

# Converting Colors

Hex(4B9A7F)

Have a look what the booklet for  
Hex(4B9A7F) contains.

<b>Hex(4B9A7F)</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(4B9A7F)

# Conversions

## Conversions Part 1

Format	Color
Hex	4B9A7F
RGB	75, 154, 127
RGB Percent	29%, 60%, 50%
CMY	0.7059, 0.3961, 0.5020
CMYK	0.51, 0.00, 0.18, 0.40
HSL	159°, 34%, 45%
HSV	159°, 51%, 60%
XYZ	18.2880, 26.1394, 24.1602
YIQ	127.3010, -38.4170, -25.1450

# Conversions

## Conversions Part 2

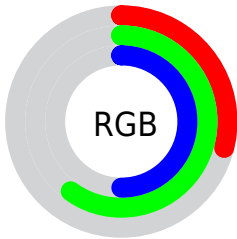
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 123, 154
Decimal	4954751
CIELab	58.17, -31.04, 6.80
CIELCh	58, 31.775, 167.649
Yxy	26.1394, 0.2666, 0.3811
Android (android.graphics.Color)	4283144831 (0xFF4B9A7F)
YUV	127.3010, -0.1484, -45.8680
Hunter-Lab	51.1267, -25.6222, 7.7708

# Details

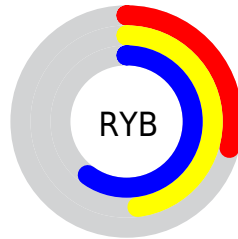
The Hex color **4B9A7F** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9A4B66**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **81D1B4**, and **0D664E** is the 20% darker color. If you saturate the color by 10%, you get **3C9A7A**, and if you desaturate by 10%, it is **5A9A84**.

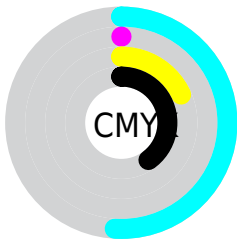
# Distribution



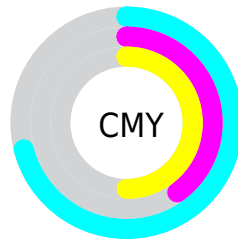
- Red (29%)
- Green (60%)
- Blue (50%)



- Red (29%)
- Yellow (48%)
- Blue (60%)



- Cyan (51%)
- Magenta (0%)
- Yellow (18%)
- Black (40%)



- Cyan (71%)
- Magenta (40%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B9A7F 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 4B9A7F by changing the saturation by 10% instead.





4B9A7F



4B9A7F

FFFFFF



2F8066



81D1B4



0D664E



9DEDCE



004E37



B9FFEB



003622



D5FFFF



00220C



F3FFFF



000000



4B9A7F



4B9A7F



3C9A7A



5A9A84



2C9A74



6A9A8A

■ 1D9A6F

■ 799A8F

■ 0D9A6A

■ 899A94

■ 009A65

■ 989A99

■ A79A9F

■ B79AA4

■ C69AA9

■ D69AAE

# Harmonies

## Analogous

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



6E9665



4B9A7F



269B9C

# Triad

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



4B9A7F



7E89C1



BB7D64

# Complementary

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



4B9A7F



9A4B66

# 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.



C2777C



4B9A7F



A37FB1

# Square

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



4B9A7F



5092C2



BB7899



A88656

# Rectangle

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



4B9A7F



1B99AD



BB7899



BF7A6B



# Sweetspot

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



4B9A7F



ABC9BF



679A4B



546660



E6E6E6



666666



# Same Dimension

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



4B9A7F



4DC99F



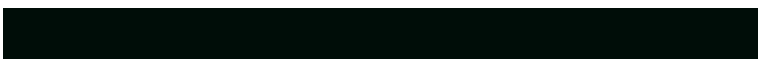
4B8E9A



454D4A



008C5C



000D08



# Inverse Universe

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



9A4B66



C94D77



9A574B



4D4547



8C0030



0D0004



# Previews

## White Background



This preview shows how the Hex color 4B9A7F looks on a white background.

