

# Converting Colors

Hex(5AA200)

Have a look what the booklet for  
Hex(5AA200) contains.

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**Color**

**Hex(5AA200)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 5AA200                     |
| RGB           | 90, 162, 0                 |
| RGB Percent   | 35%, 64%, 0%               |
| CMY           | 0.6471, 0.3647, 1.0000     |
| CMYK          | 0.44, 0.00, 1.00, 0.36     |
| HSL           | 87°, 100%, 32%             |
| HSV           | 87°, 100%, 64%             |
| XYZ           | 17.1368, 28.0143, 4.5041   |
| YIQ           | 122.0040, 9.0900, -65.6460 |

# Conversions

## Conversions Part 2

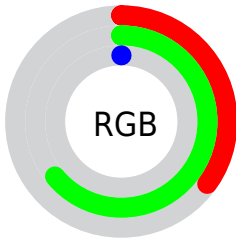
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 0, 162, 72                      |
| Decimal                             | 5939712                         |
| CIELab                              | 59.90, -44.70, 61.70            |
| CIELCh                              | 60, 76.185, 125.922             |
| Yxy                                 | 28.0143, 0.3451,<br>0.5642      |
| Android<br>(android.graphics.Color) | 4284129792<br>(0xFF5AA200)      |
| YUV                                 | 122.0040, -60.1480,<br>-28.0675 |
| Hunter-Lab                          | 52.9286, -34.8317,<br>32.0045   |

# Details

The Hex color **5AA200** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4800A2**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **93D949**, and **1C6E00** is the 20% darker color. If you saturate the color by 10%, you get **5AA200**, and if you desaturate by 10%, it is **61A210**.

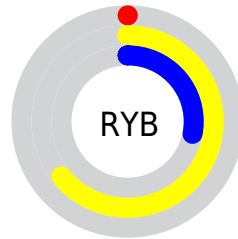
# Distribution



Red (35%)

Green (64%)

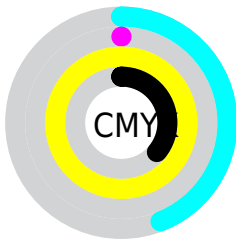
Blue (0%)



Red (0%)

Yellow (64%)

Blue (28%)

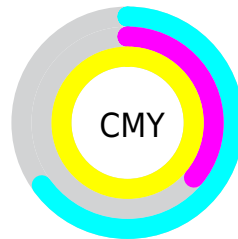


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (65%)

Magenta (36%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AA200 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 5AA200 by changing the saturation by 10% instead.



 5AA200

 5AA200


FFFFFF

 3D8700

 93D949

 1C6E00

 AFF664

 005500

 CCFF80

 003C00

 EAFF9C

 002800

 FFFF80

 000000

 FFFFD5

 FFFFF2

 5AA200

 61A210

 68A220

 70A231

 77A241

 7EA251

 85A261

 8CA271

 94A282

 9BA292

# Harmonies

## Analogous

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



A29200



5AA200



00AB56

# Triad

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



5AA200



00A6FF



FF4286

# Complementary

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



5AA200



4800A2

# 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.



EA54C8



5AA200



0094FF

# Square

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



5AA200



00ADDE



A078FE



FC5745

# Rectangle

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



5AA200



00AD85



A078FE



FF449C



# Sweetspot

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



5AA200



B7D494



A24600



5A6B45



EBEBEB



6B6B6B



# Same Dimension

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



5AA200



76D400



0BA200



4E5249



519100



0A1200



# Inverse Universe

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



4800A2



5E00D4



9700A2



4D4952



410091



080012



# Previews

## White Background



This preview shows how the Hex color 5AA200 looks on a white background.

## Color Contrast Check

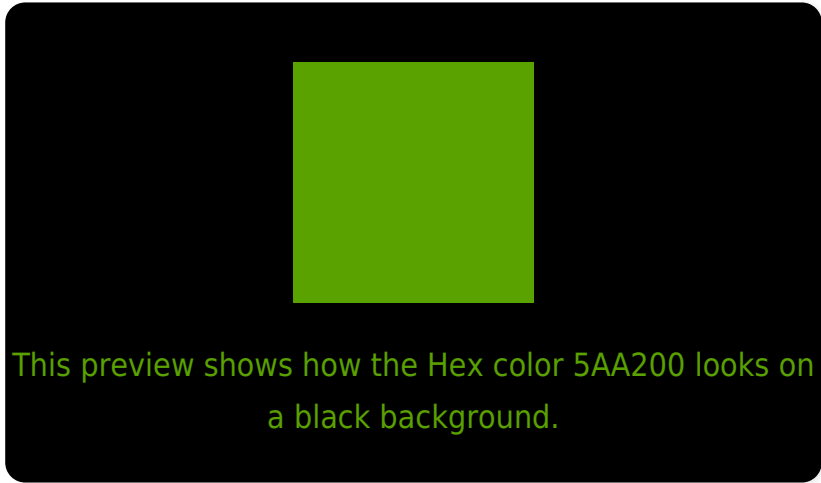
Large Text (above 18pt) WCAG AA ✓ Pass

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 5AA200 Background



This preview shows how black text looks on a background with the Hex color 5AA200.



This preview shows how white text looks on a background with the Hex color 5AA200.

# 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**  
5AA200

**Protanopia**  
A29000

**Deuteranopia**  
B58821



**Tritanopia**  
6E97A3

# Trichromacy



**Original Color**

5AA200



**Protanomaly**

889700



**Deuteranomaly**

949115



**Tritanomaly**

679B68

# Monochromacy



**Original Color**

5AA200



**Achromatopsia**

7A7A7A



**Achromatomaly**

6E894E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AA200 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 #5AA200 looks like.

```
.text, #text, p{  
    color:#5AA200  
}
```

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 #5AA200 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AA200
}
```

## Border

The CSS property to change the border of an element to Hex 5AA200 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
#5AA200 }
```

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

```
.border{ border-color:#5AA200 }
```

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

Here you see how a box with a 4 pixel #5AA200 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AA200; -webkit-box-shadow:4px 4px  
4px 4px #5AA200; box-shadow:4px 4px 4px  
4px #5AA200 }
```

# Background

The CSS property to change the background color of an element to Hex 5AA200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AA200 }
```

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

```
.background{ background-color:#5AA200 }
```

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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