

# Converting Colors

Hex(48B248)

Have a look what the booklet for  
Hex(48B248) contains.

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# **Color**

**Hex(48B248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48B248
RGB	72, 178, 72
RGB Percent	28%, 70%, 28%
CMY	0.7176, 0.3020, 0.7176
CMYK	0.60, 0.00, 0.60, 0.30
HSL	120°, 42%, 49%
HSV	120°, 60%, 70%
XYZ	19.7626, 33.6864, 11.5914
YIQ	134.2220, -29.1500, -55.4380

# Conversions

## Conversions Part 2

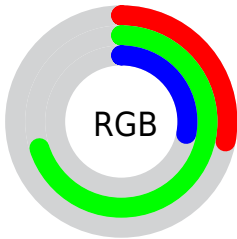
Format	Color
<a href="#">RYB</a>	<a href="#">72, 178, 178</a>
Decimal	<a href="#">4764232</a>
CIELab	<a href="#">64.71, -51.69, 44.37</a>
CIELCh	<a href="#">65, 68.120, 139.355</a>
Yxy	<a href="#">33.6864, 0.3039, 0.5179</a>
Android (android.graphics.Color)	<a href="#">4282954312 (0xFF48B248)</a>
YUV	<a href="#">134.2220, -30.6754, -54.5687</a>
Hunter-Lab	<a href="#">58.0400, -40.7908, 28.7869</a>

# Details

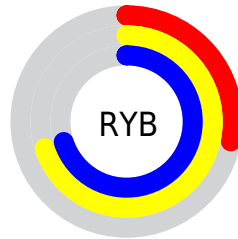
The Hex color **48B248** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **B248B2**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **83EB7C**, and **007C12** is the 20% darker color. If you saturate the color by 10%, you get **36B236**, and if you desaturate by 10%, it is **5AB25A**.

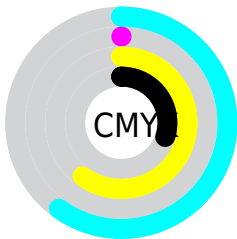
# Distribution



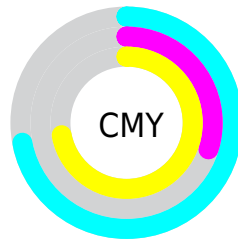
- Red (28%)
- Green (70%)
- Blue (28%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 48B248 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 48B248 by changing the saturation by 10% instead.



 48B248

 48B248

FFFFFF

 26972E

 83EB7C

 007C12

 9FFF97

 006200

 BCFFB2

 004900

 DAFFCE

 003200

 F8FFEB

 001900

 000000

 48B248

 48B248

 36B236

 5AB25A

 24B224

 6CB26C

 13B213

 7DB27D

 01B201

 8FB28F

 00B200

 A1B2A1

 B3B2B3

 C5B2C5

 D6B2D6

 E8B2E8

# Harmonies

## Analogous

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



95A613



48B248



00B884

# Triad

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



48B248



00AAFF



FF6378

# Complementary

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



48B248



B248B2

# 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.



FF63B5



48B248



7196FF

# Square

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



48B248



00B6F9



D17BED



F67941

# Rectangle

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



48B248



00BAAF



D17BED



FF608C



# Sweetspot

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



48B248



BEE8BE



B2B248



5B755B



F5F5F5



757575



# Same Dimension

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



48B248



43E843



48B27D



505950



009900



001A00



# Inverse Universe

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



B248B2



E843E8



B2487D



595059



990099



1A001A



# Previews

## White Background



This preview shows how the Hex color 48B248 looks on a white background.

