

# Converting Colors

Hex(75C4BD)

Have a look what the booklet for  
Hex(75C4BD) contains.

<b>Hex(75C4BD)</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(75C4BD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75C4BD
RGB	117, 196, 189
RGB Percent	46%, 77%, 74%
CMY	0.5412, 0.2314, 0.2588
CMYK	0.40, 0.00, 0.04, 0.23
HSL	175°, 40%, 61%
HSV	175°, 40%, 77%
XYZ	36.2614, 46.9359, 55.2925
YIQ	171.5810, -44.8370, -18.9250

# Conversions

## Conversions Part 2

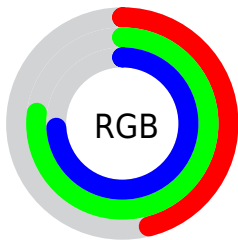
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 158, 196
Decimal	7718077
CIELab	74.15, -25.94, -4.13
CIELCh	74, 26.263, 189.057
Yxy	46.9359, 0.2618, 0.3389
Android (android.graphics.Color)	4285908157 (0xFF75C4BD)
YUV	171.5810, 8.5876, -47.8675
Hunter-Lab	68.5098, -25.4143, 0.1054

# Details

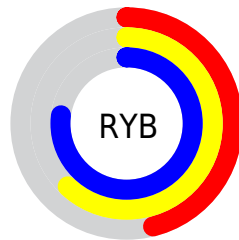
The Hex color **75C4BD** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **C4757C**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **ADDF5**, and **3E8E88** is the 20% darker color. If you saturate the color by 10%, you get **61C4BB**, and if you desaturate by 10%, it is **89C4BF**.

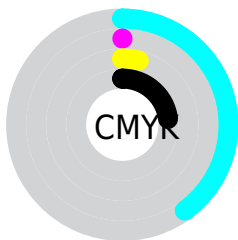
# Distribution



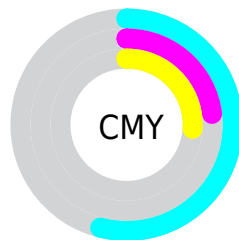
- Red (46%)
- Green (77%)
- Blue (74%)



- Red (46%)
- Yellow (62%)
- Blue (77%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)



- Cyan (54%)
- Magenta (23%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 75C4BD 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 75C4BD by changing the saturation by 10% instead.



 75C4BD

 75C4BD

FFFFFF

 5AA9A2

 ADFDF5

 3E8E88

 C9FFFF

 1F746E

 E6FFFF

 005B56

 00433F

 002C29

 001815

 000000

 75C4BD

 75C4BD

61C4BB

89C4BF

4EC4BA

9CC4C0

3AC4B8

B0C4C2

27C4B6

C3C4C4

13C4B4

D7C4C6

00C4B3

EBC4C7

FEC4C9

FFC4CB

FFC4CD

# Harmonies

## Analogous

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



8AC2A4



75C4BD



70C2D4

# Triad

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



75C4BD



C3AEDC



D7AF8A

# Complementary

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



75C4BD



C4757C

# 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.



E5A899



75C4BD



DBA7C8

# Square

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



75C4BD



A3B6E6



E7A5B0



C1B787

# Rectangle

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



75C4BD



7ABFDF



E7A5B0



DDAC8E

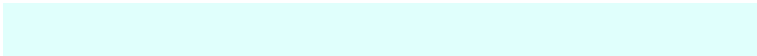


# Sweetspot

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



75C4BD



E0FFFC



7DC475



6E807E



000000



808080



# Same Dimension

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



75C4BD



85FFF4



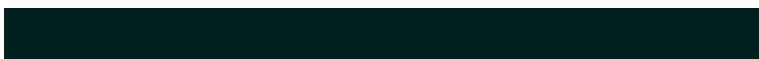
75A4C4



576160



00A192



00211E



# Inverse Universe

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



C4757C



FF858F



C49575



615758



A1000E

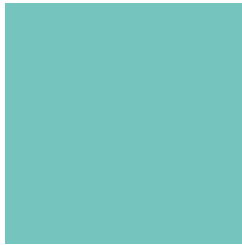


210003



# Previews

## White Background



This preview shows how the Hex color 75C4BD 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 75C4BD 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

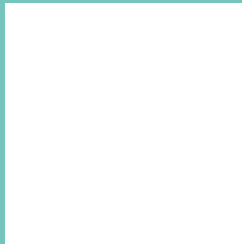
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 75C4BD Background



This preview shows how black text looks on a background with the Hex color 75C4BD.

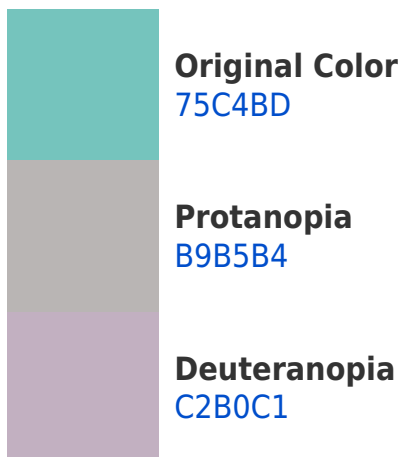


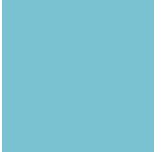
This preview shows how white text looks on a background with the Hex color 75C4BD.

# 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**  
7AC1D1

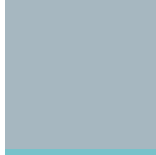
# Trichromacy



**Original Color**  
75C4BD



**Protanomaly**  
A0BAB7



**Deuteranomaly**  
A6B7C0

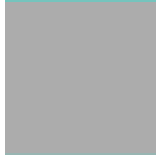


**Tritanomaly**  
78C2CA

# Monochromacy



**Original Color**  
75C4BD



**Achromatopsia**  
ACACAC



**Achromatomaly**  
98B5B2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 75C4BD 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 #75C4BD looks like.

```
.text, #text, p{  
    color:#75C4BD  
}
```

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 #75C4BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #75C4BD
}
```

## Border

The CSS property to change the border of an element to Hex 75C4BD 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
#75C4BD }
```

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

```
.border{ border-color:#75C4BD }
```

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

Here you see how a box with a 4 pixel #75C4BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #75C4BD; -webkit-box-shadow:4px 4px  
4px 4px #75C4BD; box-shadow:4px 4px 4px  
4px #75C4BD }
```

# Background

The CSS property to change the background color of an element to Hex 75C4BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#75C4BD }
```

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

```
.background{ background-color:#75C4BD }
```

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