

# Converting Colors

Hex(3BDCC0)

Have a look what the booklet for  
Hex(3BDCC0) contains.

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# Color

Hex(3BDCC0)

# Conversions

## Conversions Part 1

Format	Color
Hex	3BDCC0
RGB	59, 220, 192
RGB Percent	23%, 86%, 75%
CMY	0.7686, 0.1373, 0.2471
CMYK	0.73, 0.00, 0.13, 0.14
HSL	170°, 70%, 55%
HSV	170°, 73%, 86%
XYZ	36.9113, 55.9220, 58.7178
YIQ	168.6690, -86.9680, -42.8400

# Conversions

## Conversions Part 2

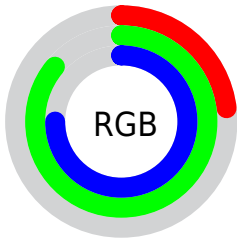
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 147, 220
Decimal	3923136
CIELab	79.57, -47.15, 1.98
CIELCh	80, 47.188, 177.592
Yxy	55.9220, 0.2436, 0.3690
Android (android.graphics.Color)	4282113216 (0xFF3BDCC0)
YUV	168.6690, 11.5022, -96.1797
Hunter-Lab	74.7810, -42.7607, 5.7924

# Details

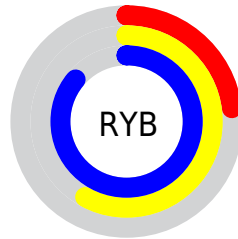
The Hex color **3BDCC0** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted cyan. A complement of this color would be **DC3B57**, and the grayscale version is **A9A9A9**.

A 20% lighter version of the original color is **81FFF8**, and **00A48B** is the 20% darker color. If you saturate the color by 10%, you get **25DCBC**, and if you desaturate by 10%, it is **51DCC4**.

# Distribution



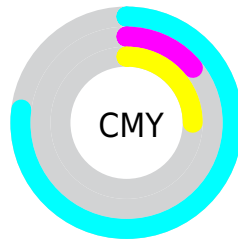
- Red (23%)
- Green (86%)
- Blue (75%)



- Red (23%)
- Yellow (58%)
- Blue (86%)



- Cyan (73%)
- Magenta (0%)
- Yellow (13%)
- Black (14%)



- Cyan (77%)
- Magenta (14%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3BDCC0 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 3BDCC0 by changing the saturation by 10% instead.



 3BDCC0

 3BDCC0

FFFFFF

 00C0A5

 81FFF8

 00A48B

 A0FFFF

 008971

 BFFFFFF

 006F59

 DEFFF

 005541

 FDFFFF

 003D2C

 002717

 000000

 3BDCC0

 3BDCC0

 25DCBC

 51DCC4

 0FDCB8

 67DCC8

 00DCB6

 7DDCCB

 93DCCF

 A9DCD3

 BFDCD7

 D5DCDB

 EBDCDF

 FFDCE2

# Harmonies

## Analogous

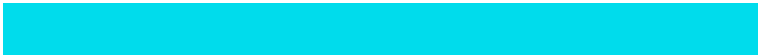
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83D894



3BDCC0



00DCEC

# Triad

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



3BDCC0



C4BBFF



FFB27C

# Complementary

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



3BDCC0



DC3B57

# 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.



FFA59F



3BDCC0



F9ABF5

# Square

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



3BDCC0



79CBFF



FFA2CB



E4C16C

# Rectangle

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



3BDCC0



00D8FF



FFA2CB



FFAD86

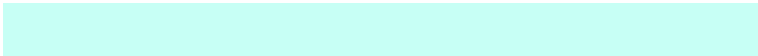


# Sweetspot

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



3BDCC0



C7FFF5



59DC3B



5E807A



000000



808080



# Same Dimension

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



3BDCC0



1FFFD8



3BA9DC



636E6C



00AD8F



002E26



# Inverse Universe

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



DC3B57



FF1F46



DC6E3B



6E6365



AD001E

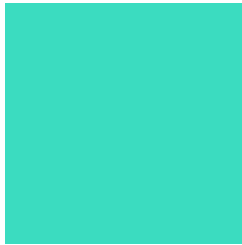


2E0008



# Previews

## White Background



This preview shows how the Hex color 3BDCC0 looks on a white background.

## Color Contrast Check

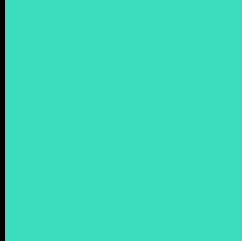
Large Text (above 18pt) WCAG AA × Fail

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 3BDCC0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

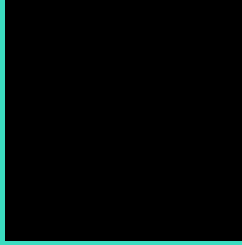
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

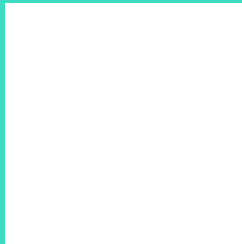
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3BDCC0 Background



This preview shows how black text looks on a background with the Hex color 3BDCC0.

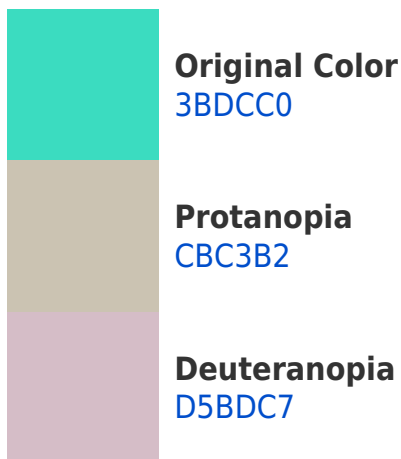


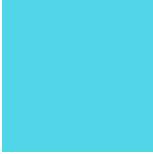
This preview shows how white text looks on a background with the Hex color 3BDCC0.

# 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](#).

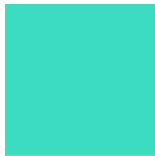
## Dichromacy



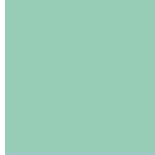


**Tritanopia**  
51D6E8

# Trichromacy



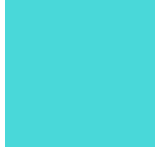
**Original Color**  
3BDCC0



**Protanomaly**  
97CCB7



**Deuteranomaly**  
9DC8C4

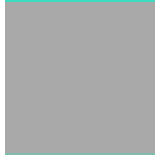


**Tritanomaly**  
49D8D9

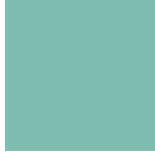
# Monochromacy



**Original Color**  
3BDCC0



**Achromatopsia**  
A9A9A9



**Achromatomaly**  
81BCB1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3BDCC0 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 #3BDCC0 looks like.

```
.text, #text, p{  
    color:#3BDCC0  
}
```

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 #3BDCC0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3BDCC0
}
```

## Border

The CSS property to change the border of an element to Hex 3BDCC0 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
#3BDCC0 }
```

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

```
.border{ border-color:#3BDCC0 }
```

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

Here you see how a box with a 4 pixel #3BDCC0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3BDCC0; -webkit-box-shadow:4px 4px  
4px 4px #3BDCC0; box-shadow:4px 4px 4px  
4px #3BDCC0 }
```

# Background

The CSS property to change the background color of an element to Hex 3BDCC0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3BDCC0 }
```

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

```
.background{ background-color:#3BDCC0 }
```

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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