## Color Contrast Check

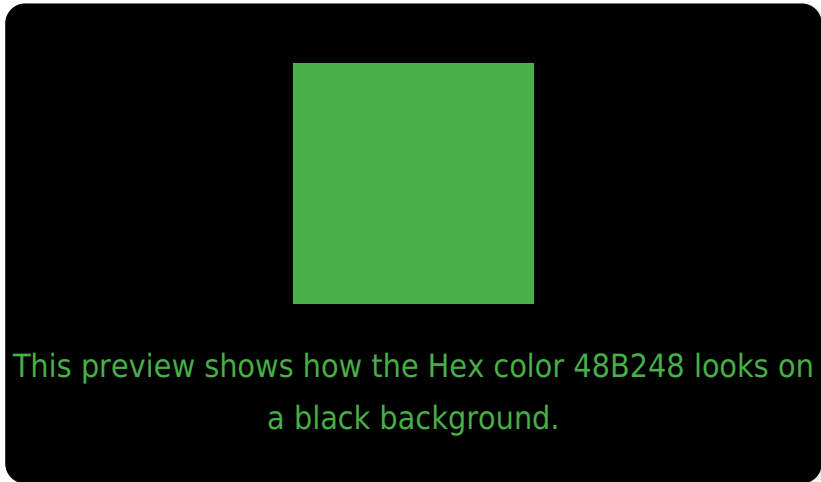
Large Text (above 18pt) WCAG AA × Fail

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

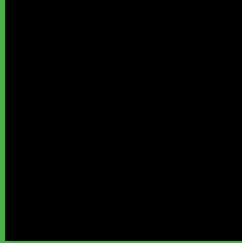
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 48B248 Background



This preview shows how black text looks on a background with the Hex color 48B248.

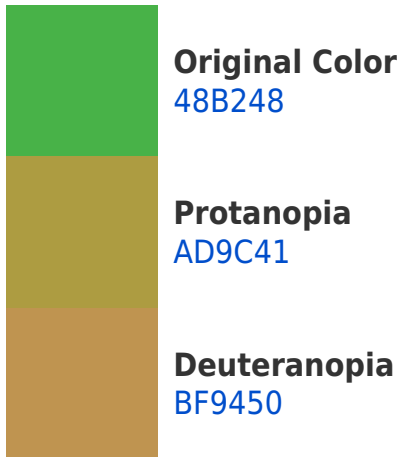


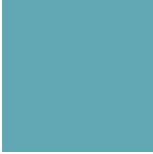
This preview shows how white text looks on a background with the Hex color 48B248.

# 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](#).

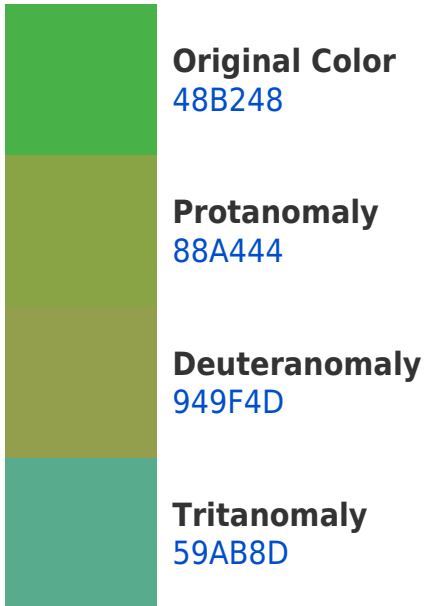
## Dichromacy





**Tritanopia**  
62A7B4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 48B248 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 #48B248 looks like.

```
.text, #text, p{  
    color:#48B248  
}
```

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 #48B248 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #48B248
}
```

## Border

The CSS property to change the border of an element to Hex 48B248 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
#48B248 }
```

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

```
.border{ border-color:#48B248 }
```

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

Here you see how a box with a 4 pixel #48B248 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #48B248; -webkit-box-shadow:4px 4px  
4px 4px #48B248; box-shadow:4px 4px 4px  
4px #48B248 }
```

# Background

The CSS property to change the background color of an element to Hex 48B248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#48B248 }
```

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

```
.background{ background-color:#48B248 }
```

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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