

# Converting Colors

Hex(3BC6B1)

Have a look what the booklet for  
Hex(3BC6B1) contains.

<b>Hex(3BC6B1)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(3BC6B1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BC6B1
RGB	59, 198, 177
RGB Percent	23%, 78%, 69%
CMY	0.7686, 0.2235, 0.3059
CMYK	0.70, 0.00, 0.11, 0.22
HSL	171°, 55%, 50%
HSV	171°, 70%, 78%
XYZ	29.9335, 44.4923, 48.6052
YIQ	154.0450, -76.1030, -35.9990

# Conversions

## Conversions Part 2

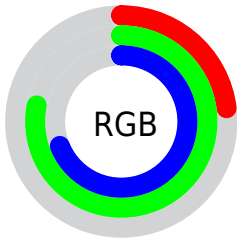
Format	Color
<a href="#">RYB</a>	<a href="#">59, 134, 198</a>
Decimal	<a href="#">3917489</a>
CIELab	<a href="#">72.56, -41.53, -0.17</a>
CIELCh	<a href="#">73, 41.528, 180.233</a>
Yxy	<a href="#">44.4923, 0.2433, 0.3616</a>
Android (android.graphics.Color)	<a href="#">4282107569 (0xFF3BC6B1)</a>
YUV	<a href="#">154.0450, 11.3168, -83.3545</a>
Hunter-Lab	<a href="#">66.7025, -36.6255, 3.4880</a>

# Details

The Hex color **3BC6B1** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **C63B50**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **7DFFE9**, and **008F7D** is the 20% darker color. If you saturate the color by 10%, you get **27C6AE**, and if you desaturate by 10%, it is **4FC6B4**.

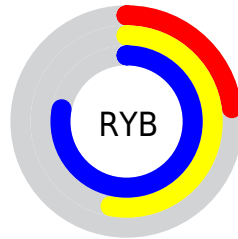
# Distribution



Red (23%)

Green (78%)

Blue (69%)



Red (23%)

Yellow (53%)

Blue (78%)

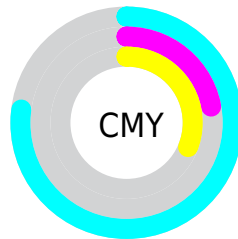


Cyan (70%)

Magenta (0%)

Yellow (11%)

Black (22%)



Cyan (77%)

Magenta (22%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3BC6B1 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 3BC6B1 by changing the saturation by 10% instead.



 3BC6B1

 3BC6B1

FFFFFF

 00AA96

 7DFFE9

 008F7D

 9BFFFF

 007564

 B9FFFF

 005C4C

 D7FFFF

 004335

 F6FFFF

 002C20

 001109

 000000

 3BC6B1

 3BC6B1

 27C6AE

 4FC6B4

 13C6AB

 63C6B7

 00C6A8

 76C6BA

 8AC6BD

 9EC6C0

 B2C6C3

 C6C6C6

 D9C6C9

 EDC6CC

# Harmonies

## Analogous

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



75C38B



3BC6B1



00C5D7

# Triad

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



3BC6B1



B6A8F4



E9A271

# Complementary

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



3BC6B1



C63B50

# 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.



FA978E



3BC6B1



E29BD8

# Square

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



3BC6B1



79B6FD



F994B3



CAB065

# Rectangle

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



3BC6B1



00C2EB



F994B3



F09E79

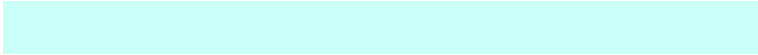


# Sweetspot

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



3BC6B1



C9FFF7



52C63B



60807B



000000



808080



# Same Dimension

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



3BC6B1



29FFDF



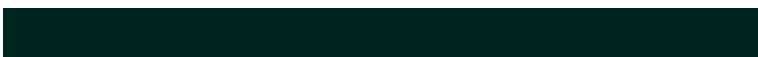
3B98C6



5A6362



00A38B



00241E



# Inverse Universe

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



C63B50



FF2949



C6693B



635A5B



A30019

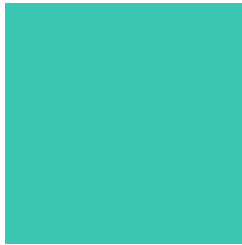


240005



# Previews

## White Background



This preview shows how the Hex color 3BC6B1 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 3BC6B1 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

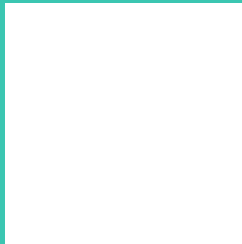
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3BC6B1 Background



This preview shows how black text looks on a background with the Hex color 3BC6B1.



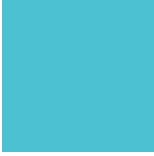
This preview shows how white text looks on a background with the Hex color 3BC6B1.

# 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**  
4CC1D1

# Trichromacy



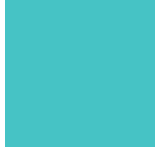
**Original Color**  
3BC6B1



**Protanomaly**  
8AB8A9



**Deuteranomaly**  
8FB5B5



**Tritanomaly**  
46C3C5

# Monochromacy



**Original Color**  
3BC6B1



**Achromatopsia**  
9A9A9A



**Achromatomaly**  
77AAA2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3BC6B1 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 #3BC6B1 looks like.

```
.text, #text, p{  
    color:#3BC6B1  
}
```

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 #3BC6B1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3BC6B1
}
```

## Border

The CSS property to change the border of an element to Hex 3BC6B1 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
#3BC6B1 }
```

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

```
.border{ border-color:#3BC6B1 }
```

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

Here you see how a box with a 4 pixel #3BC6B1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3BC6B1; -webkit-box-shadow:4px 4px  
4px 4px #3BC6B1; box-shadow:4px 4px 4px  
4px #3BC6B1 }
```

# Background

The CSS property to change the background color of an element to Hex 3BC6B1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3BC6B1 }
```

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

```
.background{ background-color:#3BC6B1 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor