

# Converting Colors

Hex(71BDBB)

Have a look what the booklet for  
Hex(71BDBB) contains.

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# **Color**

**Hex(71BDBB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71BDBB
RGB	113, 189, 187
RGB Percent	44%, 74%, 73%
CMY	0.5569, 0.2588, 0.2667
CMYK	0.40, 0.00, 0.01, 0.26
HSL	178°, 37%, 59%
HSV	178°, 40%, 74%
XYZ	33.9773, 43.4938, 53.6181
YIQ	166.0480, -44.6540, -16.7340

# Conversions

## Conversions Part 2

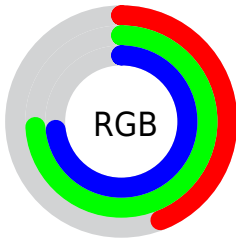
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 152, 189
Decimal	7454139
CIELab	71.89, -23.97, -6.40
CIElCh	72, 24.814, 194.954
Yxy	43.4938, 0.2592, 0.3318
Android (android.graphics.Color)	4285644219 (0xFF71BDBB)
YUV	166.0480, 10.3293, -46.5231
Hunter-Lab	65.9498, -23.4491, -2.0387

# Details

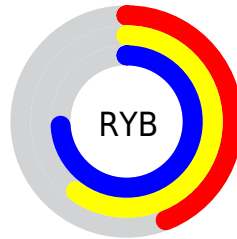
The Hex color **71BDBB** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **BD7173**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **A8F5F3**, and **3A8786** is the 20% darker color. If you saturate the color by 10%, you get **5EBDBB**, and if you desaturate by 10%, it is **84BDBB**.

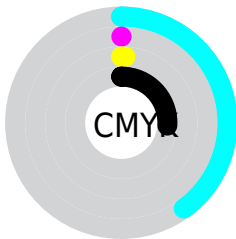
# Distribution



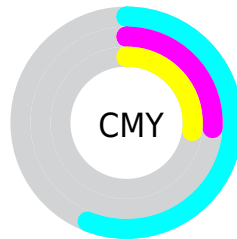
- Red (44%)
- Green (74%)
- Blue (73%)



- Red (44%)
- Yellow (60%)
- Blue (74%)



- Cyan (40%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)



- Cyan (56%)
- Magenta (26%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 71BDBB 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 71BDBB by changing the saturation by 10% instead.



 71BDBB

 71BDBB

FFFFFF

 56A2A0

 A8F5F3

 3A8786

 C5FFFF

 1A6E6D

 E2FFFF

 005554

 003E3D

 002728

 000D13

 000000

 71BDBB

 71BDBB

 5EBDBB

 84BDBB

 4BBDBA

 97BDBC

 38BDBA

 AABDBC

 25BDB9

 BDBDBD

 12BDB9

 D0BDBD

 00BDB8

 E2DBDE

 F5DBDE

 FFBDBF

# Harmonies

## Analogous

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



83BCA4



71BDBB



71BBCF

# Triad

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



71BDBB



C2A7D0



CBAB85

# Complementary

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



71BDBB



BD7173

# 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.



DAA491



71BDBB



D6A1BD

# Square

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



71BDBB



A4AEDC



DFA0A5



B5B284

# Rectangle

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



71BDBB



7DB8D9



DFA0A5



D1A888



# Sweetspot

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



71BDBB



D7F5F4



74BD71



697A7A



FAFAFA



7A7A7A



# Same Dimension

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



71BDBB



7FF5F2



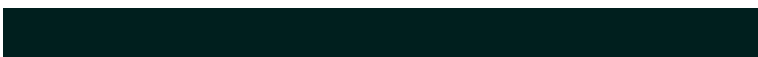
719ABD



555E5E



009E9A



001F1E



# Inverse Universe

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



BD7173



F57F82



BD9471



5E5555



9E0004

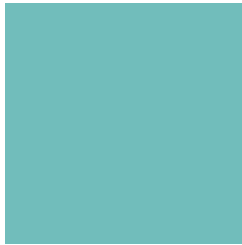


1F0001



# Previews

## White Background



This preview shows how the Hex color 71BDBB looks on a white background.

## Color Contrast Check

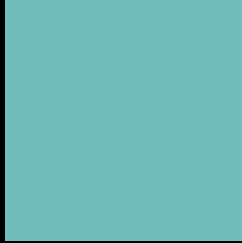
Large Text (above 18pt) WCAG AA × Fail

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 71BDBB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

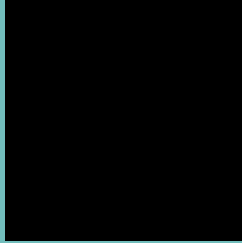
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 71BDBB Background



This preview shows how black text looks on a background with the Hex color 71BDBB.

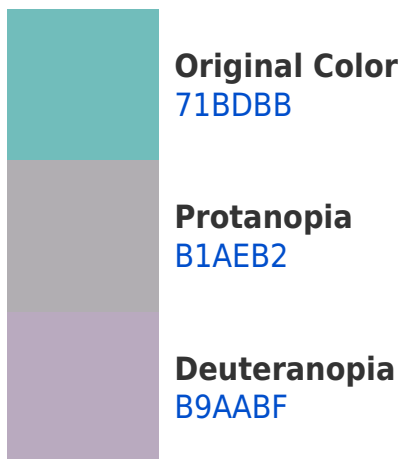


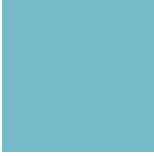
This preview shows how white text looks on a background with the Hex color 71BDBB.

# 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](#).

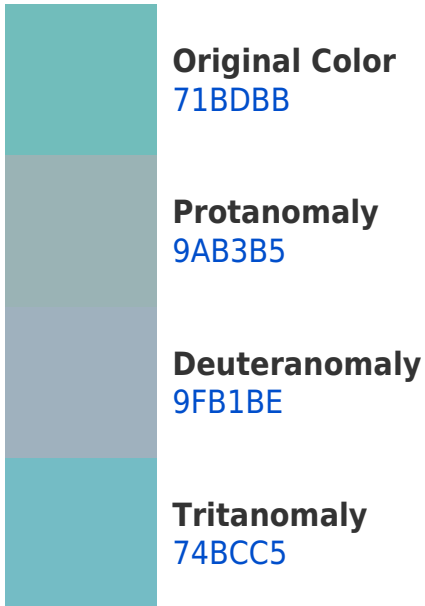
## Dichromacy



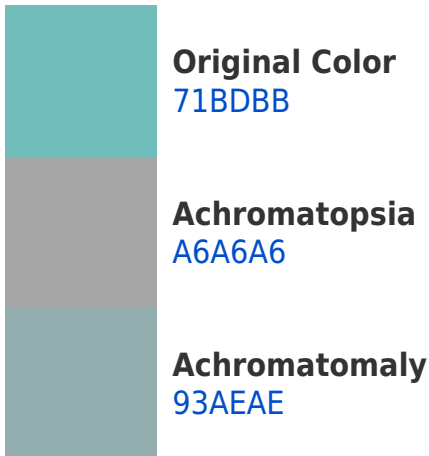


**Tritanopia**  
75BBCA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 71BDBB 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 #71BDBB looks like.

```
.text, #text, p{  
    color:#71BDBB  
}
```

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 #71BDBB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #71BDBB
}
```

## Border

The CSS property to change the border of an element to Hex 71BDBB 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
#71BDBB }
```

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

```
.border{ border-color:#71BDBB }
```

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

Here you see how a box with a 4 pixel #71BDBB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #71BDBB; -webkit-box-shadow:4px 4px  
4px 4px #71BDBB; box-shadow:4px 4px 4px  
4px #71BDBB }
```

# Background

The CSS property to change the background color of an element to Hex 71BDBB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#71BDBB }
```

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

```
.background{ background-color:#71BDBB }
```

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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