## Color Contrast Check

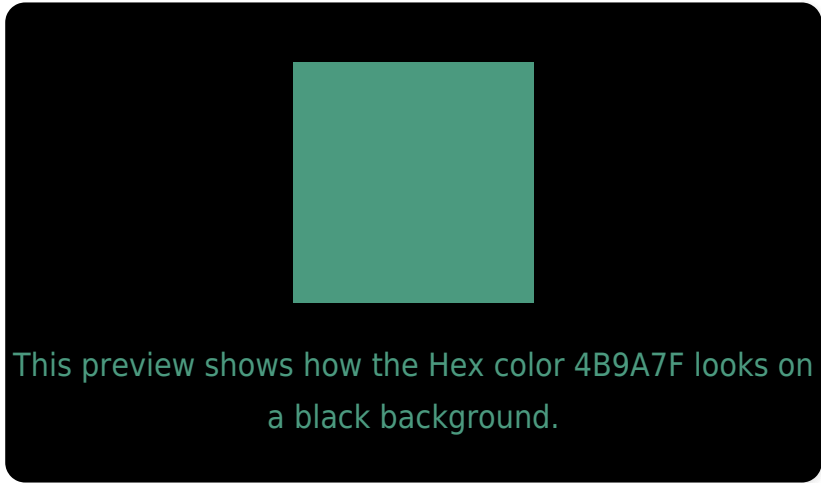
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

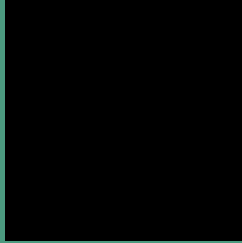
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 4B9A7F Background



This preview shows how black text looks on a background with the Hex color 4B9A7F.

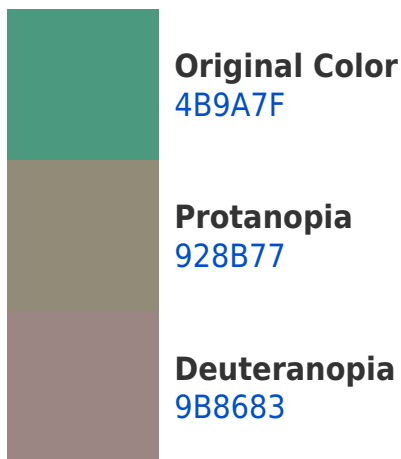


This preview shows how white text looks on a background with the Hex color 4B9A7F.

# 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](#).

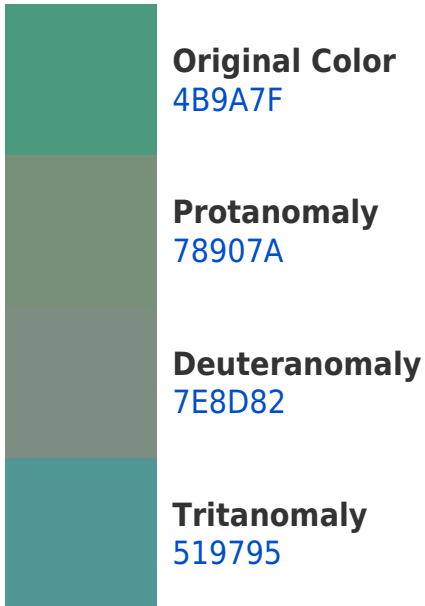
## Dichromacy



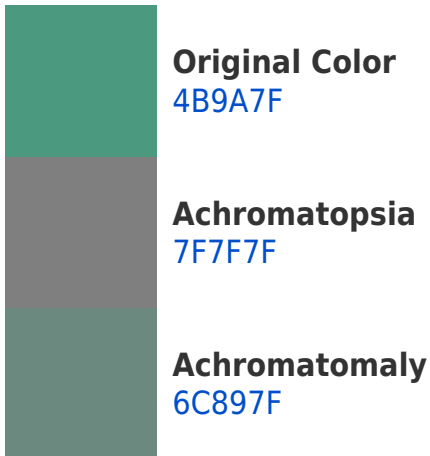


**Tritanopia**  
5595A1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B9A7F 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 #4B9A7F looks like.

```
.text, #text, p{  
    color:#4B9A7F  
}
```

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 #4B9A7F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B9A7F
}
```

## Border

The CSS property to change the border of an element to Hex 4B9A7F 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
#4B9A7F }
```

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

```
.border{ border-color:#4B9A7F }
```

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

Here you see how a box with a 4 pixel #4B9A7F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B9A7F; -webkit-box-shadow:4px 4px  
4px 4px #4B9A7F; box-shadow:4px 4px 4px  
4px #4B9A7F }
```

# Background

The CSS property to change the background color of an element to Hex 4B9A7F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B9A7F }
```

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

```
.background{ background-color:#4B9A7F }
```

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