

Converting Colors

Hex(49BB9F)

Have a look what the booklet for
Hex(49BB9F) contains.

Hex(49BB9F)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(49BB9F)

Conversions

Conversions Part 1

Format	Color
Hex	49BB9F
RGB	73, 187, 159
RGB Percent	29%, 73%, 62%
CMY	0.7137, 0.2667, 0.3765
CMYK	0.61, 0.00, 0.15, 0.27
HSL	165°, 46%, 51%
HSV	165°, 61%, 73%
XYZ	26.7760, 39.4603, 39.0062
YIQ	149.7220, -58.9560, -32.8760

Conversions

Conversions Part 2

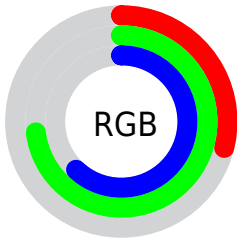
Format	Color
RYB	73, 138, 187
Decimal	4832159
CIELab	69.08, -38.97, 4.65
CIElCh	69, 39.243, 173.192
Yxy	39.4603, 0.2544, 0.3749
Android (android.graphics.Color)	4283022239 (0xFF49BB9F)
YUV	149.7220, 4.5741, -67.2852
Hunter-Lab	62.8174, -33.8448, 7.1563

Details

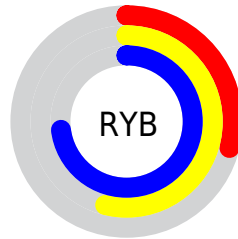
The Hex color **49BB9F** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **BB4965**, and the grayscale version is **969696**.

A 20% lighter version of the original color is **84F4D6**, and **00856C** is the 20% darker color. If you saturate the color by 10%, you get **36BB9A**, and if you desaturate by 10%, it is **5CBBA4**.

Distribution



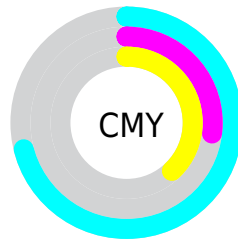
- Red (29%)
- Green (73%)
- Blue (62%)



- 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 49BB9F 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 49BB9F by changing the saturation by 10% instead.



49BB9F



49BB9F

FFFFFF



26A085



84F4D6



00856C



A1FFF2



006B53



BFFFFFF



00523C



DCFFFF



003A27



FAFFFF



002612



000000



49BB9F



49BB9F



36BB9A



5CBBA4

 24BB96

 6EBBA8

 11BB91

 81BBAD

 00BB8D

 94BBB1

 A7BBB6

 B9BBBB

 CCBBBF

 DFBBC4

 F1BBC8

Harmonies

Analogous

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



7AB77D



49BB9F



00BBC3

Triad

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



49BB9F



A1A2EA



E19771

Complementary

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



49BB9F



BB4965

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.



ED8E8E



49BB9F



CE96D4

Square

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



49BB9F



65AFEF



E88DB2



C7A462

Rectangle

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



49BB9F



00B9D8



E88DB2



E7947A

Sweetspot

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



49BB9F



C7F2E8



65BB49



5F7A74



FAFAFA



7A7A7A

Same Dimension

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



49BB9F



41F2C7



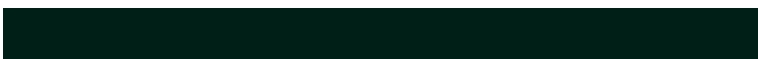
499FBB



555E5C



009E77



001F17

Inverse Universe

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



BB4965



F2416D



BB6549



5E5557



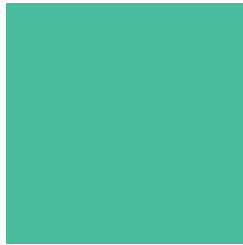
9E0027



1F0008

Previews

White Background



This preview shows how the Hex color 49BB9F looks on a white background.

Color Contrast Check

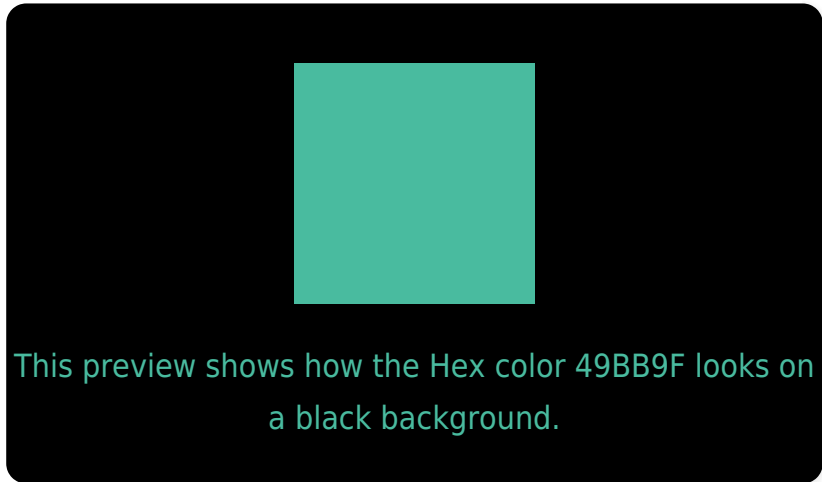
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

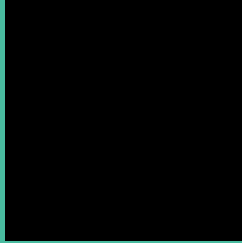
Any Text WCAG AA ✓ Pass

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 49BB9F Background



This preview shows how black text looks on a background with the Hex color 49BB9F.

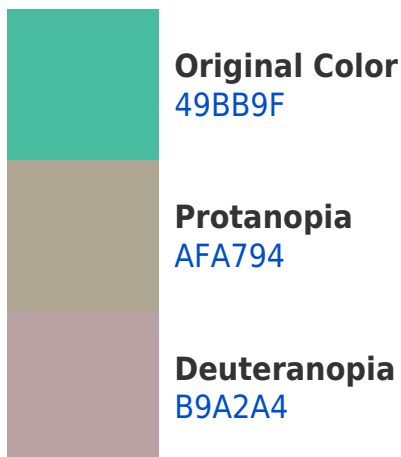


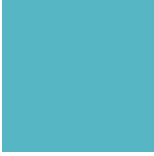
This preview shows how white text looks on a background with the Hex color 49BB9F.

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
57B6C4

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 49BB9F 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 #49BB9F looks like.

```
.text, #text, p{  
    color:#49BB9F  
}
```

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 #49BB9F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49BB9F
}
```

Border

The CSS property to change the border of an element to Hex 49BB9F 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
#49BB9F }
```

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

```
.border{ border-color:#49BB9F }
```

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

Here you see how a box with a 4 pixel #49BB9F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49BB9F; -webkit-box-shadow:4px 4px  
4px 4px #49BB9F; box-shadow:4px 4px 4px  
4px #49BB9F }
```

Background

The CSS property to change the background color of an element to Hex 49BB9F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49BB9F }
```

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

```
.background{ background-color:#49BB9F }
```

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