

# Converting Colors

Hex(2BC7B4)

Have a look what the booklet for  
Hex(2BC7B4) contains.

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**Color**

**Hex(2BC7B4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BC7B4
RGB	43, 199, 180
RGB Percent	17%, 78%, 71%
CMY	0.8314, 0.2196, 0.2941
CMYK	0.78, 0.00, 0.10, 0.22
HSL	173°, 64%, 47%
HSV	173°, 78%, 78%
XYZ	29.6579, 44.6557, 50.2363
YIQ	150.1900, -86.8770, -38.9810

# Conversions

## Conversions Part 2

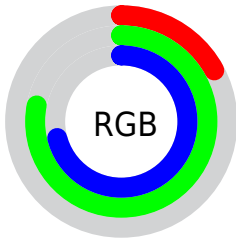
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 126, 199
Decimal	2869172
CIELab	72.66, -43.04, -1.67
CIELCh	73, 43.074, 182.226
Yxy	44.6557, 0.2381, 0.3585
Android (android.graphics.Color)	4281059252 (0xFF2BC7B4)
YUV	150.1900, 14.6963, -94.0056
Hunter-Lab	66.8249, -37.7227, 2.2056

# Details

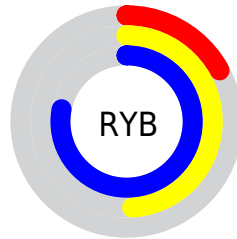
The Hex color **2BC7B4** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **C72B3E**, and the grayscale version is **969696**.

A 20% lighter version of the original color is **74FFEC**, and **00907F** is the 20% darker color. If you saturate the color by 10%, you get **17C7B2**, and if you desaturate by 10%, it is **3FC7B6**.

# Distribution



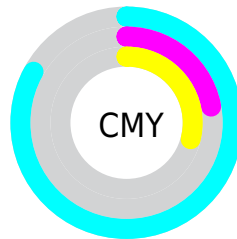
- Red (17%)
- Green (78%)
- Blue (71%)



- Red (17%)
- Yellow (49%)
- Blue (78%)



- Cyan (78%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)



- Cyan (83%)
- Magenta (22%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2BC7B4 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 2BC7B4 by changing the saturation by 10% instead.



 2BC7B4

 2BC7B4

FFFFFF

 00AB99

 74FFEC

 00907F

 93FFFF

 007666

 B2FFFF

 005C4E

 D0FFFF

 004438

 EFFFFFFF

 002D22

 00110D

 000000

 2BC7B4

 2BC7B4

■ 17C7B2

■ 3FC7B6

■ 03C7AF

■ 53C7B9

■ 00C7AF

■ 67C7BB

■ 7BC7BE

■ 8FC7C0

■ A2C7C3

■ B6C7C5

■ CAC7C7

■ DEC7CA

# Harmonies

## Analogous

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



6FC48C



2BC7B4



00C6DB

# Triad

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



2BC7B4



BAA7F5



E9A36D

# Complementary

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



2BC7B4



C72B3E

# 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.



FC978A



2BC7B4



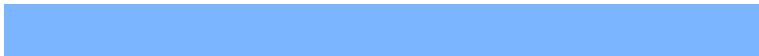
E699D8

# Square

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



2BC7B4



7BB5FF



FC93B1



C9B162

# Rectangle

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



2BC7B4



00C3F0



FC93B1



F19F75

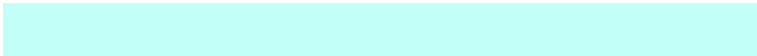


# Sweetspot

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



2BC7B4



C2FFF8



40C72B



5B807B



000000



808080



# Same Dimension

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



2BC7B4



0FFFE2



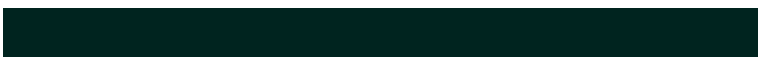
2B8EC7



5A6362



00A38F



00241F



# Inverse Universe

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



C72B3E



FF0F2C



C7642B



635A5B



A30014

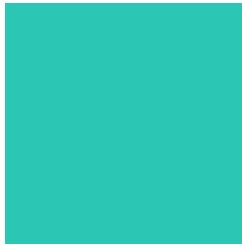


240004



# Previews

## White Background



This preview shows how the Hex color 2BC7B4 looks on a white background.

## Color Contrast Check

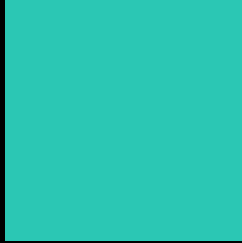
Large Text (above 18pt) WCAG AA × Fail

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 2BC7B4 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

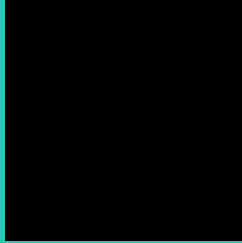
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

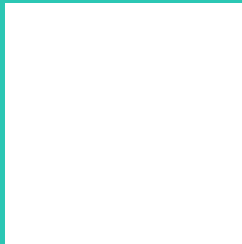
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2BC7B4 Background



This preview shows how black text looks on a background with the Hex color 2BC7B4.



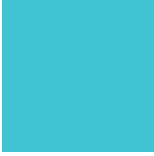
This preview shows how white text looks on a background with the Hex color 2BC7B4.

# 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**  
40C3D2

# Trichromacy



**Original Color**  
2BC7B4



**Protanomaly**  
83B8AC



**Deuteranomaly**  
89B6B8



**Tritanomaly**  
38C4C7

# Monochromacy



**Original Color**  
2BC7B4



**Achromatopsia**  
969696



**Achromatomaly**  
6FA8A1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2BC7B4 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 #2BC7B4 looks like.

```
.text, #text, p{  
    color:#2BC7B4  
}
```

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 #2BC7B4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2BC7B4
}
```

## Border

The CSS property to change the border of an element to Hex 2BC7B4 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
#2BC7B4 }
```

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

```
.border{ border-color:#2BC7B4 }
```

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

Here you see how a box with a 4 pixel #2BC7B4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2BC7B4; -webkit-box-shadow:4px 4px  
4px 4px #2BC7B4; box-shadow:4px 4px 4px  
4px #2BC7B4 }
```

# Background

The CSS property to change the background color of an element to Hex 2BC7B4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2BC7B4 }
```

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

```
.background{ background-color:#2BC7B4 }
```

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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