

# Converting Colors

Hex(48B368)

Have a look what the booklet for  
Hex(48B368) contains.

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**Color**

**Hex(48B368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48B368
RGB	72, 179, 104
RGB Percent	28%, 70%, 41%
CMY	0.7176, 0.2980, 0.5922
CMYK	0.60, 0.00, 0.42, 0.30
HSL	138°, 43%, 49%
HSV	138°, 60%, 70%
XYZ	21.2913, 34.6174, 18.6564
YIQ	138.4570, -39.6970, -46.0090

# Conversions

## Conversions Part 2

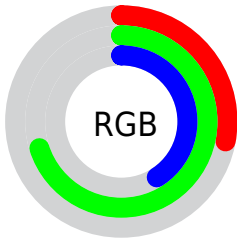
Format	Color
<a href="#">RYB</a>	<a href="#">72, 154, 179</a>
Decimal	<a href="#">4764520</a>
CIELab	<a href="#">65.45, -47.41, 29.35</a>
CIELCh	<a href="#">65, 55.761, 148.245</a>
Yxy	<a href="#">34.6174, 0.2855, 0.4643</a>
Android (android.graphics.Color)	<a href="#">4282954600 (0xFF48B368)</a>
YUV	<a href="#">138.4570, -16.9873, -58.2828</a>
Hunter-Lab	<a href="#">58.8365, -38.3699, 22.3854</a>

# Details

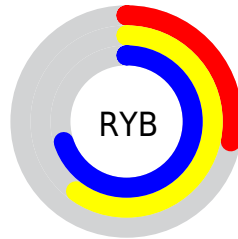
The Hex color **48B368** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **B34893**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **82EC9C**, and **007D37** is the 20% darker color. If you saturate the color by 10%, you get **36B35B**, and if you desaturate by 10%, it is **5AB375**.

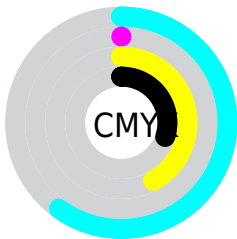
# Distribution



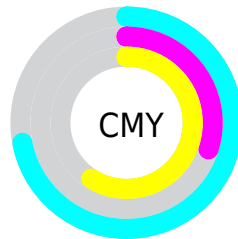
- Red (28%)
- Green (70%)
- Blue (41%)



- Red (28%)
- Yellow (60%)
- Blue (70%)



- Cyan (60%)
- Magenta (0%)
- Yellow (42%)
- Black (30%)



- Cyan (72%)
- Magenta (30%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 48B368 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 48B368 by changing the saturation by 10% instead.





48B368



48B368

FFFFFF



27984F



82EC9C



007D37



9EFFB7



006320



BBFFD3



004A08



D9FFEF



003300



F6FFFF



001C00



000000



48B368



48B368



36B35B



5AB375

 24B34F

 6CB381

 12B342

 7EB38E

 00B336

 90B39A

 A2B3A7

 B3B3B3

 C5B3C0

 D7B3CC

 E9B3D9

# Harmonies

## Analogous

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



8BAA41



48B368



00B79A

# Triad

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



48B368



13A5FF



F97773

# Complementary

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



48B368



B34893

# 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.



F772A4



48B368



9C93F7

# Square

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



48B368



00B1F3



D97FD4



E3894A

# Rectangle

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



48B368



00B7BD



D97FD4



FB7482



# Sweetspot

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



48B368



BEE8CB



95B348



5B7563



F5F5F5



757575



# Same Dimension

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



48B368



41E873



48B39C



505953



00992E



001A08



# Inverse Universe

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



B34893



E841B6



B3485F



595057



99006B



1A0012



# Previews

## White Background



This preview shows how the Hex color 48B368 looks on a white background.

