

# Converting Colors

Hex(55B400)

Have a look what the booklet for  
Hex(55B400) contains.

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**Color**

**Hex(55B400)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	55B400
RGB	85, 180, 0
RGB Percent	33%, 71%, 0%
CMY	0.6667, 0.2941, 1.0000
CMYK	0.53, 0.00, 1.00, 0.29
HSL	92°, 100%, 35%
HSV	92°, 100%, 71%
XYZ	20.0676, 34.5738, 5.6157
YIQ	131.0750, 1.1600, -76.1200

# Conversions

## Conversions Part 2

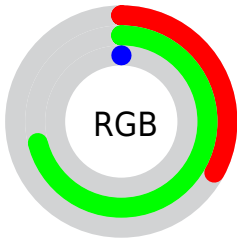
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 180, 95
Decimal	5616640
CIELab	65.42, -53.20, 65.92
CIELCh	65, 84.713, 128.902
Yxy	34.5738, 0.3330, 0.5738
Android (android.graphics.Color)	4283806720 (0xFF55B400)
YUV	131.0750, -64.6200, -40.4078
Hunter-Lab	58.7995, -41.9792, 35.4971

# Details

The Hex color **55B400** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **5F00B4**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **90ED4D**, and **027E00** is the 20% darker color. If you saturate the color by 10%, you get **55B400**, and if you desaturate by 10%, it is **5EB412**.

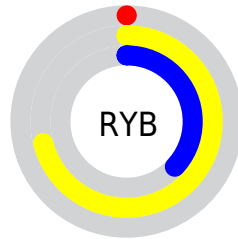
# Distribution



Red (33%)

Green (71%)

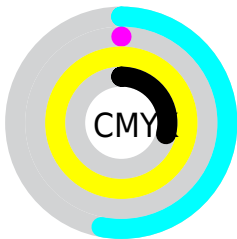
Blue (0%)



Red (0%)

Yellow (71%)

Blue (37%)

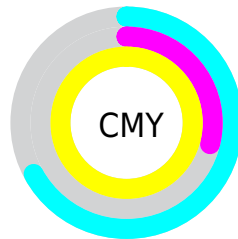


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (67%)

Magenta (29%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 55B400 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 55B400 by changing the saturation by 10% instead.



 55B400

 55B400

FFFFFF

 359900

 90ED4D

 027E00

 AEFF69

 006400

 CBFF85

 004B00

 E9FFA1

 003400

 FFFFBE

 001B00

 FFFFDB

 000000

 FFFFF8

 55B400

 5EB412

 68B424

 72B436

 7BB448

 85B45A

 8EB46C

 98B47E

 A1B490

 ABB4A2

# Harmonies

## Analogous

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



ABA300



55B400



00BD65

# Triad

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



55B400



00B6FF



FF438C

# Complementary

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



55B400



5F00B4

# 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.



FF55D7



55B400



00A1FF

# Square

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



55B400



00BFFD



BB7FFF



FF6143

# Rectangle

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



55B400



00C09A



BB7FFF



FF43A5

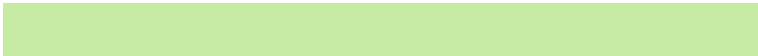


# Sweetspot

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



55B400



C5EBA4



B45D00



5F754B



F5F5F5



757575



# Same Dimension

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



55B400



6FEB00



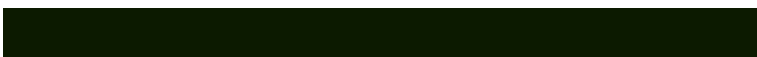
00B403



555950



489900



0C1A00



# Inverse Universe

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



5F00B4



7C00EB



B400B1



555059



510099



0D001A



# Previews

## White Background



This preview shows how the Hex color 55B400 looks on a white background.

## Color Contrast Check

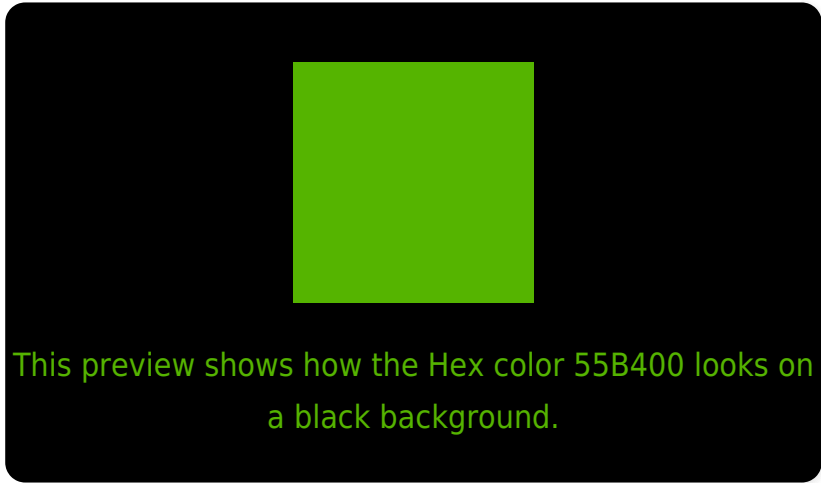
Large Text (above 18pt) WCAG AA × Fail

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 55B400 Background



This preview shows how black text looks on a background with the Hex color 55B400.

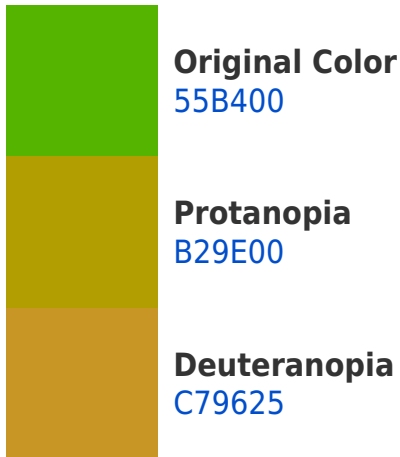


This preview shows how white text looks on a background with the Hex color 55B400.

# 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](#).

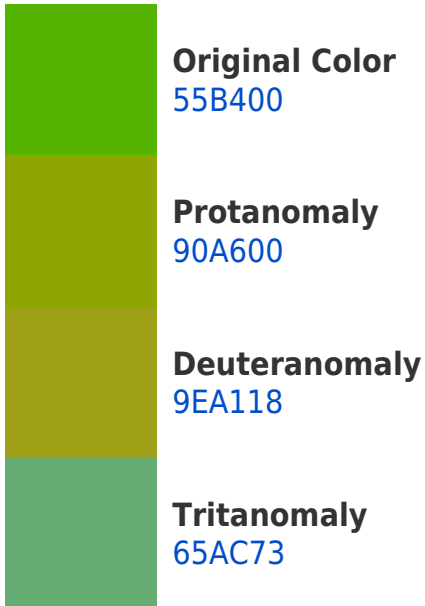
## Dichromacy





**Tritanopia**  
6EA7B5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 55B400 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 #55B400 looks like.

```
.text, #text, p{  
    color:#55B400  
}
```

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 #55B400 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55B400
}
```

## Border

The CSS property to change the border of an element to Hex 55B400 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
#55B400 }
```

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

```
.border{ border-color:#55B400 }
```

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

Here you see how a box with a 4 pixel #55B400 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55B400; -webkit-box-shadow:4px 4px  
4px 4px #55B400; box-shadow:4px 4px 4px  
4px #55B400 }
```

# Background

The CSS property to change the background color of an element to Hex 55B400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55B400 }
```

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

```
.background{ background-color:#55B400 }
```

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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