

# Converting Colors

Hex(49B99E)

Have a look what the booklet for  
Hex(49B99E) contains.

<b>Hex(49B99E)</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(49B99E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49B99E
RGB	73, 185, 158
RGB Percent	29%, 73%, 62%
CMY	0.7137, 0.2745, 0.3804
CMYK	0.61, 0.00, 0.15, 0.27
HSL	166°, 44%, 51%
HSV	166°, 61%, 73%
XYZ	26.2682, 38.5830, 38.4105
YIQ	148.4340, -58.0850, -32.1410

# Conversions

## Conversions Part 2

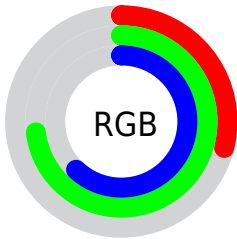
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 137, 185
Decimal	4831646
CIELab	68.45, -38.31, 4.28
CIElCh	68, 38.552, 173.621
Yxy	38.5830, 0.2544, 0.3736
Android (android.graphics.Color)	4283021726 (0xFF49B99E)
YUV	148.4340, 4.7160, -66.1556
Hunter-Lab	62.1152, -33.2150, 6.8172

# Details

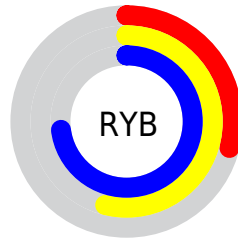
The Hex color **49B99E** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **B94964**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **84F2D5**, and **00836B** is the 20% darker color. If you saturate the color by 10%, you get **36B99A**, and if you desaturate by 10%, it is **5BB9A2**.

# Distribution



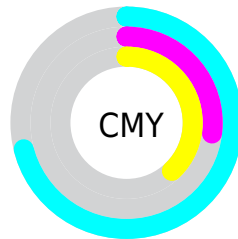
- Red (29%)
- Green (73%)
- Blue (62%)



- Red (29%)
- Yellow (54%)
- Blue (73%)



- Cyan (61%)
- Magenta (0%)
- Yellow (15%)
- Black (27%)



- Cyan (71%)
- Magenta (27%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49B99E 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 49B99E by changing the saturation by 10% instead.





49B99E



49B99E

FFFFFF



279E84



84F2D5



00836B



A1FFF1



006953



BEFFFF



00503C



DCFFFF



003826



FAFFFF



002411



000000



49B99E



49B99E




36B99A



5BB9A2

 24B995

 6EB9A7

 11B991

 81B9AB

 00B98C

 93B9B0

 A5B9B4

 B8B9B9

 CBB9BD

 DDB9C2

 EFB9C6

# Harmonies

## Analogous

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



79B57C



49B99E



00B9C2

# Triad

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



49B99E



A0A1E7



DE9670

# Complementary

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



49B99E



B94964

# 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.



EA8D8D



49B99E



CC94D1

# Square

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



49B99E



66ADEC



E58CB0



C4A261

# Rectangle

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



49B99E



00B7D6



E58CB0



E49378



# Sweetspot

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



49B99E



C5F0E5



65B949



5D7871



F7F7F7



787878



# Same Dimension

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



49B99E



41F0C6



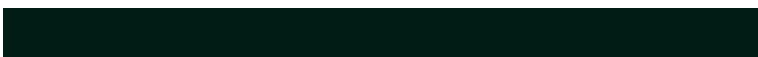
499DB9



535C5A



009C76



001C15



# Inverse Universe

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



B94964



F0416B



B96549



5C5355



9C0025

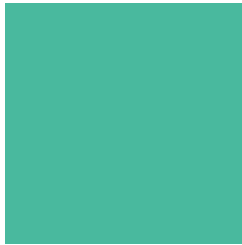


1C0007



# Previews

## White Background



This preview shows how the Hex color 49B99E 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 49B99E looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

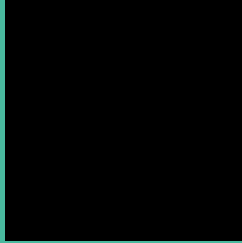
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 49B99E Background



This preview shows how black text looks on a background with the Hex color 49B99E.

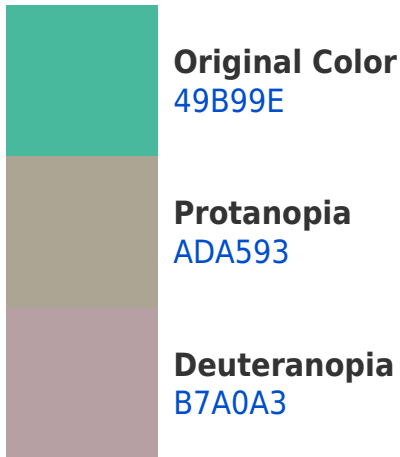


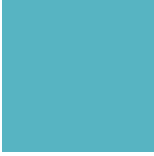
This preview shows how white text looks on a background with the Hex color 49B99E.

# 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](#).

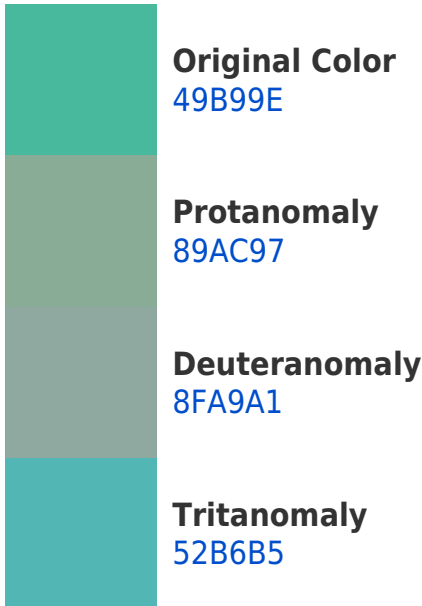
## Dichromacy





**Tritanopia**  
57B4C2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49B99E 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 #49B99E looks like.

```
.text, #text, p{  
    color:#49B99E  
}
```

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 #49B99E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49B99E
}
```

## Border

The CSS property to change the border of an element to Hex 49B99E 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
#49B99E }
```

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

```
.border{ border-color:#49B99E }
```

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

Here you see how a box with a 4 pixel #49B99E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49B99E; -webkit-box-shadow:4px 4px  
4px 4px #49B99E; box-shadow:4px 4px 4px  
4px #49B99E }
```

# Background

The CSS property to change the background color of an element to Hex 49B99E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49B99E }
```

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

```
.background{ background-color:#49B99E }
```

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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