

# Converting Colors

Hex(49B9B3)

Have a look what the booklet for  
Hex(49B9B3) contains.

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**Color**

**Hex(49B9B3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49B9B3
RGB	73, 185, 179
RGB Percent	29%, 73%, 70%
CMY	0.7137, 0.2745, 0.2980
CMYK	0.61, 0.00, 0.03, 0.27
HSL	177°, 44%, 51%
HSV	177°, 61%, 73%
XYZ	28.2333, 39.3691, 48.7588
YIQ	150.8280, -64.8260, -25.6100

# Conversions

## Conversions Part 2

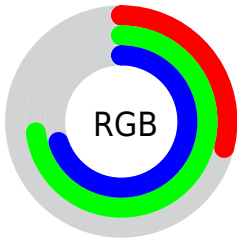
Format	Color
<a href="#">RYB</a>	<a href="#">73, 131, 185</a>
Decimal	<a href="#">4831667</a>
CIELab	<a href="#">69.02, -32.84, -6.43</a>
CIELCh	<a href="#">69, 33.465, 191.078</a>
Yxy	<a href="#">39.3691, 0.2426, 0.3383</a>
Android (android.graphics.Color)	<a href="#">4283021747 (0xFF49B9B3)</a>
YUV	<a href="#">150.8280, 13.8888, -68.2552</a>
Hunter-Lab	<a href="#">62.7448, -29.4836, -2.1527</a>

# Details

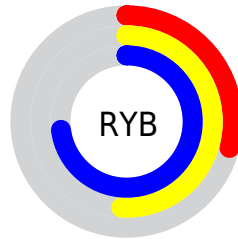
The Hex color **49B9B3** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **B9494F**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **85F2EB**, and **00837E** is the 20% darker color. If you saturate the color by 10%, you get **36B9B2**, and if you desaturate by 10%, it is **5BB9B4**.

# Distribution



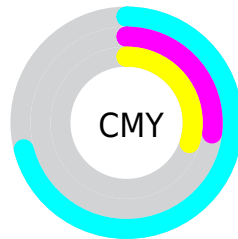
- Red (29%)
- Green (73%)
- Blue (70%)



- Red (29%)
- Yellow (51%)
- Blue (73%)



- Cyan (61%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)



- Cyan (71%)
- Magenta (27%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49B9B3 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 49B9B3 by changing the saturation by 10% instead.



 49B9B3

 49B9B3

FFFFFF

 259E98

 85F2EB

 00837E

 A2FFFF

 006A65

 C0FFFF

 00514E

 DEFFFF

 003937

 FCFFFF

 002521

 00000B

 000000

 49B9B3

 49B9B3

■ 36B9B2

■ 5BB9B4

■ 24B9B1

■ 6EB9B5

■ 11B9B0

■ 81B9B6

■ 00B9AF

■ 93B9B7

■ A5B9B8

■ B8B9B9

■ CBB9BA

■ DDB9BB

■ EFB9BC

# Harmonies

## Analogous

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



6CB794



49B9B3



3EB7CF

# Triad

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



49B9B3



BB9DD6



CEA070

# Complementary

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



49B9B3



B9494F

# 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.



E09682



49B9B3



D894BD

# Square

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



49B9B3



90A8E4



E4919E



B2AA6C

# Rectangle

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



49B9B3



52B3DD



E4919E



D59D74



# Sweetspot

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



49B9B3



C5F0ED



50B949



5D7876



F7F7F7



787878



# Same Dimension

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



49B9B3



41F0E6



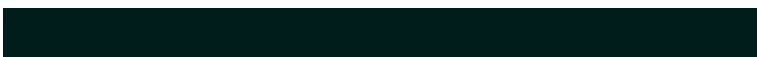
4988B9



535C5B



009C93



001C1B



# Inverse Universe

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



B9494F



F0414A



B97A49



5C5353



9C0008

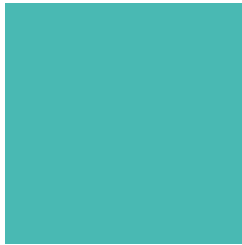


1C0002



# Previews

## White Background



This preview shows how the Hex color 49B9B3 looks on a white background.

