

# Converting Colors

Hex(48AA00)

Have a look what the booklet for  
Hex(48AA00) contains.

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# Color

Hex(48AA00)

# Conversions

## Conversions Part 1

Format	Color
Hex	48AA00
RGB	72, 170, 0
RGB Percent	28%, 67%, 0%
CMY	0.7176, 0.3333, 1.0000
CMYK	0.58, 0.00, 1.00, 0.33
HSL	95°, 100%, 33%
HSV	95°, 100%, 67%
XYZ	17.0472, 30.1272, 4.9166
YIQ	121.3180, -3.8380, -73.6460

# Conversions

## Conversions Part 2

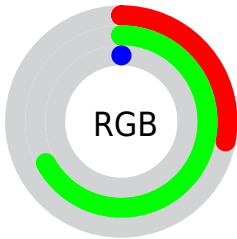
Format	Color
<a href="#">RYB</a>	<a href="#">0, 170, 98</a>
Decimal	<a href="#">4762112</a>
CIELab	<a href="#">61.76, -53.22, 62.86</a>
CIELCh	<a href="#">62, 82.357, 130.252</a>
Yxy	<a href="#">30.1272, 0.3273, 0.5784</a>
Android (android.graphics.Color)	<a href="#">4282952192 (0xFF48AA00)</a>
YUV	<a href="#">121.3180, -59.8098, -43.2519</a>
Hunter-Lab	<a href="#">54.8882, -40.6158, 33.1108</a>

# Details

The Hex color **48AA00** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6200AA**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **84E24A**, and **007500** is the 20% darker color. If you saturate the color by 10%, you get **48AA00**, and if you desaturate by 10%, it is **52AA11**.

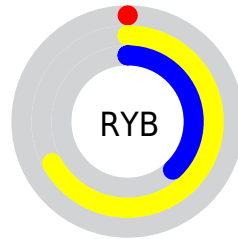
# Distribution



Red (28%)

Green (67%)

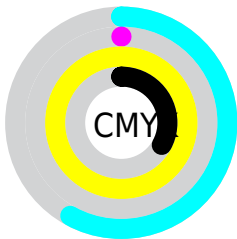
Blue (0%)



Red (0%)

Yellow (67%)

Blue (38%)

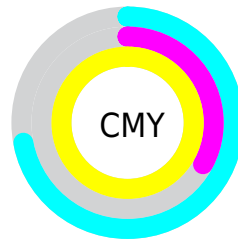


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (72%)

Magenta (33%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 48AA00 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 48AA00 by changing the saturation by 10% instead.



 48AA00

 48AA00

FFFFFF

 258F00

 84E24A

 007500

 A1FF66

 005B00

 BEFF82

 004200

 DCFF9E

 002D00

 FAFFBA

 000C00

 FFFFD7

 000000

 FFFFF4

 48AA00

 52AA11

 5CAA22

 65AA33

 6FAA44

 79AA55

 83AA66

 8DAA77

 96AA88

 A0AA99

# Harmonies

## Analogous

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



9D9A00



48AA00



00B261

# Triad

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



48AA00



00ABFF



FF3B80

# Complementary

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



48AA00



6200AA

# 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.



FD4BC8



48AA00



0096FF

# Square

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



48AA00



00B3F3



B575FF



FF5B39

# Rectangle

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



48AA00



00B594



B575FF



FF3A98



# Sweetspot

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



48AA00



B7DE9B



AA6000



597048



F0F0F0



707070



# Same Dimension

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



48AA00



5EDE00



00AA0B



4F544C



3F9400



091400



# Inverse Universe

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



6200AA



8000DE



AA009F



514C54



550094



0C0014



# Previews

## White Background



This preview shows how the Hex color 48AA00 looks on a white background.

## Color Contrast Check

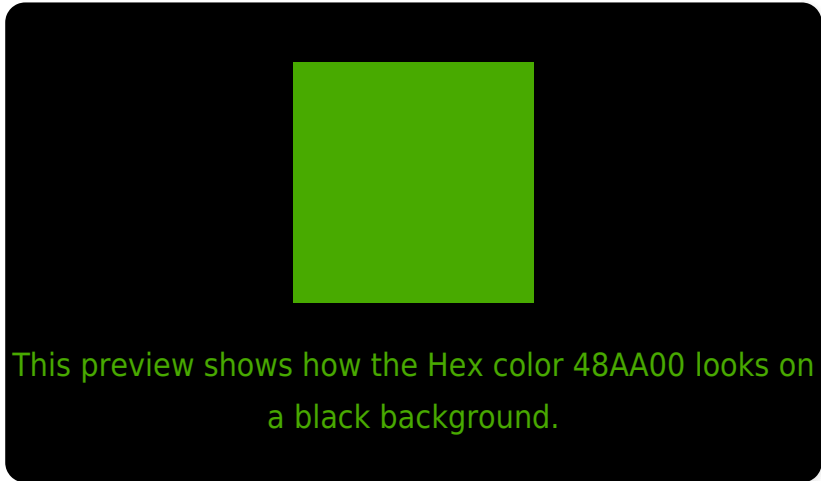
Large Text (above 18pt) WCAG AA × Fail

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 48AA00 Background



This preview shows how black text looks on a background with the Hex color 48AA00.

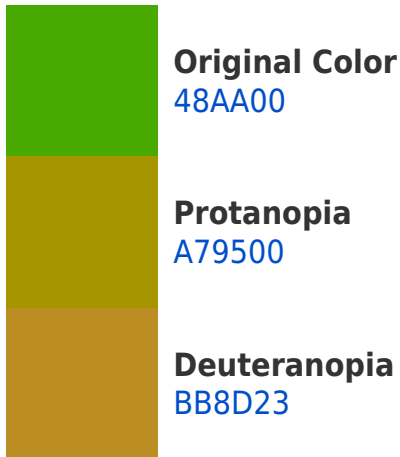


This preview shows how white text looks on a background with the Hex color 48AA00.

# 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**  
48AA00



**Protanomaly**  
849D00



**Deuteranomaly**  
919816



**Tritanomaly**  
59A26D

# Monochromacy



**Original Color**  
48AA00



**Achromatopsia**  
797979



**Achromatomaly**  
678B4D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 48AA00 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 #48AA00 looks like.

```
.text, #text, p{  
    color:#48AA00  
}
```

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 #48AA00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #48AA00
}
```

## Border

The CSS property to change the border of an element to Hex 48AA00 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
#48AA00 }
```

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

```
.border{ border-color:#48AA00 }
```

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

Here you see how a box with a 4 pixel #48AA00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #48AA00; -webkit-box-shadow:4px 4px  
4px 4px #48AA00; box-shadow:4px 4px 4px  
4px #48AA00 }
```

# Background

The CSS property to change the background color of an element to Hex 48AA00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#48AA00 }
```

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

```
.background{ background-color:#48AA00 }
```

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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