

# Converting Colors

Hex(48B210)

Have a look what the booklet for  
Hex(48B210) contains.

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**Color**

**Hex(48B210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48B210
RGB	72, 178, 16
RGB Percent	28%, 70%, 6%
CMY	0.7176, 0.3020, 0.9373
CMYK	0.60, 0.00, 0.91, 0.30
HSL	99°, 84%, 38%
HSV	99°, 91%, 70%
XYZ	18.6864, 33.2559, 5.9244
YIQ	127.8380, -11.1740, -72.8540

# Conversions

## Conversions Part 2

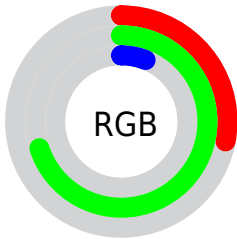
Format	Color
<a href="#">RYB</a>	<a href="#">16, 178, 122</a>
Decimal	<a href="#">4764176</a>
CIELab	<a href="#">64.37, -55.68, 62.78</a>
CIELCh	<a href="#">64, 83.910, 131.569</a>
Yxy	<a href="#">33.2559, 0.3229, 0.5747</a>
Android (android.graphics.Color)	<a href="#">4282954256</a> ( <a href="#">0xFF48B210</a> )
YUV	<a href="#">127.8380, -55.1361, -48.9699</a>
Hunter-Lab	<a href="#">57.6679, -43.0787, 34.2766</a>

# Details

The Hex color **48B210** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7A10B2**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **85EB52**, and **007C00** is the 20% darker color. If you saturate the color by 10%, you get **3EB200**, and if you desaturate by 10%, it is **54B222**.

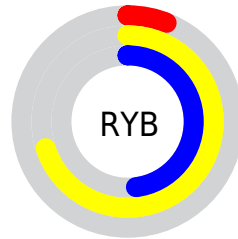
# Distribution



Red (28%)

Green (70%)

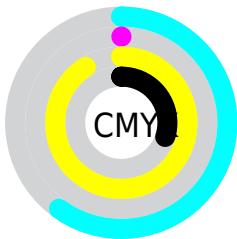
Blue (6%)



Red (6%)

Yellow (70%)

Blue (48%)

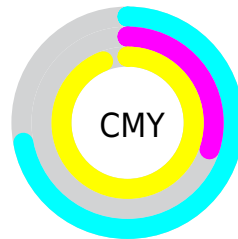


Cyan (60%)

Magenta (0%)

Yellow (91%)

Black (30%)



Cyan (72%)

Magenta (30%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 48B210 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 48B210 by changing the saturation by 10% instead.



 48B210

 48B210

FFFFFF

 249700

 85EB52

 007C00

 A2FF6D

 006200

 C0FF89

 004900

 DDFFA5

 003200

 FCFFC2

 001800

 FFFFDF

 000000

 FFFFFC

 48B210

 48B210

 3EB200

 54B222

 5FB234

 6BB245

 77B257

 82B269

 8EB27B

 9AB28D

 A5B29E

 B1B2B0

# Harmonies

## Analogous

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



A1A200



48B210



00BA69

# Triad

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



48B210



00B1FF



FF4282

# Complementary

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



48B210



7A10B2

# 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.



FF50CD



48B210



009CFF

# Square

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



48B210



00BBFF



C279FF



FF623B

# Rectangle

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



48B210



00BD9E



C279FF



FF409B



# Sweetspot

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



48B210



BFE8A9



B27910



5D7550



F5F5F5



757575



# Same Dimension

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



48B210



50E800



10B228



535950



359900



091A00



# Inverse Universe

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



7A10B2



9800E8



B2109A



565059



640099

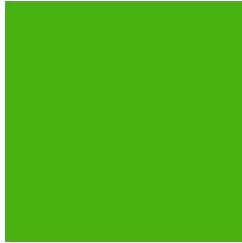


11001A



# Previews

## White Background



This preview shows how the Hex color 48B210 looks on a white background.

