

# Converting Colors

Hex(7BB7B2)

Have a look what the booklet for  
Hex(7BB7B2) contains.

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# **Color**

**Hex(7BB7B2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BB7B2
RGB	123, 183, 178
RGB Percent	48%, 72%, 70%
CMY	0.5176, 0.2824, 0.3020
CMYK	0.33, 0.00, 0.03, 0.28
HSL	175°, 29%, 60%
HSV	175°, 33%, 72%
XYZ	33.1377, 41.2923, 48.3431
YIQ	164.4900, -34.1550, -14.2750

# Conversions

## Conversions Part 2

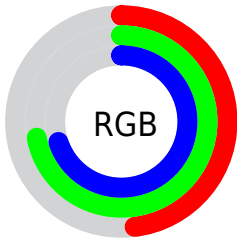
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 154, 183
Decimal	8107954
CIE <sub>Lab</sub>	70.38, -20.42, -3.65
CIE <sub>LCh</sub>	70, 20.741, 190.122
Yxy	41.2923, 0.2699, 0.3363
Android (android.graphics.Color)	4286298034 (0xFF7BB7B2)
YUV	164.4900, 6.6604, -36.3867
Hunter-Lab	64.2591, -20.4027, 0.3765

# Details

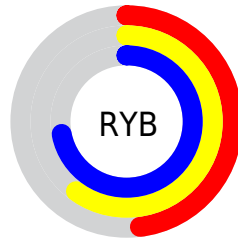
The Hex color **7BB7B2** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **B77B80**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **B1EFEA**, and **47827D** is the 20% darker color. If you saturate the color by 10%, you get **69B7B0**, and if you desaturate by 10%, it is **8DB7B4**.

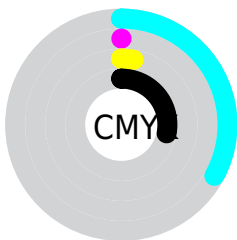
# Distribution



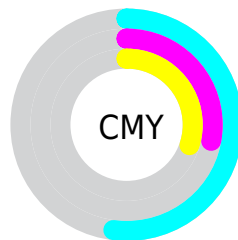
- Red (48%)
- Green (72%)
- Blue (70%)



- Red (48%)
- Yellow (60%)
- Blue (72%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)



- Cyan (52%)
- Magenta (28%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BB7B2 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 7BB7B2 by changing the saturation by 10% instead.



 7BB7B2

 7BB7B2

FFFFFF

 619C97

 B1EFEA

 47827D

 CEFFFF

 2C6965

 EAFFFF

 0E504D

 003936

 002321

 00030A

 000000

 7BB7B2

 7BB7B2

69B7B0

8DB7B4

56B7AF

A0B7B5

44B7AD

B2B7B7

32B7AC

C4B7B8

20B7AA

D7B7BA

0DB7A9

E9B7BB

00B7A8

FBB7BD

FFB7BE

FFB7C0

# Harmonies

## Analogous

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



8AB69F



7BB7B2



79B6C4

# Triad

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



7BB7B2



B7A5C9



C6A789

# Complementary

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



7BB7B2



B77B80

# 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.



D1A195



7BB7B2



CAA0B9

# Square

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



7BB7B2



9FACD1



D39FA6



B4AD87

# Rectangle

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



7BB7B2



81B3CC



D39FA6



CAA58C



# Sweetspot

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



7BB7B2



D5EDEB



80B77B



697877



F7F7F7



787878



# Same Dimension

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



7BB7B2



91EDE5



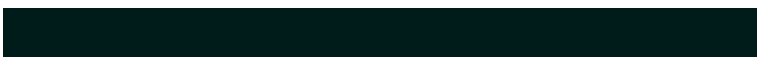
7B9EB7



535C5B



009C8F



001C1A



# Inverse Universe

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



B77B80



ED9198



B7947B



5C5353



9C000D

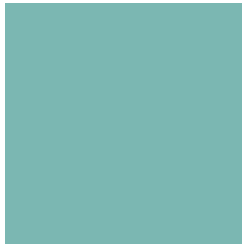


1C0002



# Previews

## White Background



This preview shows how the Hex color 7BB7B2 looks on a white background.