## Color Contrast Check

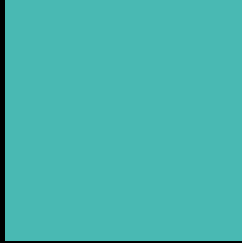
Large Text (above 18pt) WCAG AA × Fail

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 49B9B3 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

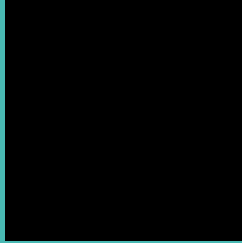
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

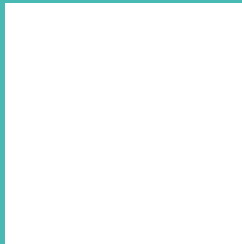
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 49B9B3 Background



This preview shows how black text looks on a background with the Hex color 49B9B3.

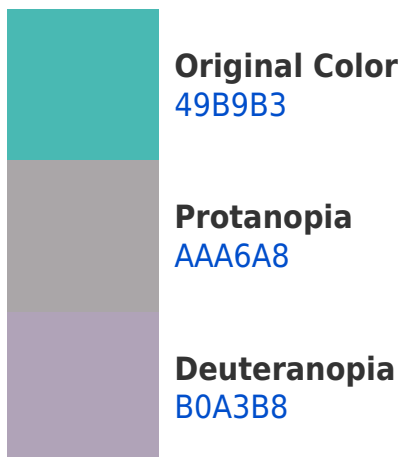


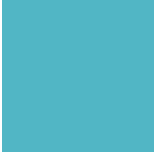
This preview shows how white text looks on a background with the Hex color 49B9B3.

# 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](#).

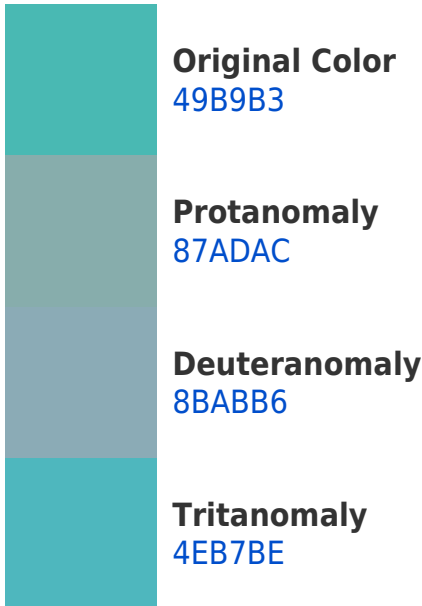
## Dichromacy



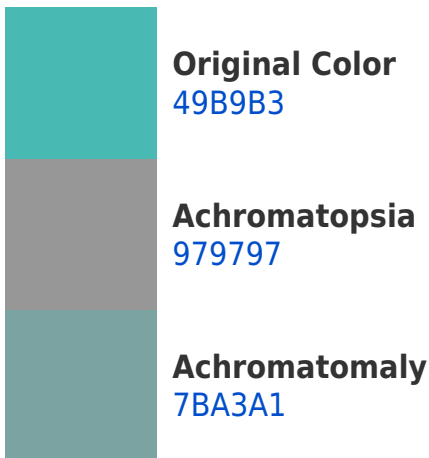


**Tritanopia**  
51B6C5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49B9B3 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 #49B9B3 looks like.

```
.text, #text, p{  
    color:#49B9B3  
}
```

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 #49B9B3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49B9B3
}
```

## Border

The CSS property to change the border of an element to Hex 49B9B3 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
#49B9B3 }
```

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

```
.border{ border-color:#49B9B3 }
```

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

Here you see how a box with a 4 pixel #49B9B3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49B9B3; -webkit-box-shadow:4px 4px  
4px 4px #49B9B3; box-shadow:4px 4px 4px  
4px #49B9B3 }
```

# Background

The CSS property to change the background color of an element to Hex 49B9B3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49B9B3 }
```

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

```
.background{ background-color:#49B9B3 }
```

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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