## Color Contrast Check

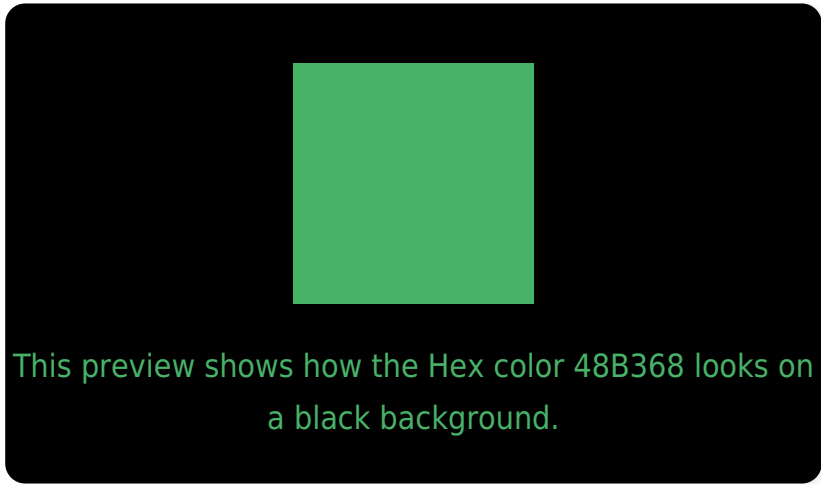
Large Text (above 18pt) WCAG AA × Fail

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 48B368 Background



This preview shows how black text looks on a background with the Hex color 48B368.

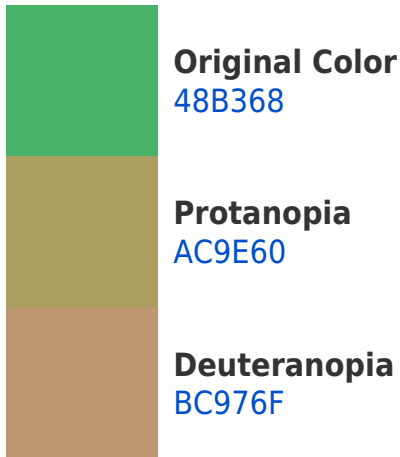


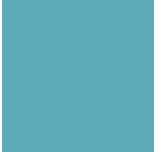
This preview shows how white text looks on a background with the Hex color 48B368.

# 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](#).

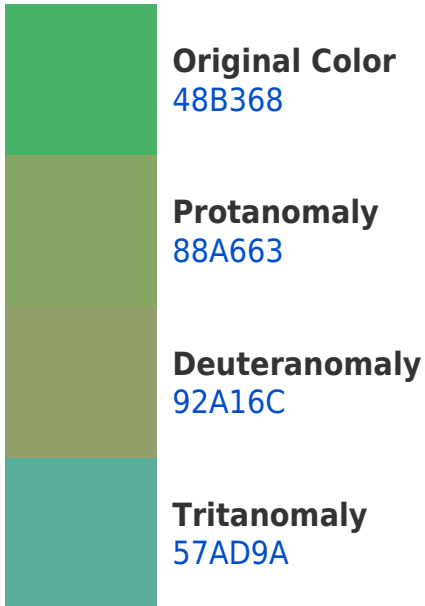
## Dichromacy



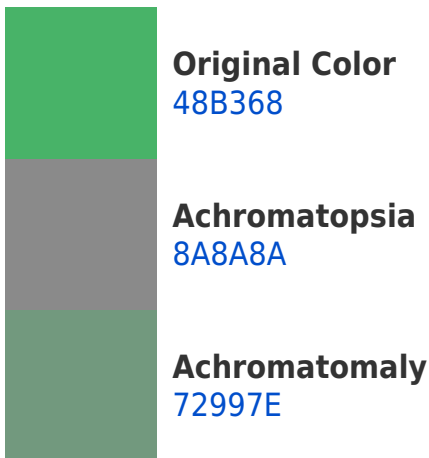


**Tritanopia**  
5FAAB7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 48B368 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 #48B368 looks like.

```
.text, #text, p{  
    color:#48B368  
}
```

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 #48B368 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #48B368
}
```

## Border

The CSS property to change the border of an element to Hex 48B368 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
#48B368 }
```

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

```
.border{ border-color:#48B368 }
```

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

Here you see how a box with a 4 pixel #48B368 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #48B368; -webkit-box-shadow:4px 4px  
4px 4px #48B368; box-shadow:4px 4px 4px  
4px #48B368 }
```

# Background

The CSS property to change the background color of an element to Hex 48B368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#48B368 }
```

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

```
.background{ background-color:#48B368 }
```

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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