

# Converting Colors

Hex(5AAD02)

Have a look what the booklet for  
Hex(5AAD02) contains.

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**Color**

**Hex(5AAD02)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AAD02
RGB	90, 173, 2
RGB Percent	35%, 68%, 1%
CMY	0.6471, 0.3216, 0.9922
CMYK	0.48, 0.00, 0.99, 0.32
HSL	89°, 98%, 34%
HSV	89°, 99%, 68%
XYZ	19.1710, 32.0652, 5.2362
YIQ	128.6890, 5.4230, -70.7770

# Conversions

## Conversions Part 2

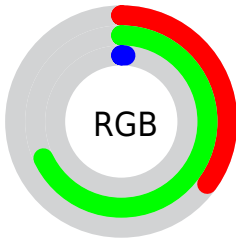
Format	Color
<a href="#">RYB</a>	<a href="#">2, 173, 85</a>
Decimal	<a href="#">5942530</a>
CIELab	<a href="#">63.40, -49.00, 64.16</a>
CIELCh	<a href="#">63, 80.731, 127.369</a>
Yxy	<a href="#">32.0652, 0.3395, 0.5678</a>
Android (android.graphics.Color)	<a href="#">4284132610 (0xFF5AAD02)</a>
YUV	<a href="#">128.6890, -62.4577, -33.9303</a>
Hunter-Lab	<a href="#">56.6261, -38.6639, 34.1557</a>

# Details

The Hex color **5AAD02** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5502AD**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **94E54C**, and **177800** is the 20% darker color. If you saturate the color by 10%, you get **59AD00**, and if you desaturate by 10%, it is **62AD13**.

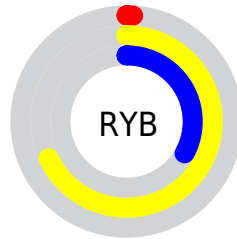
# Distribution



Red (35%)

Green (68%)

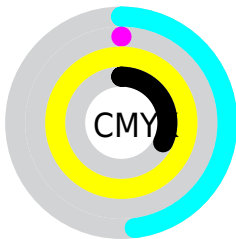
Blue (1%)



Red (1%)

Yellow (68%)

Blue (33%)

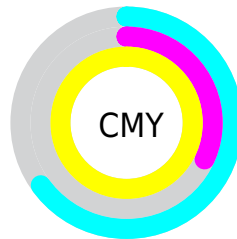


Cyan (48%)

Magenta (0%)

Yellow (99%)

Black (32%)



Cyan (65%)

Magenta (32%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AAD02 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 5AAD02 by changing the saturation by 10% instead.



 5AAD02

 5AAD02

FFFFFF

 3C9200

 94E54C

 177800

 B1FF68

 005E00

 CEFF84

 004600

 ECFFA0

 002F00

 FFFFBC

 001400

 FFFFD9

 000000

 FFFFF6

 5AAD02

 5AAD02

■ 59AD00

■ 62AD13

■ 6BAD25

■ 73AD36

■ 7CAD47

■ 84AD59

■ 8CAD6A

■ 95AD7B

■ 9DAD8C

■ A6AD9E

# Harmonies

## Analogous

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



A99C00



5AAD02



00B65F

# Triad

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



5AAD02



00B0FF



FF448B

# Complementary

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



5AAD02



5502AD

# 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.



FB57D2



5AAD02



009DFF

# Square

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



5AAD02



00B8F0



AF7DFF



FF5E46

# Rectangle

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



5AAD02



00B991



AF7DFF



FF45A3



# Sweetspot

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



5AAD02



C0E09D



AD5502



5D7048



F0F0F0



707070



# Same Dimension

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



5AAD02



73E000



05AD02



52574E



4D9600



0C1700



# Inverse Universe

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



5502AD



6D00E0



AA02AD



524E57



490096



0B0017



# Previews

## White Background



This preview shows how the Hex color 5AAD02 looks on a white background.