## Color Contrast Check

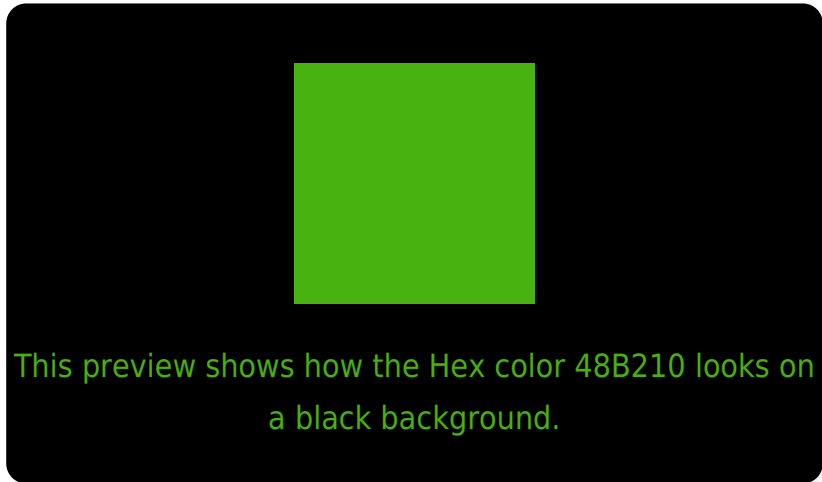
Large Text (above 18pt) WCAG AA × Fail

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 48B210 Background



This preview shows how black text looks on a background with the Hex color 48B210.

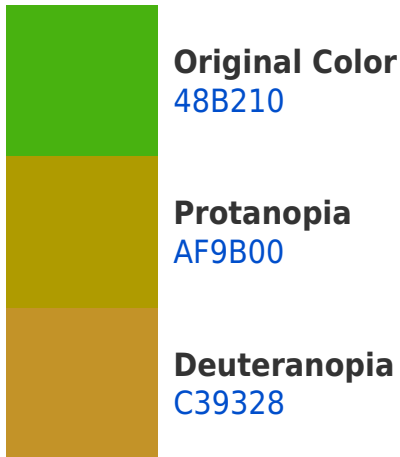


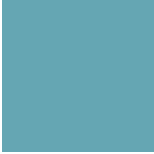
This preview shows how white text looks on a background with the Hex color 48B210.

# 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](#).

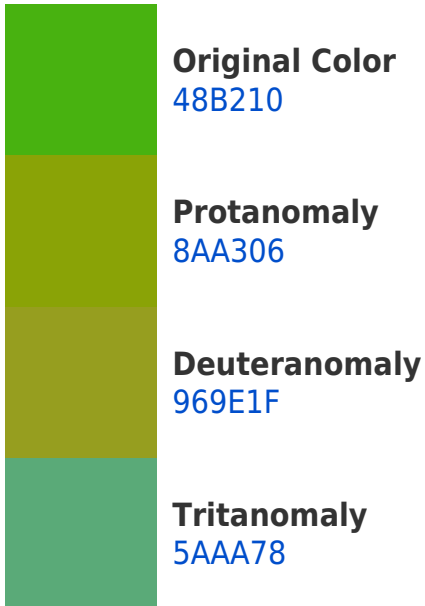
## Dichromacy



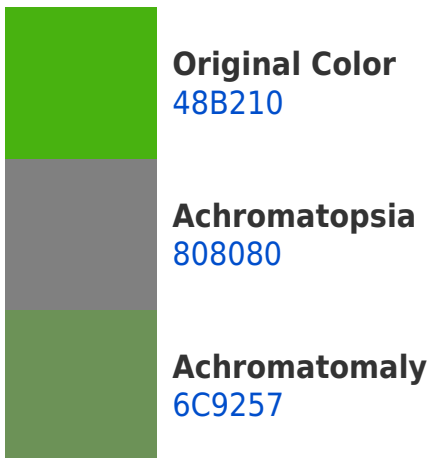


**Tritanopia**  
65A6B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 48B210 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 #48B210 looks like.

```
.text, #text, p{  
    color:#48B210  
}
```

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 #48B210 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #48B210
}
```

## Border

The CSS property to change the border of an element to Hex 48B210 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
#48B210 }
```

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

```
.border{ border-color:#48B210 }
```

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

Here you see how a box with a 4 pixel #48B210 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #48B210; -webkit-box-shadow:4px 4px  
4px 4px #48B210; box-shadow:4px 4px 4px  
4px #48B210 }
```

# Background

The CSS property to change the background color of an element to Hex 48B210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#48B210 }
```

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

```
.background{ background-color:#48B210 }
```

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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