

# Converting Colors

Hex(7BD5D0)

Have a look what the booklet for  
Hex(7BD5D0) contains.

<b>Hex(7BD5D0)</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(7BD5D0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BD5D0
RGB	123, 213, 208
RGB Percent	48%, 84%, 82%
CMY	0.5176, 0.1647, 0.1843
CMYK	0.42, 0.00, 0.02, 0.16
HSL	177°, 52%, 66%
HSV	177°, 42%, 84%
XYZ	43.3478, 56.3535, 68.2672
YIQ	185.5200, -52.0350, -20.6350

# Conversions

## Conversions Part 2

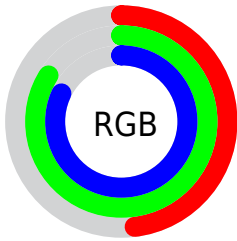
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 169, 213
Decimal	8115664
CIELab	79.81, -28.13, -5.98
CIElCh	80, 28.754, 192.004
Yxy	56.3535, 0.2581, 0.3355
Android (android.graphics.Color)	4286305744 (0xFF7BD5D0)
YUV	185.5200, 11.0826, -54.8300
Hunter-Lab	75.0690, -28.2978, -1.3696

# Details

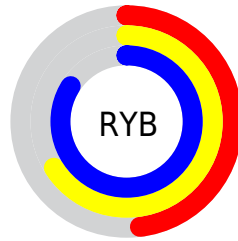
The Hex color **7BD5D0** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **D57B80**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **B4FFFF**, and **429E9A** is the 20% darker color. If you saturate the color by 10%, you get **66D5CF**, and if you desaturate by 10%, it is **90D5D1**.

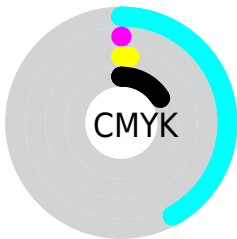
# Distribution



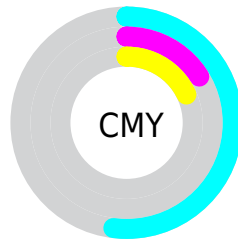
- Red (48%)
- Green (84%)
- Blue (82%)



- Red (48%)
- Yellow (66%)
- Blue (84%)



- Cyan (42%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)



- Cyan (52%)
- Magenta (16%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BD5D0 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 7BD5D0 by changing the saturation by 10% instead.



 7BD5D0

 7BD5D0

FFFFFF

 5FB9B4

 B4FFFF

 429E9A

 D1FFFF

 218480

 EEEFFF

 006A67

 00514F

 003A38

 002423

 00010D

 000000

 7BD5D0

 7BD5D0

 66D5CF

 90D5D1

 50D5CE

 A6D5D2

 3BD5CC

 BBD5D4

 26D5CB

 D0D5D5

 11D5CA

 E6D5D6

 00D5C9

 FBD5D7

 FFD5D8

 FFD5D9

 FFD5DB

# Harmonies

## Analogous

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



92D4B4



7BD5D0



78D3E9

# Triad

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



7BD5D0



D7BBEE



E8BF93

# Complementary

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



7BD5D0



D57B80

# 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.



F8B7A3



7BD5D0



F1B4D7

# Square

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



7BD5D0



B4C5FA



FCB2BC



CEC891

# Rectangle

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



7BD5D0



85CFF4



FCB2BC



EFBC97



# Sweetspot

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



7BD5D0



DEFFFD



81D57B



6B807E



000000



808080



# Same Dimension

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



7BD5D0



7DFFF8



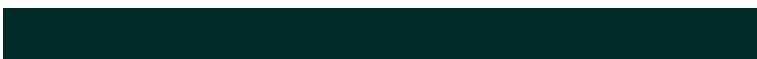
7BAED5



606B6B



00ABA1



002B29



# Inverse Universe

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



D57B80



FF7D84



D5A27B



6B6061



AB0009

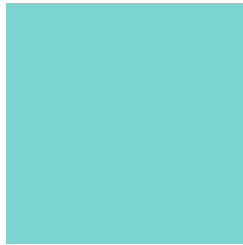


2B0002



# Previews

## White Background



This preview shows how the Hex color 7BD5D0 looks on a white background.

## Color Contrast Check

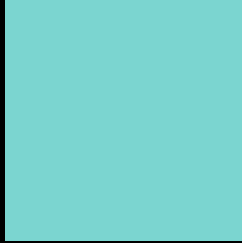
Large Text (above 18pt) WCAG AA × Fail

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 7BD5D0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

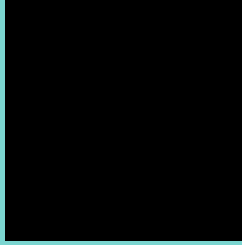
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

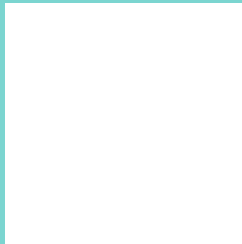
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7BD5D0 Background



This preview shows how black text looks on a background with the Hex color 7BD5D0.

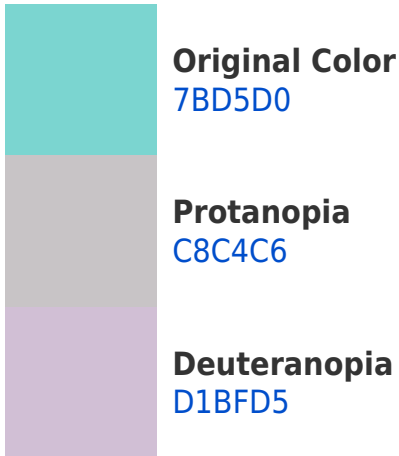


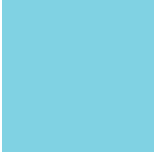
This preview shows how white text looks on a background with the Hex color 7BD5D0.

# 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**  
80D2E3

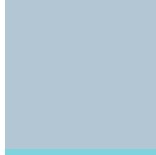
# Trichromacy



**Original Color**  
7BD5D0



**Protanomaly**  
ACCACA



**Deuteranomaly**  
B2C7D3

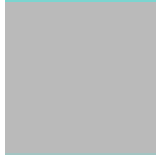


**Tritanomaly**  
7ED3DC

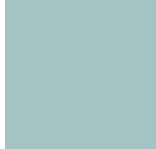
# Monochromacy



**Original Color**  
7BD5D0



**Achromatopsia**  
BABABA



**Achromatomaly**  
A3C4C2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BD5D0 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 #7BD5D0 looks like.

```
.text, #text, p{  
    color:#7BD5D0  
}
```

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 #7BD5D0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BD5D0
}
```

## Border

The CSS property to change the border of an element to Hex 7BD5D0 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
#7BD5D0 }
```

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

```
.border{ border-color:#7BD5D0 }
```

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

Here you see how a box with a 4 pixel #7BD5D0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BD5D0; -webkit-box-shadow:4px 4px  
4px 4px #7BD5D0; box-shadow:4px 4px 4px  
4px #7BD5D0 }
```

# Background

The CSS property to change the background color of an element to Hex 7BD5D0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BD5D0 }
```

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

```
.background{ background-color:#7BD5D0 }
```

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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