## Color Contrast Check

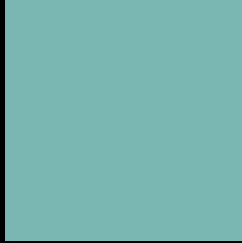
Large Text (above 18pt) WCAG AA × Fail

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 7BB7B2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

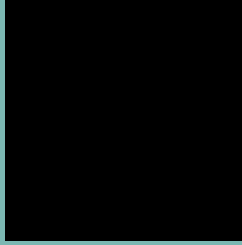
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

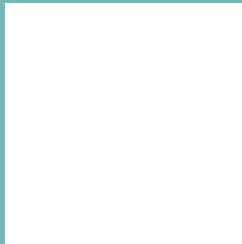
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7BB7B2 Background



This preview shows how black text looks on a background with the Hex color 7BB7B2.

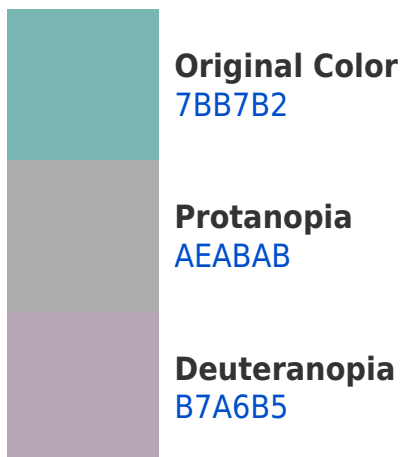


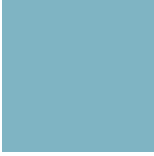
This preview shows how white text looks on a background with the Hex color 7BB7B2.

# 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](#).

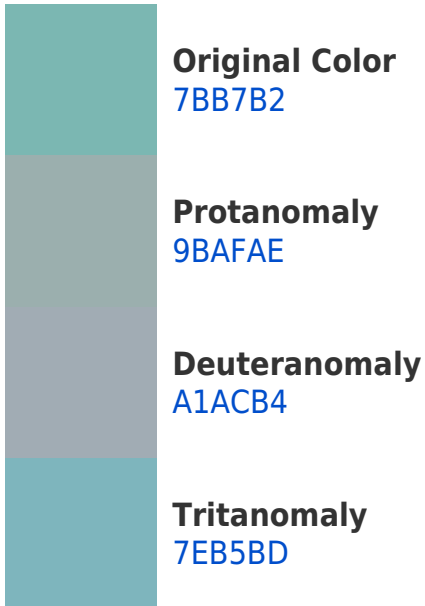
## Dichromacy



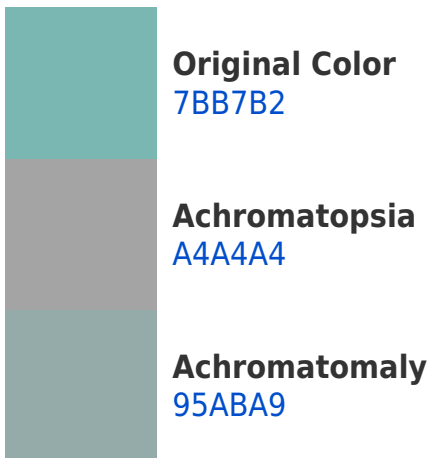


**Tritanopia**  
7FB4C3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BB7B2 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 #7BB7B2 looks like.

```
.text, #text, p{  
    color:#7BB7B2  
}
```

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 #7BB7B2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BB7B2
}
```

## Border

The CSS property to change the border of an element to Hex 7BB7B2 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
#7BB7B2 }
```

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

```
.border{ border-color:#7BB7B2 }
```

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

Here you see how a box with a 4 pixel #7BB7B2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BB7B2; -webkit-box-shadow:4px 4px  
4px 4px #7BB7B2; box-shadow:4px 4px 4px  
4px #7BB7B2 }
```

# Background

The CSS property to change the background color of an element to Hex 7BB7B2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BB7B2 }
```

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

```
.background{ background-color:#7BB7B2 }
```

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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