

# Converting Colors

Hex(78CBB8)

Have a look what the booklet for  
Hex(78CBB8) contains.

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**Color**

**Hex(78CBB8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78CBB8
RGB	120, 203, 184
RGB Percent	47%, 80%, 72%
CMY	0.5294, 0.2039, 0.2784
CMYK	0.41, 0.00, 0.09, 0.20
HSL	166°, 44%, 63%
HSV	166°, 41%, 80%
XYZ	37.7534, 50.1656, 53.0405
YIQ	176.0170, -43.3690, -23.5050

# Conversions

## Conversions Part 2

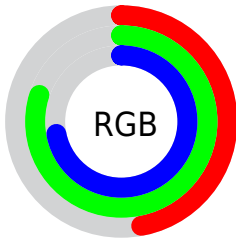
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 167, 203
Decimal	7916472
CIELab	76.17, -29.74, 1.55
CIELCh	76, 29.784, 177.020
Yxy	50.1656, 0.2678, 0.3559
Android (android.graphics.Color)	4286106552 (0xFF78CBB8)
YUV	176.0170, 3.9356, -49.1269
Hunter-Lab	70.8277, -28.8024, 5.1791

# Details

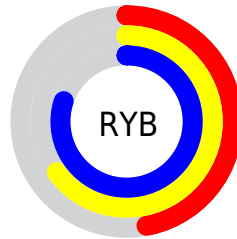
The Hex color **78CBB8** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **CB788B**, and the grayscale version is **B0B0B0**.

A 20% lighter version of the original color is **B0FFF0**, and **419483** is the 20% darker color. If you saturate the color by 10%, you get **64CBB3**, and if you desaturate by 10%, it is **8CCBBD**.

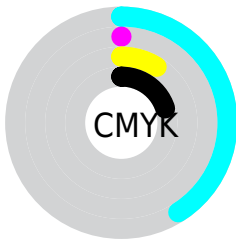
# Distribution



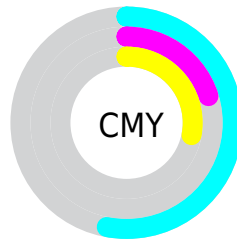
- Red (47%)
- Green (80%)
- Blue (72%)



- Red (47%)
- Yellow (65%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (9%)
- Black (20%)



- Cyan (53%)
- Magenta (20%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78CBB8 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 78CBB8 by changing the saturation by 10% instead.



 78CBB8

 78CBB8

FFFFFF

 5DAF9D

 B0FFF0

 419483

 CCFFFF

 237A6A

 E9FFFF

 006152

 00493B

 003225

 001E10

 000000

 78CBB8

 78CBB8

 64CBB3

 8CCBBD

 4FCBAF

 A1CBC1

 3BCBAA

 B5CBC6

 27CBA5

 C9CBCB

 13CBA1

 DECBCF

 00CB9D

 F2CBD4

 FFCBD9

 FFCBDD

 FFCBE2

# Harmonies

## Analogous

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



96C89D



78CBB8



67CBD4

# Triad

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



78CBB8



BCB6ED



E8B08F

# Complementary

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



78CBB8



CB788B

# 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.



F3A9A4



78CBB8



DDADDA

# Square

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



78CBB8



95BFF2



F0A8C0



D2B985

# Rectangle

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



78CBB8



6CC8E3



F0A8C0



EDAD95



# Sweetspot

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



78CBB8



E0FFF8



8BCB78



6E807B



000000



808080

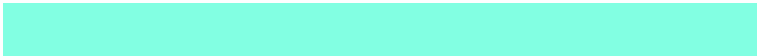


# Same Dimension

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



78CBB8



82FFE2



78B5CB



5C6664



00A680



00261D



# Inverse Universe

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



CB788B



FF829F



CB8E78



665C5E



A60026

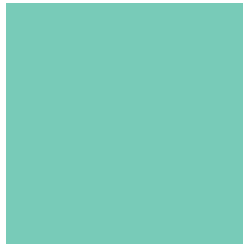


260009



# Previews

## White Background



This preview shows how the Hex color 78CBB8 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 78CBB8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

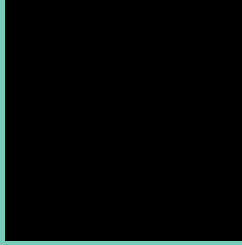
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

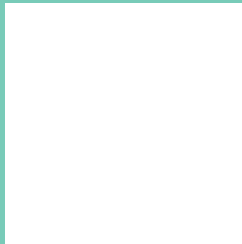
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 78CBB8 Background



This preview shows how black text looks on a background with the Hex color 78CBB8.

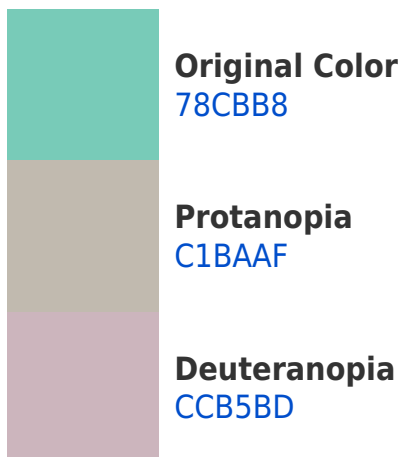


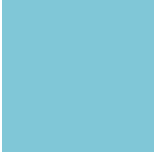
This preview shows how white text looks on a background with the Hex color 78CBB8.

# 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**  
80C7D7

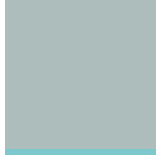
# Trichromacy



**Original Color**  
78CBB8



**Protanomaly**  
A6C0B2



**Deuteranomaly**  
ADBDBB

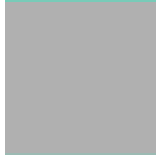


**Tritanomaly**  
7DC8CC

# Monochromacy



**Original Color**  
78CBB8



**Achromatopsia**  
B0B0B0



**Achromatomaly**  
9CBAB3

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78CBB8 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 #78CBB8 looks like.

```
.text, #text, p{  
    color:#78CBB8  
}
```

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 #78CBB8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78CBB8  
}
```

## Border

The CSS property to change the border of an element to Hex 78CBB8 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  
#78CBB8 }
```

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

```
.border{ border-color:#78CBB8 }
```

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

Here you see how a box with a 4 pixel #78CBB8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78CBB8; -webkit-box-shadow:4px 4px  
4px 4px #78CBB8; box-shadow:4px 4px 4px  
4px #78CBB8 }
```

# Background

The CSS property to change the background color of an element to Hex 78CBB8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78CBB8 }
```

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

```
.background{ background-color:#78CBB8 }
```

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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