

# Converting Colors

Hex(1BD3B9)

Have a look what the booklet for  
Hex(1BD3B9) contains.

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# Color

**Hex(1BD3B9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1BD3B9
RGB	27, 211, 185
RGB Percent	11%, 83%, 73%
CMY	0.8941, 0.1725, 0.2745
CMYK	0.87, 0.00, 0.12, 0.17
HSL	172°, 77%, 47%
HSV	172°, 87%, 83%
XYZ	32.5032, 50.3243, 53.8994
YIQ	153.0200, -101.3180, -47.0940

# Conversions

## Conversions Part 2

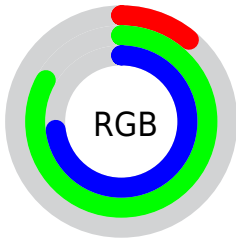
Format	Color
<a href="#">RYB</a>	<a href="#">27, 126, 211</a>
Decimal	<a href="#">1823673</a>
CIELab	<a href="#">76.27, -48.06, 0.87</a>
CIElCh	<a href="#">76, 48.065, 178.962</a>
Yxy	<a href="#">50.3243, 0.2377, 0.3681</a>
Android (android.graphics.Color)	<a href="#">4280013753</a> ( <a href="#">0xFF1BD3B9</a> )
YUV	<a href="#">153.0200, 15.7661, -110.5195</a>
Hunter-Lab	<a href="#">70.9396, -42.3590, 4.6096</a>

# Details

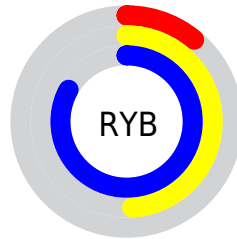
The Hex color **1BD3B9** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **D31B35**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **70FFF1**, and **009B84** is the 20% darker color. If you saturate the color by 10%, you get **06D3B6**, and if you desaturate by 10%, it is **30D3BC**.

# Distribution



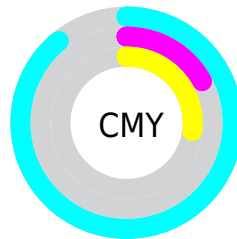
- Red (11%)
- Green (83%)
- Blue (73%)



- Red (11%)
- Yellow (49%)
- Blue (83%)



- Cyan (87%)
- Magenta (0%)
- Yellow (12%)
- Black (17%)



- Cyan (89%)
- Magenta (17%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1BD3B9 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 1BD3B9 by changing the saturation by 10% instead.



 1BD3B9

 1BD3B9

FFFFFF

 00B79E

 70FFF1

 009B84

 90FFFF

 00816B

 B0FFFF

 006753

 CFFFFFF

 004D3C

 EFFFFFF

 003526

 001E12

 000000

 1BD3B9

 1BD3B9

06D3B6

30D3BC

00D3B5

45D3BF

5AD3C2

6FD3C5

84D3C8

9AD3CB

AFD3CE

C4D3D1

D9D3D4

# Harmonies

## Analogous

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



75CF8D



1BD3B9



00D2E6

# Triad

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



1BD3B9



BEB1FF



FCA971

# Complementary

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



1BD3B9



D31B35

# 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.



FF9C93



1BD3B9



F2A1EB

# Square

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



1BD3B9



70C1FF



FF98BF



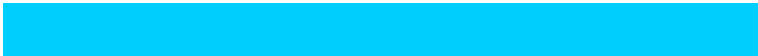
D9B962

# Rectangle

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



1BD3B9



00CFFE



FF98BF



FFA47B

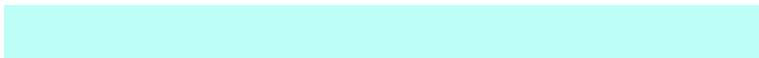


# Sweetspot

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



1BD3B9



BDFFF6



37D31B



58807A



000000



808080



# Same Dimension

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



1BD3B9



00FFDB



1B93D3



5E6967



00A891



002923



# Inverse Universe

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



D31B35



FF0024



D35B1B



695E60



A80018

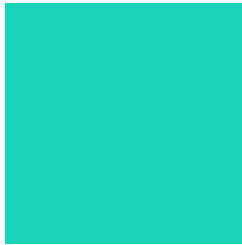


290006



# Previews

## White Background



This preview shows how the Hex color 1BD3B9 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 1BD3B9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

