

# Converting Colors

Hex(7BDBA6)

Have a look what the booklet for  
Hex(7BDBA6) contains.

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# **Color**

**Hex(7BDBA6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BDBA6
RGB	123, 219, 166
RGB Percent	48%, 86%, 65%
CMY	0.5176, 0.1412, 0.3490
CMYK	0.44, 0.00, 0.24, 0.14
HSL	147°, 57%, 67%
HSV	147°, 44%, 86%
XYZ	40.3828, 57.6272, 45.0712
YIQ	184.2540, -40.2030, -36.8350

# Conversions

## Conversions Part 2

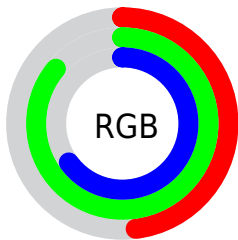
Format	Color
<a href="#">RYB</a>	<a href="#">123, 189, 219</a>
Decimal	<a href="#">8117158</a>
CIELab	<a href="#">80.53, -40.20, 17.38</a>
CIELCh	<a href="#">81, 43.792, 156.618</a>
Yxy	<a href="#">57.6272, 0.2822, 0.4028</a>
Android (android.graphics.Color)	<a href="#">4286307238 (0xFF7BDBA6)</a>
YUV	<a href="#">184.2540, -8.9992, -53.7198</a>
Hunter-Lab	<a href="#">75.9126, -37.8912, 17.9369</a>

# Details

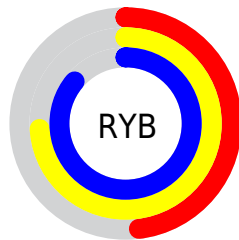
The Hex color **7BDBA6** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **DB7BB0**, and the grayscale version is **B8B8B8**.

A 20% lighter version of the original color is **B3FFDD**, and **43A372** is the 20% darker color. If you saturate the color by 10%, you get **65DB9A**, and if you desaturate by 10%, it is **91DBB2**.

# Distribution



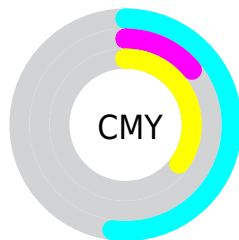
- Red (48%)
- Green (86%)
- Blue (65%)



- Red (48%)
- Yellow (74%)
- Blue (86%)



- Cyan (44%)
- Magenta (0%)
- Yellow (24%)
- Black (14%)



- Cyan (52%)
- Magenta (14%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BDBA6 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 7BDBA6 by changing the saturation by 10% instead.



 7BDBA6

 7BDBA6

FFFFFF

 5FBF8C


 B3FFDD

 43A372

 D0FFFA

 238959

 EEEFFF

 006F42

 00562B

 003D16

 002800

 000400

 000000

 7BDBA6

 7BDBA6

 65DB9A

 91DBB2

 4FDB8E

 A7DBBE

 39DB82

 BDDBCA

 23DB76

 D3DBD6

 0DDB6A

 E9DBE2

 00DB62

 FEDBEF

 FFDBFB

 FFDBFF

# Harmonies

## Analogous

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



AED485



7BDBA6



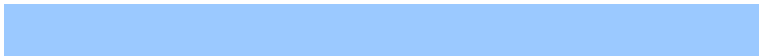
3DDED0

# Triad

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



7BDBA6



9BC9FF



FFAD99

# Complementary

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



7BDBA6



DB7BB0

# 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.



FFA8C0



7BDBA6



D8BAFF

# Square

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



7BDBA6



4FD5FF



FFADE9



FDBA7D

# Rectangle

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



7BDBA6



00DDEB



FFADE9



FFAAA5

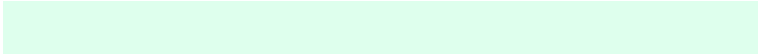


# Sweetspot

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



7BDBA6



DEFFED



B1DB7B



6B8074



000000



808080



# Same Dimension

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



7BDBA6



78FFB4



7BDBD5



636E68



00AD4E



002E15



# Inverse Universe

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



DB7BB0



FF78C2



DB7B81



6E6369



AD0060

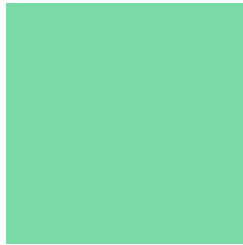


2E0019



# Previews

## White Background



This preview shows how the Hex color 7BDBA6 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 7BDBA6 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 7BDBA6 Background



This preview shows how black text looks on a background with the Hex color 7BDBA6.

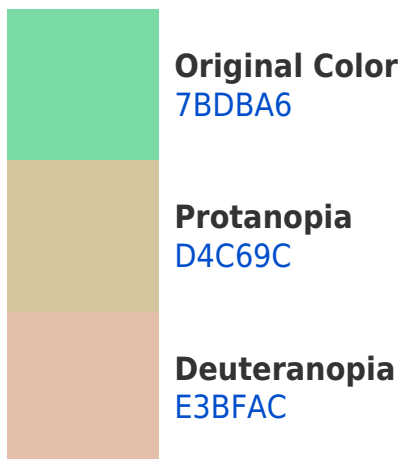


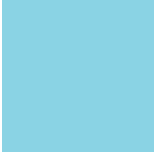
This preview shows how white text looks on a background with the Hex color 7BDBA6.

# 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**  
8AD3E4

# Trichromacy



**Original Color**  
7BDBA6



**Protanomaly**  
B4CEA0



**Deuteranomaly**  
BDC9AA

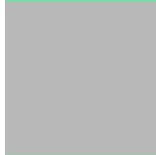


**Tritanomaly**  
85D6CD

# Monochromacy



**Original Color**  
7BDBA6



**Achromatopsia**  
B8B8B8



**Achromatomaly**  
A2C5B1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BDBA6 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 #7BDBA6 looks like.

```
.text, #text, p{  
    color:#7BDBA6  
}
```

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 #7BDBA6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BDBA6
}
```

## Border

The CSS property to change the border of an element to Hex 7BDBA6 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
#7BDBA6 }
```

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

```
.border{ border-color:#7BDBA6 }
```

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

Here you see how a box with a 4 pixel #7BDBA6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BDBA6; -webkit-box-shadow:4px 4px  
4px 4px #7BDBA6; box-shadow:4px 4px 4px  
4px #7BDBA6 }
```

# Background

The CSS property to change the background color of an element to Hex 7BDBA6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BDBA6 }
```

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

```
.background{ background-color:#7BDBA6 }
```

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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