

# Converting Colors

Hex(49B779)

Have a look what the booklet for  
Hex(49B779) contains.

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**Color**

**Hex(49B779)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49B779
RGB	73, 183, 121
RGB Percent	29%, 72%, 47%
CMY	0.7137, 0.2824, 0.5255
CMYK	0.60, 0.00, 0.34, 0.28
HSL	146°, 43%, 50%
HSV	146°, 60%, 72%
XYZ	23.1323, 36.6639, 23.9468
YIQ	143.0420, -45.6580, -42.6020

# Conversions

## Conversions Part 2

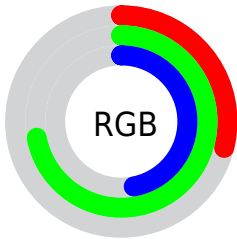
Format	Color
<a href="#">RYB</a>	<a href="#">73, 150, 183</a>
Decimal	<a href="#">4831097</a>
CIELab	<a href="#">67.02, -45.69, 22.42</a>
CIELCh	<a href="#">67, 50.893, 153.861</a>
Yxy	<a href="#">36.6639, 0.2762, 0.4378</a>
Android (android.graphics.Color)	<a href="#">4283021177 (0xFF49B779)</a>
YUV	<a href="#">143.0420, -10.8667, -61.4268</a>
Hunter-Lab	<a href="#">60.5507, -37.7710, 18.9373</a>

# Details

The Hex color **49B779** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **B74987**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **83F0AE**, and **008148** is the 20% darker color. If you saturate the color by 10%, you get **37B76F**, and if you desaturate by 10%, it is **5BB783**.

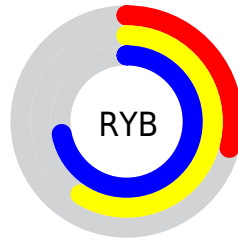
# Distribution



Red (29%)

Green (72%)

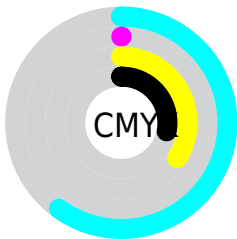
Blue (47%)



Red (29%)

Yellow (59%)

Blue (72%)

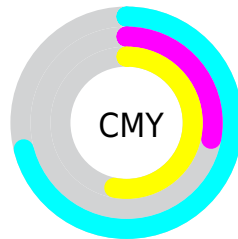


Cyan (60%)

Magenta (0%)

Yellow (34%)

Black (28%)



Cyan (71%)

Magenta (28%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49B779 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 49B779 by changing the saturation by 10% instead.



 49B779

 49B779


FFFFFF

 289C60

 83F0AE

 008148

 A0FFC9

 006731

 BDFFE5

 004E1B

 DAFFFF

 003603

 F8FFFF

 002000

 000000

 49B779

 49B779

 37B76F

 5BB783

 24B764

 6EB78E

 12B75A

 80B798

 00B750

 92B7A2

 A5B7AD

 B7B7B7

 C9B7C1

 DBB7CC

 EEB7D6

# Harmonies

## Analogous

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



89AF54



49B779



00BAA8

# Triad

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



49B779



5BA6FE



F58273

# Complementary

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



49B779



B74987

# 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.



F77C9F



49B779



AE95EF

# Square

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



49B779



00B2F5



E084CC



DE9251

# Rectangle

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



49B779



00BAC7



E084CC



F87F81



# Sweetspot

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



49B779



C2EDD5



87B749



5D7869



F7F7F7



787878



# Same Dimension

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



49B779



42ED8D



49B7B0



535C57



009C44



001C0C



# Inverse Universe

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



B74987



ED42A3



B74950



5C5358



9C0058



1C0010



# Previews

## White Background



This preview shows how the Hex color 49B779 looks on a white background.

## Color Contrast Check

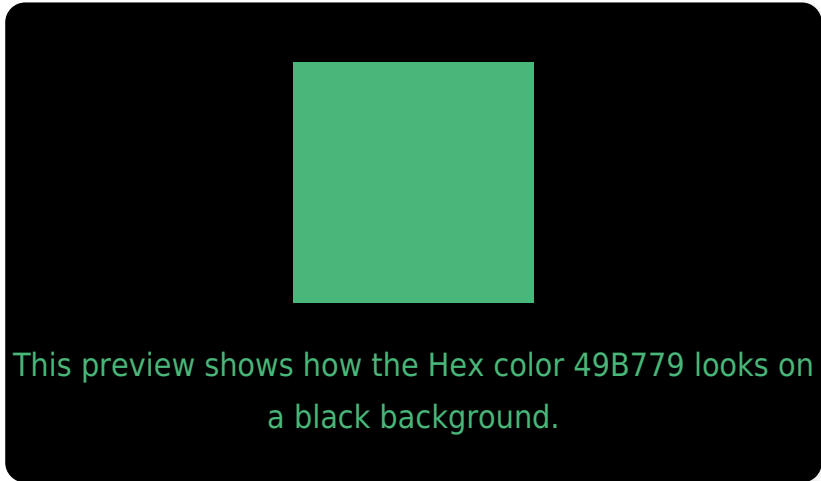
Large Text (above 18pt) WCAG AA × Fail

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 49B779 Background



This preview shows how black text looks on a background with the Hex color 49B779.

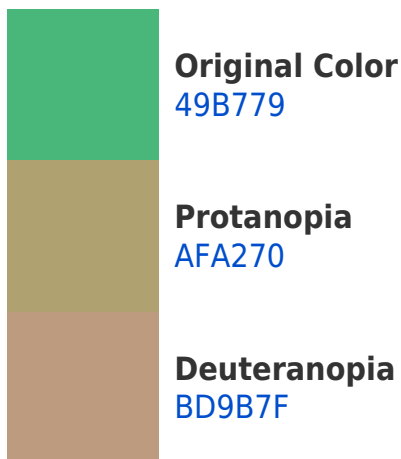


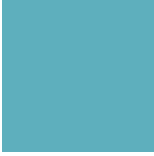
This preview shows how white text looks on a background with the Hex color 49B779.

# 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



**Original Color**  
49B779



**Protanomaly**  
8AAA73



**Deuteranomaly**  
93A57D



**Tritanomaly**  
56B2A4

# Monochromacy



**Original Color**  
49B779



**Achromatopsia**  
8F8F8F



**Achromatomaly**  
769E87

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49B779 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 #49B779 looks like.

```
.text, #text, p{  
    color:#49B779  
}
```

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 #49B779 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49B779
}
```

## Border

The CSS property to change the border of an element to Hex 49B779 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
#49B779 }
```

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

```
.border{ border-color:#49B779 }
```

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

Here you see how a box with a 4 pixel #49B779 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49B779; -webkit-box-shadow:4px 4px  
4px 4px #49B779; box-shadow:4px 4px 4px  
4px #49B779 }
```

# Background

The CSS property to change the background color of an element to Hex 49B779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49B779 }
```

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

```
.background{ background-color:#49B779 }
```

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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