

# Converting Colors

Hex(49B864)

Have a look what the booklet for  
Hex(49B864) contains.

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# Color

Hex(49B864)

# Conversions

## Conversions Part 1

Format	Color
Hex	49B864
RGB	73, 184, 100
RGB Percent	29%, 72%, 39%
CMY	0.7137, 0.2784, 0.6078
CMYK	0.60, 0.00, 0.46, 0.28
HSL	135°, 44%, 50%
HSV	135°, 60%, 72%
XYZ	22.1884, 36.6175, 17.9550
YIQ	141.2350, -39.1920, -49.6560

# Conversions

## Conversions Part 2

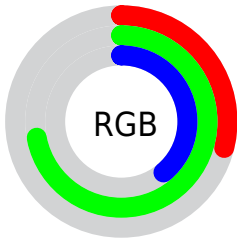
Format	Color
<a href="#">RYB</a>	<a href="#">73, 162, 184</a>
Decimal	<a href="#">4831332</a>
CIELab	<a href="#">66.99, -49.84, 33.41</a>
CIELCh	<a href="#">67, 60.005, 146.166</a>
Yxy	<a href="#">36.6175, 0.2891, 0.4770</a>
Android (android.graphics.Color)	<a href="#">4283021412 (0xFF49B864)</a>
YUV	<a href="#">141.2350, -20.3289, -59.8421</a>
Hunter-Lab	<a href="#">60.5124, -40.4453, 24.7664</a>

# Details

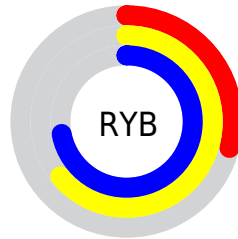
The Hex color **49B864** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **B8499D**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **84F198**, and **008233** is the 20% darker color. If you saturate the color by 10%, you get **37B856**, and if you desaturate by 10%, it is **5BB872**.

# Distribution



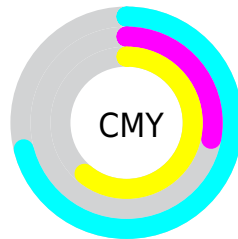
- Red (29%)
- Green (72%)
- Blue (39%)



- Red (29%)
- Yellow (64%)
- Blue (72%)



- Cyan (60%)
- Magenta (0%)
- Yellow (46%)
- Black (28%)



- Cyan (71%)
- Magenta (28%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49B864 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 49B864 by changing the saturation by 10% instead.



 49B864

 49B864

FFFFFF

 289D4B

 84F198

 008233

 A0FFB3

 00681B

 BDFFCF

 004F01

 DBFFEB

 003700

 F9FFFF

 002000

 000000

 49B864

 49B864

 37B856

 5BB872

 24B848

 6EB880

 12B83A

 80B88E

 00B82D

 93B89C

 A5B8AA

 B7B8B8

 CAB8C5

 DCB8D3

 EFB8E1

# Harmonies

## Analogous

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



91AE3A



49B864



00BD9A

# Triad

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



49B864



00ABFF



FF7677

# Complementary

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



49B864



B8499D

# 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.



FF72AC



49B864



9898FF

# Square

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



49B864



00B7FC



DE81E0



EE8949

# Rectangle

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



49B864



00BDBF



DE81E0



FF7388

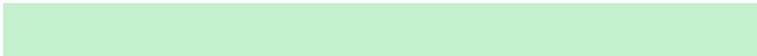


# Sweetspot

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



49B864



C5F0CF



9EB849



5D7864



F7F7F7



787878



# Same Dimension

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



49B864



43F06D



49B89A



535C55



009C26



001C07



# Inverse Universe

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



B8499D



F043C6



B84967



5C535A



9C0076



1C0015



# Previews

## White Background



This preview shows how the Hex color 49B864 looks on a white background.

## Color Contrast Check

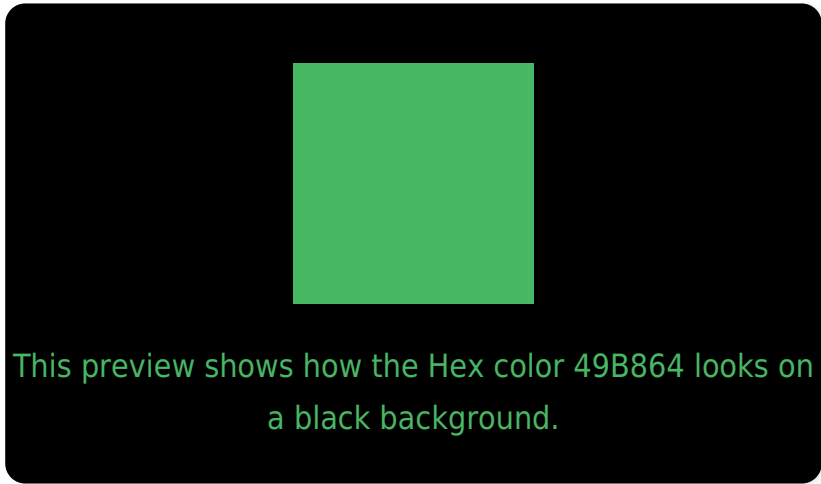
Large Text (above 18pt) WCAG AA × Fail

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

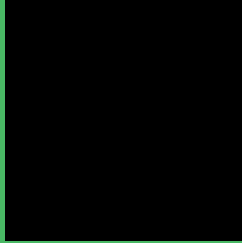
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 49B864 Background



This preview shows how black text looks on a background with the Hex color 49B864.



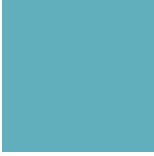
This preview shows how white text looks on a background with the Hex color 49B864.

# 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**  
61AEB3

# Trichromacy



**Original Color**  
49B864



**Protanomaly**  
8CAA5F



**Deuteranomaly**  
96A668



**Tritanomaly**  
58B29C

# Monochromacy



**Original Color**  
49B864



**Achromatopsia**  
8D8D8D



**Achromatomaly**  
749D7E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49B864 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 #49B864 looks like.

```
.text, #text, p{  
    color:#49B864  
}
```

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 #49B864 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49B864
}
```

## Border

The CSS property to change the border of an element to Hex 49B864 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
#49B864 }
```

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

```
.border{ border-color:#49B864 }
```

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

Here you see how a box with a 4 pixel #49B864 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49B864; -webkit-box-shadow:4px 4px  
4px 4px #49B864; box-shadow:4px 4px 4px  
4px #49B864 }
```

# Background

The CSS property to change the background color of an element to Hex 49B864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49B864 }
```

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

```
.background{ background-color:#49B864 }
```

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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