

# Converting Colors

Hex(3BD8CF)

Have a look what the booklet for  
Hex(3BD8CF) contains.

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# Color

**Hex(3BD8CF)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 3BD8CF                       |
| RGB         | 59, 216, 207                 |
| RGB Percent | 23%, 85%, 81%                |
| CMY         | 0.7686, 0.1529, 0.1882       |
| CMYK        | 0.73, 0.00, 0.04, 0.15       |
| HSL         | 177°, 67%, 54%               |
| HSV         | 177°, 73%, 85%               |
| XYZ         | 37.6220, 54.5465, 67.5771    |
| YIQ         | 168.0310, -90.6830, -36.0830 |

# Conversions

## Conversions Part 2

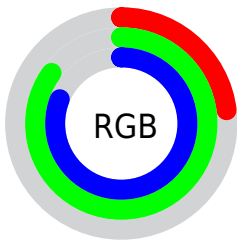
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>YB</sub>                     | 59, 140, 216                   |
| Decimal                             | 3922127                        |
| CIE Lab                             | 78.78, -41.41, -7.19           |
| CIE LCh                             | 79, 42.034, 189.844            |
| Yxy                                 | 54.5465, 0.2355,<br>0.3415     |
| Android<br>(android.graphics.Color) | 4282112207<br>(0xFF3BD8CF)     |
| YUV                                 | 168.0310, 19.2117,<br>-95.6202 |
| Hunter-Lab                          | 73.8556, -38.3196,<br>-2.5508  |

# Details

The Hex color **3BD8CF** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **D83B44**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **81FFFF**, and **00A099** is the 20% darker color. If you saturate the color by 10%, you get **25D8CE**, and if you desaturate by 10%, it is **51D8D0**.

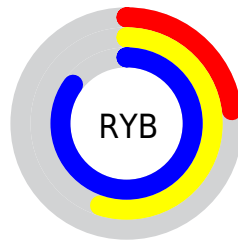
# Distribution



Red (23%)

Green (85%)

Blue (81%)



Red (23%)

Yellow (55%)

Blue (85%)

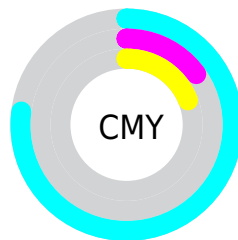


Cyan (73%)

Magenta (0%)

Yellow (4%)

Black (15%)



Cyan (77%)

Magenta (15%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3BD8CF 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 3BD8CF by changing the saturation by 10% instead.



 3BD8CF

 3BD8CF

FFFFFF

 00BCB4

 81FFFF

 00A099

 A1FFFF

 00867F

 C0FFFF

 006C66

 DFFFFF

 00534E

FEFFFF

 003A37

 002622

 00000C

 000000

 3BD8CF

 3BD8CF

 25D8CE

 51D8D0

 10D8CD

 66D8D1

 00D8CC

 7CD8D3

 91D8D4

 A7D8D5

 BDD8D6

 D2D8D8

 E8D8D9

 FDD8DA

# Harmonies

## Analogous

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



74D6A7



3BD8CF



12D6F4

# Triad

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



3BD8CF



D8B4FF



F3B77A

# Complementary

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



3BD8CF



D83B44

# 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.



FFAB93



3BD8CF



FEA8DF

# Square

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



3BD8CF



9FC2FF



FFA4B7



D0C575

# Rectangle

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



3BD8CF



41D1FF



FFA4B7



FCB380

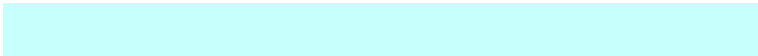


# Sweetspot

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



3BD8CF



C7FFFC



45D83B



5E807E



000000



808080



# Same Dimension

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



3BD8CF



21FFF2



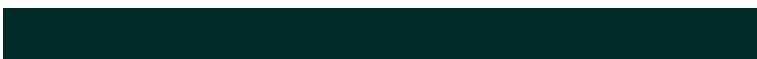
3B94D8



606B6A



00ABA1



002B29



# Inverse Universe

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



D83B44



FF212E



D87F3B



6B6061



AB000A

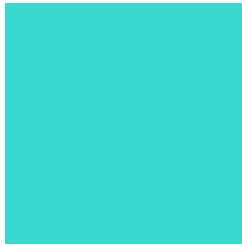


2B0002



# Previews

## White Background



This preview shows how the Hex color 3BD8CF looks on a white background.

## Color Contrast Check

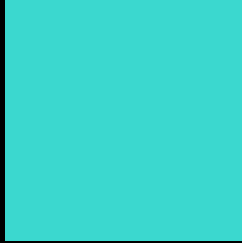
Large Text (above 18pt) WCAG AA × Fail

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 3BD8CF 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

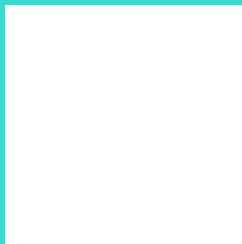
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3BD8CF Background



This preview shows how black text looks on a background with the Hex color 3BD8CF.

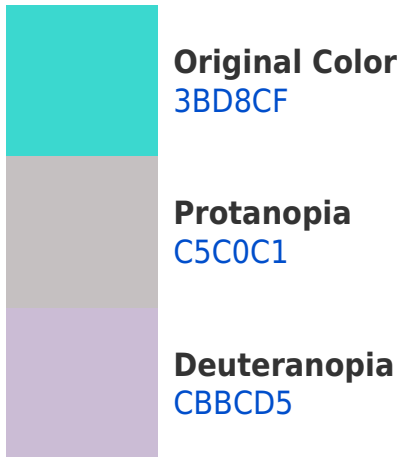


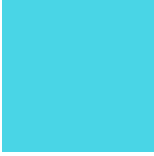
This preview shows how white text looks on a background with the Hex color 3BD8CF.

# 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**  
49D5E6

# Trichromacy



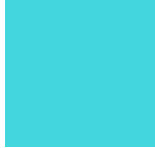
**Original Color**  
3BD8CF



**Protanomaly**  
93C9C6



**Deuteranomaly**  
97C6D3

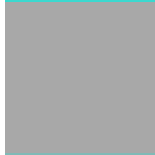


**Tritanomaly**  
44D6DE

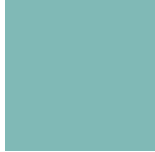
# Monochromacy



**Original Color**  
3BD8CF



**Achromatopsia**  
A8A8A8



**Achromatomaly**  
80B9B6

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3BD8CF 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 #3BD8CF looks like.

```
.text, #text, p{  
    color:#3BD8CF  
}
```

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 #3BD8CF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3BD8CF
}
```

## Border

The CSS property to change the border of an element to Hex 3BD8CF 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
#3BD8CF }
```

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

```
.border{ border-color:#3BD8CF }
```

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

Here you see how a box with a 4 pixel #3BD8CF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3BD8CF; -webkit-box-shadow:4px 4px  
4px 4px #3BD8CF; box-shadow:4px 4px 4px  
4px #3BD8CF }
```

# Background

The CSS property to change the background color of an element to Hex 3BD8CF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3BD8CF }
```

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

```
.background{ background-color:#3BD8CF }
```

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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