

# Converting Colors

Hex(199BBC)

Have a look what the booklet for  
Hex(199BBC) contains.

<b>Hex(199BBC)</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(199BBC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	199BBC
RGB	25, 155, 188
RGB Percent	10%, 61%, 74%
CMY	0.9020, 0.3922, 0.2627
CMYK	0.87, 0.18, 0.00, 0.26
HSL	192°, 77%, 42%
HSV	192°, 87%, 74%
XYZ	21.1993, 27.2802, 51.7252
YIQ	119.8920, -88.0730, -17.2970

# Conversions

## Conversions Part 2

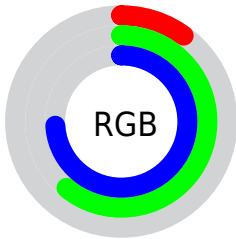
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 97, 188
Decimal	1678268
CIE <sub>Lab</sub>	59.23, -21.05, -26.34
CIE <sub>LCh</sub>	59, 33.723, 231.367
Yxy	27.2802, 0.2116, 0.2722
Android (android.graphics.Color)	4279868348 (0xFF199BBC)
YUV	119.8920, 33.5772, -83.2203
Hunter-Lab	52.2305, -18.9535, -22.1552

# Details

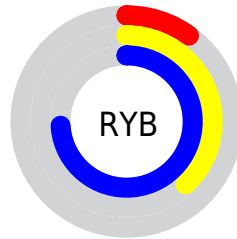
The Hex color **199BBC** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **BC3A19**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **67D2F4**, and **006887** is the 20% darker color. If you saturate the color by 10%, you get **0697BC**, and if you desaturate by 10%, it is **2C9FBC**.

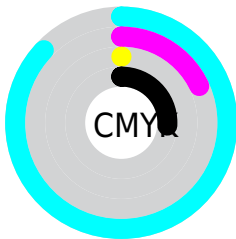
# Distribution



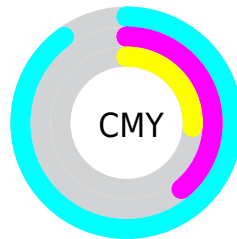
- Red (10%)
- Green (61%)
- Blue (74%)



- Red (10%)
- Yellow (38%)
- Blue (74%)



- Cyan (87%)
- Magenta (18%)
- Yellow (0%)
- Black (26%)



- Cyan (90%)
- Magenta (39%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 199BBC 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 199BBC by changing the saturation by 10% instead.



 199BBC

 199BBC

FFFFFF

 0081A1

 67D2F4

 006887

 86EEFF

 004F6D

 A4FFFF


 003855

 C2FFFF

 00233D

 E0FFFF

 000328

 000111

 000000

 199BBC

 199BBC

0697BC

2C9FBC

0096BC

3FA3BC

51A6BC

64AABC

77AEBC

8AB2BC

9DB6BC

AFB9BC

C2BDBC

# Harmonies

## Analogous

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



109EA3



199BBC



5494C9

# Triad

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



199BBC



C27898



8D9356

# Complementary

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



199BBC



BC3A19

# 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.



AA8A54



199BBC



C8787A

# Square

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



199BBC



AC7FB4



BF8061



6A9A69

# Rectangle

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



199BBC



768EC8



BF8061



979054



# Sweetspot

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



199BBC



B5E8F5



19BC3A



54737A



FAFAFA



7A7A7A



# Same Dimension

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



199BBC



00C3F5



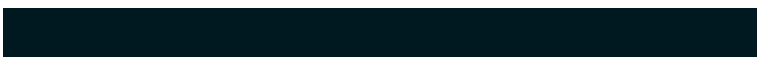
194ABC



555C5E



007E9E



00181F



# Inverse Universe

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



BC199B



F500C3



BC8B19



5E555C



9E007E



1F0018



# Previews

## White Background



This preview shows how the Hex color 199BBC looks on a white background.

## Color Contrast Check

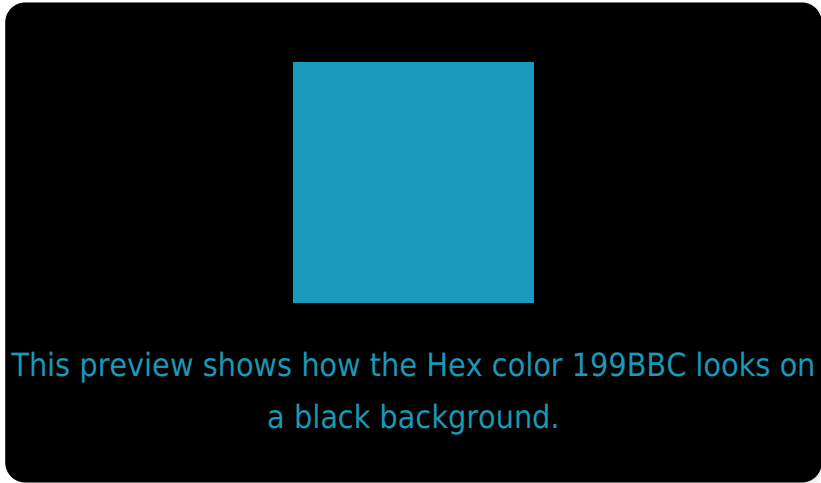
Large Text (above 18pt) WCAG AA ✓ Pass

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 199BBC Background



This preview shows how black text looks on a background with the Hex color 199BBC.



This preview shows how white text looks on a background with the Hex color 199BBC.

# 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](#).

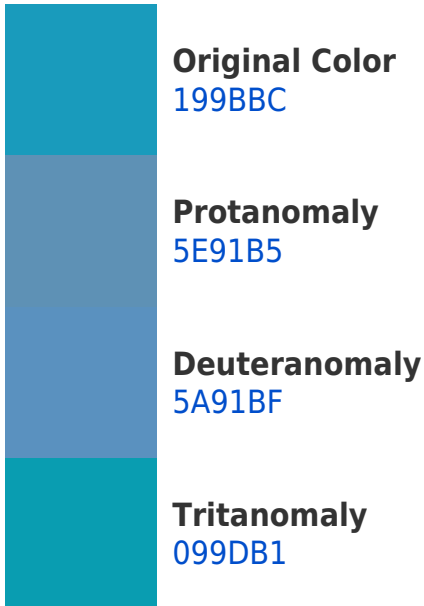
## Dichromacy





**Tritanopia**  
009EAA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 199BBC 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 #199BBC looks like.

```
.text, #text, p{  
    color:#199BBC  
}
```

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 #199BBC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #199BBC
}
```

## Border

The CSS property to change the border of an element to Hex 199BBC 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
#199BBC }
```

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

```
.border{ border-color:#199BBC }
```

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

Here you see how a box with a 4 pixel #199BBC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #199BBC; -webkit-box-shadow:4px 4px  
4px 4px #199BBC; box-shadow:4px 4px 4px  
4px #199BBC }
```

# Background

The CSS property to change the background color of an element to Hex 199BBC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#199BBC }
```

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

```
.background{ background-color:#199BBC }
```

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