

# Converting Colors

Hex(5A9222)

Have a look what the booklet for  
Hex(5A9222) contains.

<b>Hex(5A9222)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(5A9222)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5A9222
RGB	90, 146, 34
RGB Percent	35%, 57%, 13%
CMY	0.6471, 0.4275, 0.8667
CMYK	0.38, 0.00, 0.77, 0.43
HSL	90°, 62%, 35%
HSV	90°, 77%, 57%
XYZ	14.7841, 22.8469, 5.1441
YIQ	116.4880, 2.5760, -46.7040

# Conversions

## Conversions Part 2

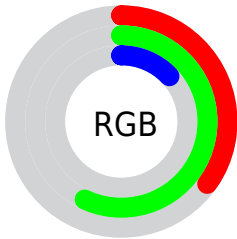
Format	Color
<a href="#">RYB</a>	<a href="#">34, 146, 90</a>
Decimal	<a href="#">5935650</a>
CIELab	<a href="#">54.91, -36.77, 49.96</a>
CIELCh	<a href="#">55, 62.034, 126.347</a>
Yxy	<a href="#">22.8469, 0.3456, 0.5341</a>
Android (android.graphics.Color)	<a href="#">4284125730</a> ( <a href="#">0xFF5A9222</a> )
YUV	<a href="#">116.4880, -40.6666, -23.2300</a>
Hunter-Lab	<a href="#">47.7985, -28.4372, 27.0781</a>

# Details

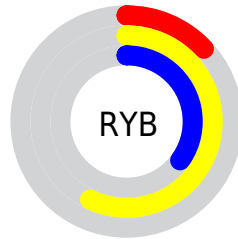
The Hex color **5A9222** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5A2292**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **90C857**, and **235F00** is the 20% darker color. If you saturate the color by 10%, you get **539213**, and if you desaturate by 10%, it is **619231**.

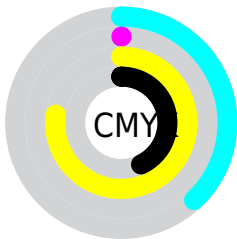
# Distribution



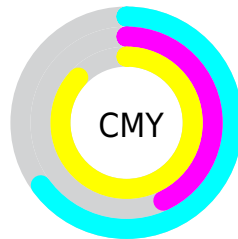
- Red (35%)
- Green (57%)
- Blue (13%)



- Red (13%)
- Yellow (57%)
- Blue (35%)



- Cyan (38%)
- Magenta (0%)
- Yellow (77%)
- Black (43%)



- Cyan (65%)
- Magenta (43%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5A9222 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 5A9222 by changing the saturation by 10% instead.





5A9222



5A9222

FFFFFF



3F7800



90C857



235F00



ACE572



004700



C9FF8C



003000



E6FFA8



001A00



FFFFC4



000000



FFFFE0



FFFFFD



5A9222



5A9222

■ 539213

■ 619231

■ 4B9205

■ 69923F

■ 499200

■ 70924E

■ 77925C

■ 7E926B

■ 86927A

■ 8D9288

■ 949297

■ 9C92A5

# Harmonies

## Analogous

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



938500



5A9222



009956

# Triad

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



5A9222



0094E6



E34C7A

# Complementary

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



5A9222



5A2292

# 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.



CC57B0



5A9222



0086EF

# Square

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



5A9222



009BC2



9370DB



DC5947

# Rectangle

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



5A9222



009C7B



9370DB



DF4D8C



# Sweetspot

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



5A9222



A7BD91



925A22



515E44



DEDEDE



5E5E5E



# Same Dimension

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



5A9222



66BD0F



229222



464A43



458A00



050A00



# Inverse Universe

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



5A2292



660FBD



922292



46434A



45008A



05000A



# Previews

## White Background



This preview shows how the Hex color 5A9222 looks on a white background.

## Color Contrast Check

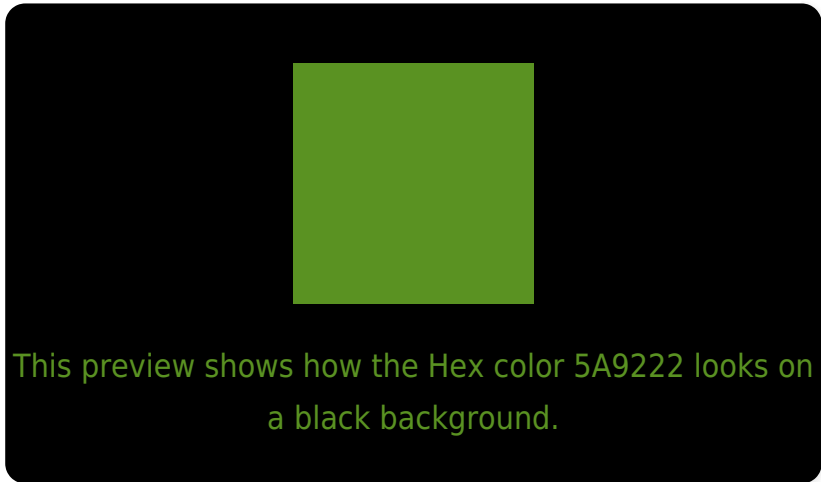
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex 5A9222 Background



This preview shows how black text looks on a background with the Hex color 5A9222.



This preview shows how white text looks on a background with the Hex color 5A9222.

# 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



**Original Color**  
5A9222

**Protanopia**  
93831E

**Deuteranopia**  
A47C2C



**Tritanopia**  
698893

# Trichromacy



**Original Color**  
5A9222

**Protanomaly**  
7E881F

**Deuteranomaly**  
898428

**Tritanomaly**  
648C6A

# Monochromacy



**Original Color**  
5A9222

**Achromatopsia**  
747474

**Achromatomaly**  
6B7F56

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5A9222 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 #5A9222 looks like.

```
.text, #text, p{  
    color:#5A9222  
}
```

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 #5A9222 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5A9222
}
```

## Border

The CSS property to change the border of an element to Hex 5A9222 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
#5A9222 }
```

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

```
.border{ border-color:#5A9222 }
```

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

Here you see how a box with a 4 pixel #5A9222 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5A9222; -webkit-box-shadow:4px 4px  
4px 4px #5A9222; box-shadow:4px 4px 4px  
4px #5A9222 }
```

# Background

The CSS property to change the background color of an element to Hex 5A9222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5A9222 }
```

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

```
.background{ background-color:#5A9222 }
```

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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