## Color Contrast Check

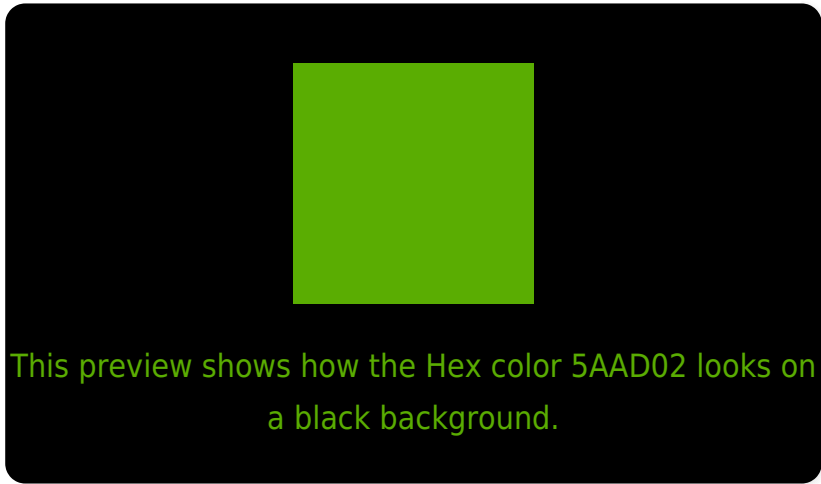
Large Text (above 18pt) WCAG AA × Fail

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 5AAD02 Background



This preview shows how black text looks on a background with the Hex color 5AAD02.

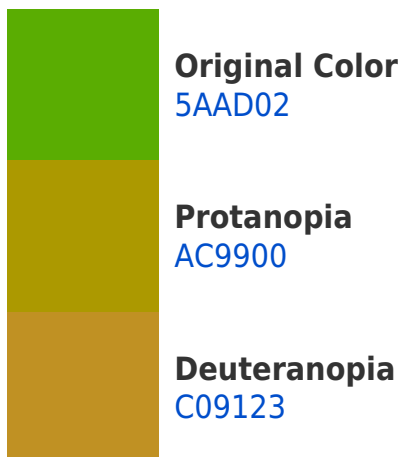


This preview shows how white text looks on a background with the Hex color 5AAD02.

# 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](#).

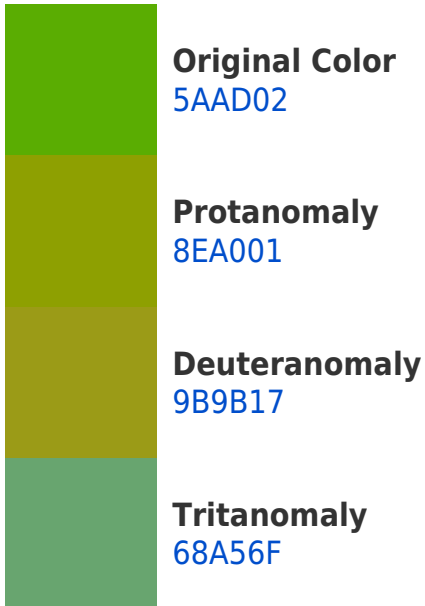
## Dichromacy





**Tritanopia**  
70A1AE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AAD02 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 #5AAD02 looks like.

```
.text, #text, p{  
    color:#5AAD02  
}
```

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 #5AAD02 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AAD02
}
```

## Border

The CSS property to change the border of an element to Hex 5AAD02 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".

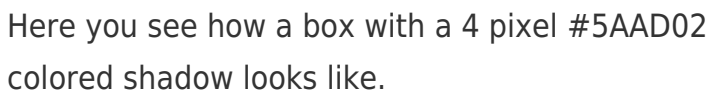
```
.border, #border, table{ border:4px solid
#5AAD02 }
```

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

```
.border{ border-color:#5AAD02 }
```

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

Here you see how a box with a 4 pixel #5AAD02 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AAD02; -webkit-box-shadow:4px 4px  
4px 4px #5AAD02; box-shadow:4px 4px 4px  
4px #5AAD02 }
```

# Background

The CSS property to change the background color of an element to Hex 5AAD02 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AAD02 }
```

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

```
.background{ background-color:#5AAD02 }
```

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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