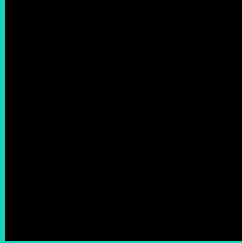
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

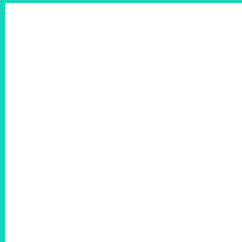
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 1BD3B9 Background



This preview shows how black text looks on a background with the Hex color 1BD3B9.

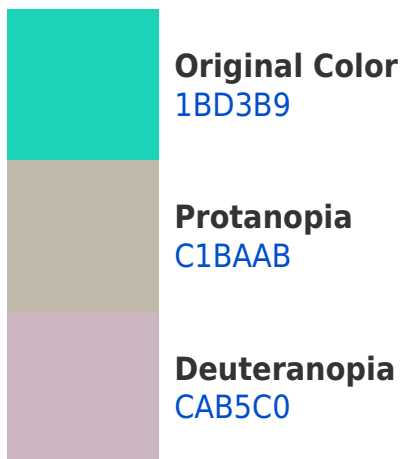


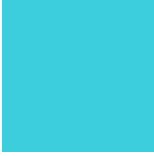
This preview shows how white text looks on a background with the Hex color 1BD3B9.

# Color Blindness Simulation

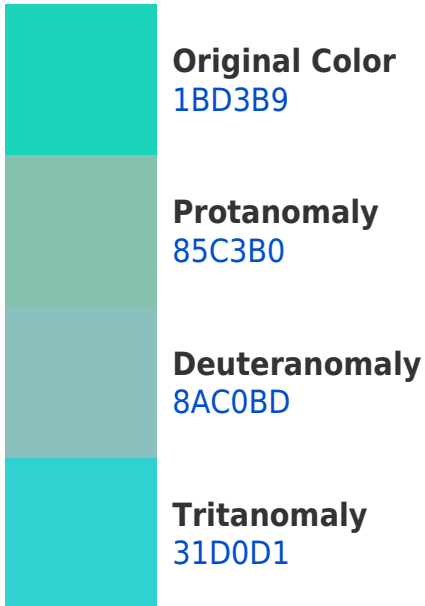
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

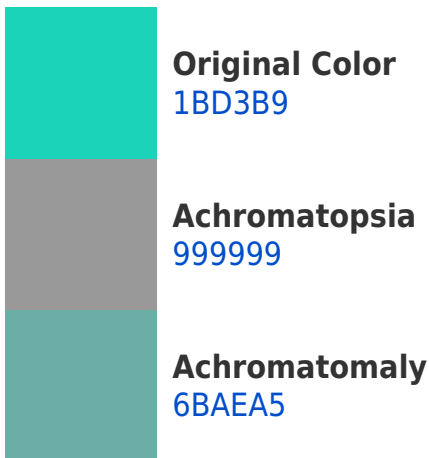




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1BD3B9 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 #1BD3B9 looks like.

```
.text, #text, p{  
    color:#1BD3B9  
}
```

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 #1BD3B9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1BD3B9
}
```

## Border

The CSS property to change the border of an element to Hex 1BD3B9 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
#1BD3B9 }
```

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

```
.border{ border-color:#1BD3B9 }
```

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

Here you see how a box with a 4 pixel #1BD3B9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1BD3B9; -webkit-box-shadow:4px 4px  
4px 4px #1BD3B9; box-shadow:4px 4px 4px  
4px #1BD3B9 }
```

# Background

The CSS property to change the background color of an element to Hex 1BD3B9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1BD3B9 }
```

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

```
.background{ background-color:#1BD3B9 }
```

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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