

# Converting Colors

Hex(7BD0AB)

Have a look what the booklet for  
Hex(7BD0AB) contains.

<b>Hex(7BD0AB)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(7BD0AB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BD0AB
RGB	123, 208, 171
RGB Percent	48%, 82%, 67%
CMY	0.5176, 0.1843, 0.3294
CMYK	0.41, 0.00, 0.18, 0.18
HSL	154°, 47%, 65%
HSV	154°, 41%, 82%
XYZ	38.0749, 52.2630, 46.6091
YIQ	178.3670, -38.7830, -29.5270

# Conversions

## Conversions Part 2

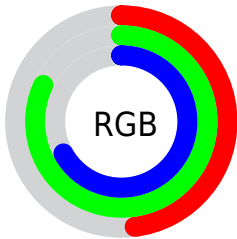
Format	Color
<a href="#">RYB</a>	<a href="#">123, 177, 208</a>
Decimal	<a href="#">8114347</a>
CIELab	<a href="#">77.44, -34.16, 10.37</a>
CIELCh	<a href="#">77, 35.704, 163.116</a>
Yxy	<a href="#">52.2630, 0.2780, 0.3816</a>
Android (android.graphics.Color)	<a href="#">4286304427 (0xFF7BD0AB)</a>
YUV	<a href="#">178.3670, -3.6319, -48.5569</a>
Hunter-Lab	<a href="#">72.2931, -32.5016, 12.3795</a>

# Details

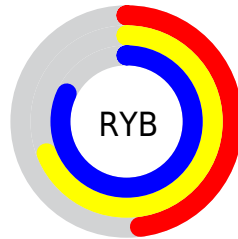
The Hex color **7BD0AB** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **D07BA0**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **B3FFE2**, and **449977** is the 20% darker color. If you saturate the color by 10%, you get **66D0A2**, and if you desaturate by 10%, it is **90D0B4**.

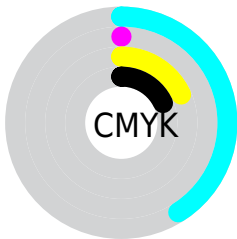
# Distribution



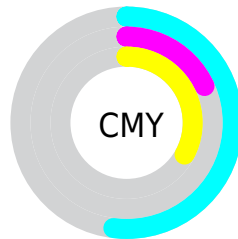
- Red (48%)
- Green (82%)
- Blue (67%)



- Red (48%)
- Yellow (69%)
- Blue (82%)



- Cyan (41%)
- Magenta (0%)
- Yellow (18%)
- Black (18%)



- Cyan (52%)
- Magenta (18%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BD0AB 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 7BD0AB by changing the saturation by 10% instead.



 7BD0AB

 7BD0AB

FFFFFF

 60B490

 B3FFE2

 449977

 CFFFFFF

 277F5E

 ECFFFF

 006546

 004D30

 00351B

 002100

 000000

 7BD0AB

 7BD0AB

66D0A2

90D0B4

51D099

A5D0BD

3DD090

B9D0C6

28D087

CED0CF

13D07E

E3D0D8

00D075

F8D0E1

FFD0EA

FFD0F3

FFD0FC

# Harmonies

## Analogous

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



A3CB8E



7BD0AB



57D1CD

# Triad

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



7BD0AB



A9BDFE



FBAC94

# Complementary

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



7BD0AB



D07BA0

# 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.



FFA6B2



7BD0AB



D6B2F0

# Square

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



7BD0AB



76C8FE



F5A9D3



E6B780

# Rectangle

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



7BD0AB



4DD0E2



F5A9D3



FFAA9D

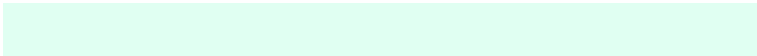


# Sweetspot

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



7BD0AB



E0FFF2



A1D07B



6E8078



000000



808080

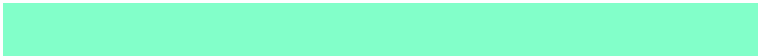


# Same Dimension

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



7BD0AB



82FFC9



7BCCD0



5E6964



00A85F



002917



# Inverse Universe

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



D07BA0



FF82B8



D07F7B



695E63



A80049



290012



# Previews

## White Background



This preview shows how the Hex color 7BD0AB looks on a white background.

## Color Contrast Check

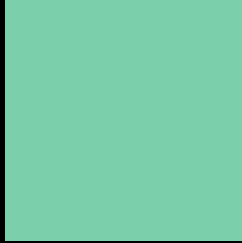
Large Text (above 18pt) WCAG AA × Fail

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 7BD0AB 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 7BD0AB Background



This preview shows how black text looks on a background with the Hex color 7BD0AB.

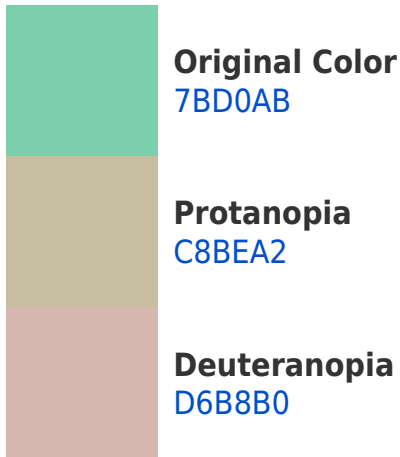


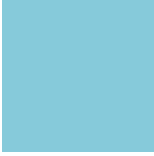
This preview shows how white text looks on a background with the Hex color 7BD0AB.

# 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**  
86CADA

# Trichromacy



**Original Color**  
7BD0AB



**Protanomaly**  
ACC5A5



**Deuteranomaly**  
B5C1AE



**Tritanomaly**  
82CCC9

# Monochromacy



**Original Color**  
7BD0AB



**Achromatopsia**  
B2B2B2



**Achromatomaly**  
9EBDAF

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BD0AB 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 #7BD0AB looks like.

```
.text, #text, p{  
    color:#7BD0AB  
}
```

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 #7BD0AB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BD0AB
}
```

## Border

The CSS property to change the border of an element to Hex 7BD0AB 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
#7BD0AB }
```

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

```
.border{ border-color:#7BD0AB }
```

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

Here you see how a box with a 4 pixel #7BD0AB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BD0AB; -webkit-box-shadow:4px 4px  
4px 4px #7BD0AB; box-shadow:4px 4px 4px  
4px #7BD0AB }
```

# Background

The CSS property to change the background color of an element to Hex 7BD0AB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BD0AB }
```

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

```
.background{ background-color:#7BD0AB }
```

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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