a 4 pixel #0099BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0099BB; -webkit-box-shadow:4px 4px  
4px 4px #0099BB; box-shadow:4px 4px 4px  
4px #0099BB }
```

# Background

The CSS property to change the background color of an element to Hex 0099BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0099BB }
```

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

```
.background{ background-color:#0099BB }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor