

# Converting Colors

Hex(3BDBB3)

Have a look what the booklet for  
Hex(3BDBB3) contains.

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# Color

**Hex(3BDBB3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BDBB3
RGB	59, 219, 179
RGB Percent	23%, 86%, 70%
CMY	0.7686, 0.1412, 0.2980
CMYK	0.73, 0.00, 0.18, 0.14
HSL	165°, 69%, 55%
HSV	165°, 73%, 86%
XYZ	35.2718, 54.8475, 51.3754
YIQ	166.6000, -82.5200, -46.3600

# Conversions

## Conversions Part 2

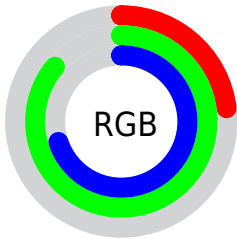
Format	Color
<a href="#">RYB</a>	<a href="#">59, 150, 219</a>
Decimal	<a href="#">3922867</a>
CIELab	<a href="#">78.95, -49.97, 8.01</a>
CIELCh	<a href="#">79, 50.612, 170.894</a>
Yxy	<a href="#">54.8475, 0.2493, 0.3876</a>
Android (android.graphics.Color)	<a href="#">4282112947 (0xFF3BDBB3)</a>
YUV	<a href="#">166.6000, 6.1132, -94.3652</a>
Hunter-Lab	<a href="#">74.0591, -44.5900, 10.7114</a>

# Details

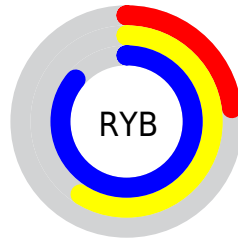
The Hex color **3BDBB3** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **DB3B63**, and the grayscale version is **A7A7A7**.

A 20% lighter version of the original color is **80FFEB**, and **00A37E** is the 20% darker color. If you saturate the color by 10%, you get **25DBAE**, and if you desaturate by 10%, it is **51DBB8**.

# Distribution



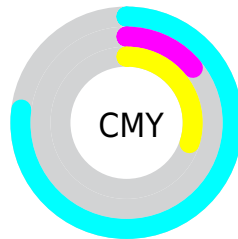
- Red (23%)
- Green (86%)
- Blue (70%)



- Red (23%)
- Yellow (59%)
- Blue (86%)



- Cyan (73%)
- Magenta (0%)
- Yellow (18%)
- Black (14%)



- Cyan (77%)
- Magenta (14%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3BDBB3 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 3BDBB3 by changing the saturation by 10% instead.



 3BDBB3

 3BDBB3

FFFFFF

 00BF98

 80FFEB

 00A37E

 9FFFFFF

 008865

 BEFFFF

 006E4D

 DDFFFF

 005437

 FBFFFF

 003C21

 00250B

 000000

 3BDBB3

 3BDBB3

 25DBAE

 51DBB8

 0FDBA8

 67DBBE

 00DBA4

 7DDBC3

 93DBC9

 A8DBCE

 BEDBD4

 D4DBD9

 EADBDF

 FFDBE4

# Harmonies

## Analogous

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



89D586



3BDBB3



00DCE4

# Triad

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



3BDBB3



B1BDFE



FFA726

# Complementary

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



3BDBB3



DB3B63

# 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.



FF9FA4



3BDBB3



F0ABFF

# Square

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



3BDBB3



53CDFE



FF9ED4



EDBC65

# Rectangle

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



3BDBB3



00D9FF



FF9ED4



FFA688

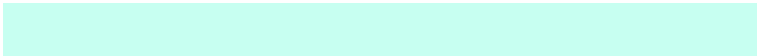


# Sweetspot

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



3BDBB3



C7FFF1



63DB3B



5E8077



000000



808080



# Same Dimension

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



3BDBB3



1FFFC7



3BB3DB



636E6B



00AD82



002E22



# Inverse Universe

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



DB3B63



FF1F57



DB633B



6E6365



AD002B

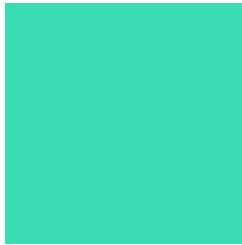


2E000B



# Previews

## White Background



This preview shows how the Hex color 3BDBB3 looks on a white background.

## Color Contrast Check

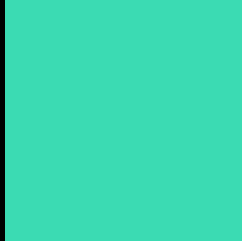
Large Text (above 18pt) WCAG AA × Fail

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 3BDBB3 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

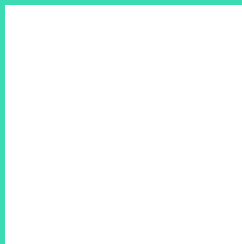
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3BDBB3 Background



This preview shows how black text looks on a background with the Hex color 3BDBB3.

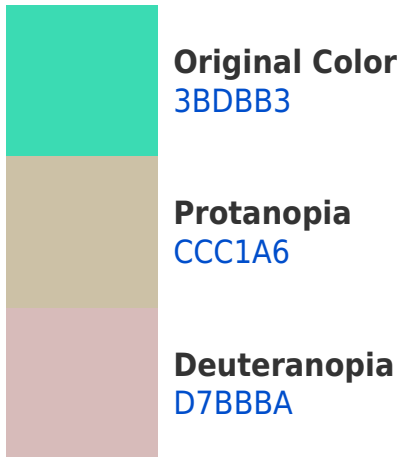


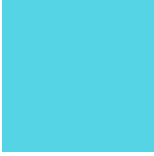
This preview shows how white text looks on a background with the Hex color 3BDBB3.

# 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**  
55D4E5

# Trichromacy



**Original Color**  
3BDBB3



**Protanomaly**  
97CAAB



**Deuteranomaly**  
9EC7B7

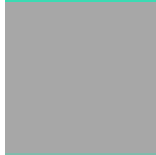


**Tritanomaly**  
4CD7D3

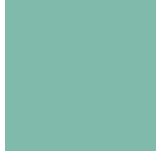
# Monochromacy



**Original Color**  
3BDBB3



**Achromatopsia**  
A7A7A7



**Achromatomaly**  
80BAAB

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3BDBB3 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 #3BDBB3 looks like.

```
.text, #text, p{  
    color:#3BDBB3  
}
```

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 #3BDBB3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3BDBB3
}
```

## Border

The CSS property to change the border of an element to Hex 3BDBB3 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
#3BDBB3 }
```

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

```
.border{ border-color:#3BDBB3 }
```

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

Here you see how a box with a 4 pixel #3BDBB3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3BDBB3; -webkit-box-shadow:4px 4px  
4px 4px #3BDBB3; box-shadow:4px 4px 4px  
4px #3BDBB3 }
```

# Background

The CSS property to change the background color of an element to Hex 3BDBB3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3BDBB3 }
```

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

```
.background{ background-color:#3BDBB3 }
```

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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