

# Converting Colors

Hex(58AA14)

Have a look what the booklet for  
Hex(58AA14) contains.

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**Color**

**Hex(58AA14)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58AA14
RGB	88, 170, 20
RGB Percent	35%, 67%, 8%
CMY	0.6549, 0.3333, 0.9216
CMYK	0.48, 0.00, 0.88, 0.33
HSL	93°, 79%, 37%
HSV	93°, 88%, 67%
XYZ	18.5255, 30.8747, 5.6448
YIQ	128.3820, -0.7220, -64.0340

# Conversions

## Conversions Part 2

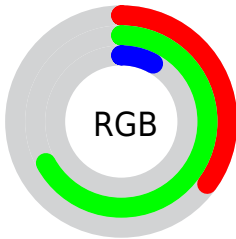
<b>Format</b>	<b>Color</b>
<b>RYB</b>	20, 170, 102
Decimal	5810708
CIELab	62.40, -48.04, 60.60
CIElCh	62, 77.331, 128.405
Yxy	30.8747, 0.3366, 0.5609
Android (android.graphics.Color)	4284000788 (0xFF58AA14)
YUV	128.3820, -53.4323, -35.4150
Hunter-Lab	55.5650, -37.7264, 32.8722

# Details

The Hex color **58AA14** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6614AA**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **91E252**, and **157500** is the 20% darker color. If you saturate the color by 10%, you get **4FAA03**, and if you desaturate by 10%, it is **61AA25**.

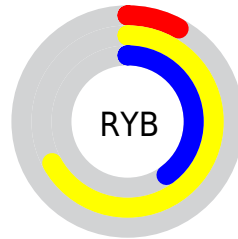
# Distribution



Red (35%)

Green (67%)

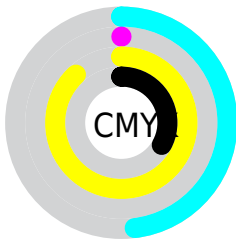
Blue (8%)



Red (8%)

Yellow (67%)

Blue (40%)

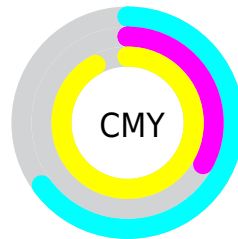


Cyan (48%)

Magenta (0%)

Yellow (88%)

Black (33%)



Cyan (65%)

Magenta (33%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 58AA14 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 58AA14 by changing the saturation by 10% instead.



■ 58AA14

■ 58AA14

FFFFFF

■ 3A8F00

■ 91E252

■ 157500

■ AEFF6E

■ 005B00

■ CBFF89

■ 004300

■ E9FFA5

■ 002D00

■ FFFFC1

■ 001000

■ FFFFDE

■ 000000

■ FFFFFC

■ 58AA14

■ 58AA14

■ 4FAA03

■ 61AA25

■ 4DAA00

■ 6BAA36

■ 74AA47

■ 7DAA58

■ 86AA69

■ 90AA7A

■ 99AA8B

■ A2AA9C

■ ACAAAD

# Harmonies

## Analogous

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



A49A00



58AA14



00B261

# Triad

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



58AA14



00ACFF



FF4887

# Complementary

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



58AA14



6614AA

# 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.



F658CB



58AA14



0099FF

# Square

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



58AA14



00B4EB



B07BFF



FF6045

# Rectangle

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



58AA14



00B591



B07BFF



FF499E



# Sweetspot

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



58AA14



BEDEA4



AA6414



5D704D



F0F0F0



707070



# Same Dimension

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



58AA14



65DE00



14AA19



50544C



439400



091400



# Inverse Universe

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



6614AA



7900DE



AA14A5



504C54



510094



0B0014



# Previews

## White Background



This preview shows how the Hex color 58AA14 looks on a white background.

## Color Contrast Check

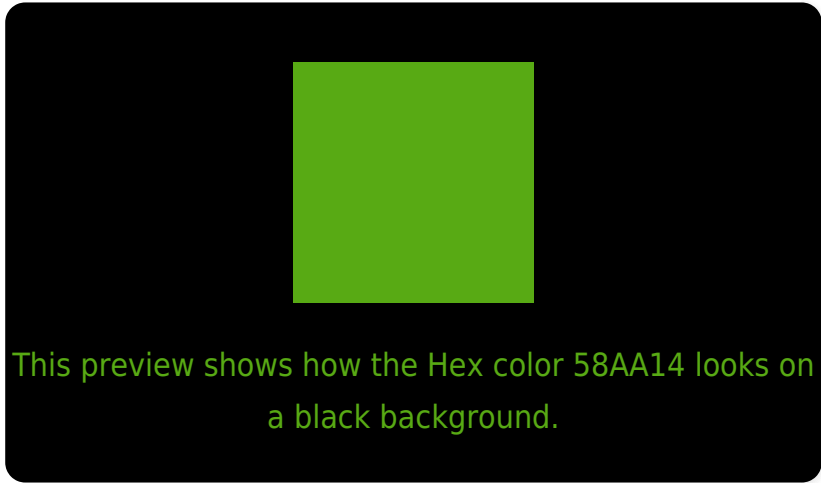
Large Text (above 18pt) WCAG AA × Fail

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 58AA14 Background



This preview shows how black text looks on a background with the Hex color 58AA14.

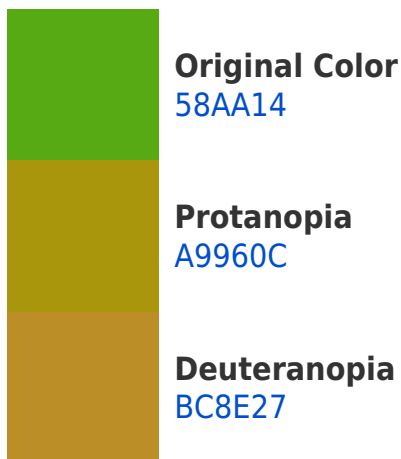


This preview shows how white text looks on a background with the Hex color 58AA14.

# 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**  
6E9EAB

# Trichromacy



**Original Color**  
58AA14

**Protanomaly**  
8C9D0F

**Deuteranomaly**  
989820

**Tritanomaly**  
66A274

# Monochromacy



**Original Color**  
58AA14

**Achromatopsia**  
808080

**Achromatomaly**  
718F59

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 58AA14 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 #58AA14 looks like.

```
.text, #text, p{  
    color:#58AA14  
}
```

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 #58AA14 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #58AA14
}
```

## Border

The CSS property to change the border of an element to Hex 58AA14 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
#58AA14 }
```

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

```
.border{ border-color:#58AA14 }
```

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

Here you see how a box with a 4 pixel #58AA14 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #58AA14; -webkit-box-shadow:4px 4px  
4px 4px #58AA14; box-shadow:4px 4px 4px  
4px #58AA14 }
```

# Background

The CSS property to change the background color of an element to Hex 58AA14 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#58AA14 }
```

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

```
.background{ background-color:#58AA14 }
```

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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