

# Converting Colors

Hex(66C7BC)

Have a look what the booklet for  
Hex(66C7BC) contains.

<b>Hex(66C7BC)</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(66C7BC)

# Conversions

## Conversions Part 1

Format	Color
Hex	66C7BC
RGB	102, 199, 188
RGB Percent	40%, 78%, 74%
CMY	0.6000, 0.2196, 0.2627
CMYK	0.49, 0.00, 0.06, 0.22
HSL	173°, 46%, 59%
HSV	173°, 49%, 78%
XYZ	34.9800, 47.3025, 54.8636
YIQ	168.7430, -54.2810, -23.9850

# Conversions

## Conversions Part 2

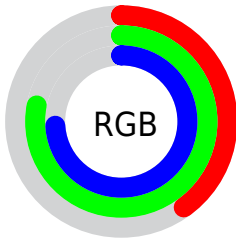
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 153, 199
Decimal	6735804
CIELab	74.38, -31.27, -3.32
CIELCh	74, 31.443, 186.055
Yxy	47.3025, 0.2551, 0.3449
Android (android.graphics.Color)	4284925884 (0xFF66C7BC)
YUV	168.7430, 9.4937, -58.5336
Hunter-Lab	68.7768, -29.5739, 0.8478

# Details

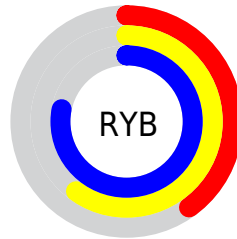
The Hex color **66C7BC** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **C76671**, and the grayscale version is **A9A9A9**.

A 20% lighter version of the original color is **9FFFF4**, and **289187** is the 20% darker color. If you saturate the color by 10%, you get **52C7BA**, and if you desaturate by 10%, it is **7AC7BE**.

# Distribution



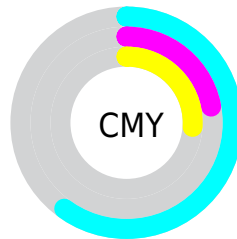
- Red (40%)
- Green (78%)
- Blue (74%)



- Red (40%)
- Yellow (60%)
- Blue (78%)



- Cyan (49%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)



- Cyan (60%)
- Magenta (22%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66C7BC 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 66C7BC by changing the saturation by 10% instead.



 66C7BC

 66C7BC

FFFFFF

 49ABA1

 9FFFF4

 289187

 BCFFFF

 00776E

 D9FFFF

 005D55

 F7FFFF

 00453E

 002E28

 001814

 000000

 66C7BC

 66C7BC

■ 52C7BA

■ 7AC7BE

■ 3EC7B7

■ 8EC7C1

■ 2AC7B5

■ A2C7C3

■ 16C7B3

■ B6C7C5

■ 03C7B1

■ CAC7C7

■ 00C7B0

■ DDC7CA

■ F1C7CC

■ FFC7CE

■ FFC7D0

# Harmonies

## Analogous

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



84C59F



66C7BC



5AC5D8

# Triad

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



66C7BC



C3ADE6



DFAD83

# Complementary

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



66C7BC



C76671

# 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.



EEA596



66C7BC



E1A5CF

# Square

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



66C7BC



9AB8F0



F0A1B2



C6B77D

# Rectangle

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



66C7BC



66C2E6



F0A1B2



E6AA88

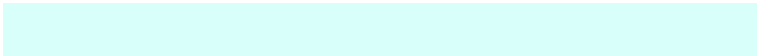


# Sweetspot

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



66C7BC



D9FFFB



71C766



69807D



000000



808080



# Same Dimension

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



66C7BC



6BFFEE



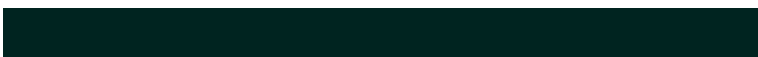
66A2C7



5A6362



00A391



002420



# Inverse Universe

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



C76671



FF6B7C



C78B66



635A5B



A30013

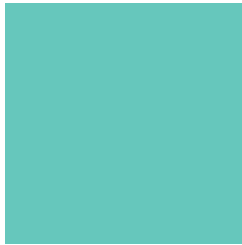


240004



# Previews

## White Background



This preview shows how the Hex color 66C7BC looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 66C7BC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

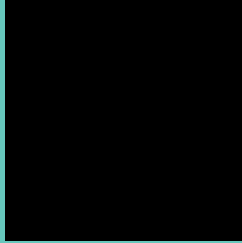
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

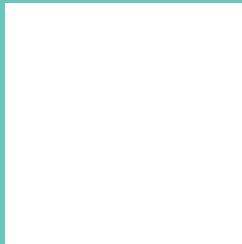
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 66C7BC Background



This preview shows how black text looks on a background with the Hex color 66C7BC.



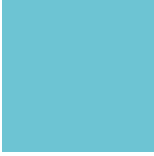
This preview shows how white text looks on a background with the Hex color 66C7BC.

# 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



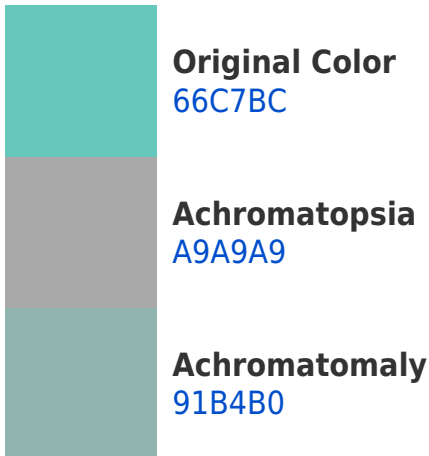


**Tritanopia**  
6DC4D3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66C7BC 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 #66C7BC looks like.

```
.text, #text, p{  
    color:#66C7BC  
}
```

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 #66C7BC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66C7BC  
}
```

## Border

The CSS property to change the border of an element to Hex 66C7BC 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  
#66C7BC }
```

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

```
.border{ border-color:#66C7BC }
```

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

Here you see how a box with a 4 pixel #66C7BC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66C7BC; -webkit-box-shadow:4px 4px  
4px 4px #66C7BC; box-shadow:4px 4px 4px  
4px #66C7BC }
```

# Background

The CSS property to change the background color of an element to Hex 66C7BC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66C7BC }
```

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

```
.background{ background-color:#66C7BC }
```

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