

# Converting Colors

Hex(65BDB2)

Have a look what the booklet for  
Hex(65BDB2) contains.

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**Color**

**Hex(65BDB2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65BDB2
RGB	101, 189, 178
RGB Percent	40%, 74%, 70%
CMY	0.6039, 0.2588, 0.3020
CMYK	0.47, 0.00, 0.06, 0.26
HSL	172°, 40%, 57%
HSV	172°, 47%, 74%
XYZ	31.6003, 42.3762, 48.6334
YIQ	161.4340, -48.9170, -22.0770

# Conversions

## Conversions Part 2

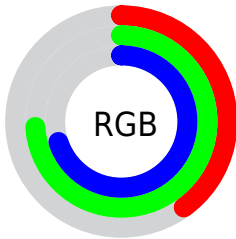
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 148, 189
Decimal	6667698
CIELab	71.13, -29.18, -2.66
CIELCh	71, 29.298, 185.205
Yxy	42.3762, 0.2577, 0.3456
Android (android.graphics.Color)	4284857778 (0xFF65BDB2)
YUV	161.4340, 8.1670, -53.0006
Hunter-Lab	65.0970, -27.2699, 1.2729

# Details

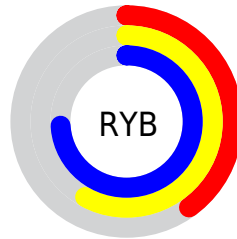
The Hex color **65BDB2** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **BD6570**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **9DF6EA**, and **2A877D** is the 20% darker color. If you saturate the color by 10%, you get **52BDB0**, and if you desaturate by 10%, it is **78BDB4**.

# Distribution



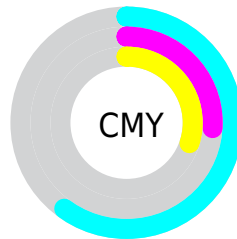
- Red (40%)
- Green (74%)
- Blue (70%)



- Red (40%)
- Yellow (58%)
- Blue (74%)



- Cyan (47%)
- Magenta (0%)
- Yellow (6%)
- Black (26%)



- Cyan (60%)
- Magenta (26%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 65BDB2 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 65BDB2 by changing the saturation by 10% instead.





65BDB2



65BDB2

FFFFFF



49A297



9DF6EA



2A877D



BAFFFF



006E65



D7FFFF



00554D



F4FFFF



003D36



002721



00080A



000000



65BDB2



65BDB2

■ 52BDB0

■ 78BDB4

■ 3FBDA9

■ 8BBDB7

■ 2CBDAB

■ 9EBDB9

■ 19BDA9

■ B1BDBB

■ 07BDA6

■ C4BDBE

■ 00BDA5

■ D6BDC0

■ E9BDC3

■ FCBDC5

■ FFBDC7

# Harmonies

## Analogous

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



80BB97



65BDB2



5ABCCC

# Triad

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



65BDB2



B8A6DA



D4A57E

# Complementary

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



65BDB2



BD6570

# 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.



E29D91



65BDB2



D49EC5

# Square

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



65BDB2



93AFE3



E29AAA



BDAE79

# Rectangle

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



65BDB2



64B9D9



E29AAA



DAA283



# Sweetspot

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



65BDB2



D3F5F1



71BD65



667A78



FAFAFA



7A7A7A



# Same Dimension

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



65BDB2



6CF5E4



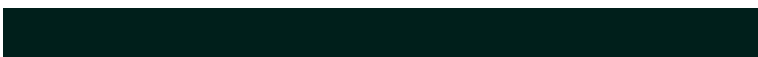
659DBD



555E5D



009E8A



001F1B



# Inverse Universe

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



BD6570



F56C7D



BD8565



5E5556



9E0014

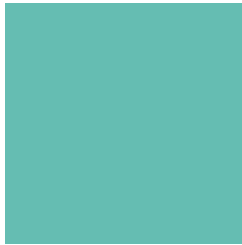


1F0004



# Previews

## White Background



This preview shows how the Hex color 65BDB2 looks on a white background.

## Color Contrast Check

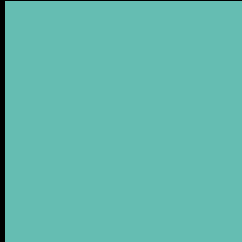
Large Text (above 18pt) WCAG AA × Fail

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 65BDB2 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 65BDB2 Background



This preview shows how black text looks on a background with the Hex color 65BDB2.

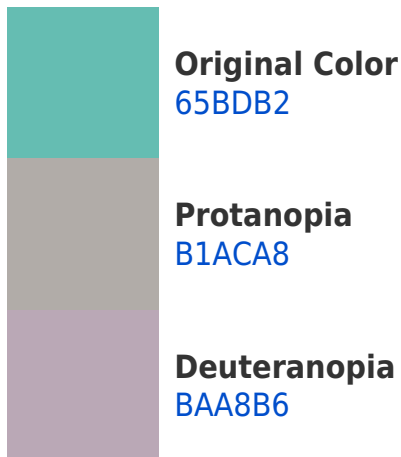


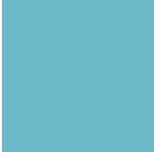
This preview shows how white text looks on a background with the Hex color 65BDB2.

# 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](#).

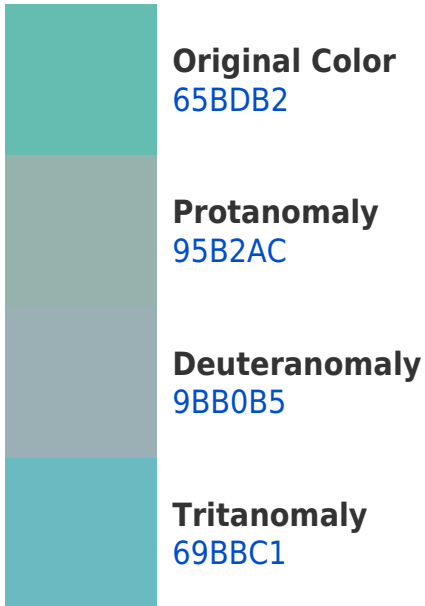
## Dichromacy



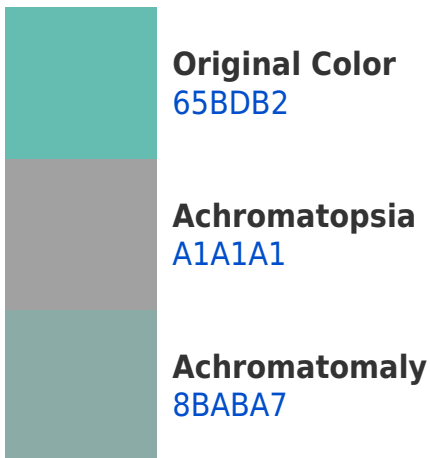


**Tritanopia**  
6CBAC9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 65BDB2 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 #65BDB2 looks like.

```
.text, #text, p{  
    color:#65BDB2  
}
```

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 #65BDB2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #65BDB2
}
```

## Border

The CSS property to change the border of an element to Hex 65BDB2 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
#65BDB2 }
```

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

```
.border{ border-color:#65BDB2 }
```

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

Here you see how a box with a 4 pixel #65BDB2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #65BDB2; -webkit-box-shadow:4px 4px  
4px 4px #65BDB2; box-shadow:4px 4px 4px  
4px #65BDB2 }
```

# Background

The CSS property to change the background color of an element to Hex 65BDB2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#65BDB2 }
```

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

```
.background{ background-color:#65BDB2 }
```

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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