

# Converting Colors

Hex(5BC20A)

Have a look what the booklet for  
Hex(5BC20A) contains.

<b>Hex(5BC20A)</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(5BC20A)

# Conversions

## Conversions Part 1

Format	Color
Hex	5BC20A
RGB	91, 194, 10
RGB Percent	36%, 76%, 4%
CMY	0.6431, 0.2392, 0.9608
CMYK	0.53, 0.00, 0.95, 0.24
HSL	94°, 90%, 40%
HSV	94°, 95%, 76%
XYZ	23.6610, 40.8296, 6.9210
YIQ	142.2270, -2.3240, -79.0600

# Conversions

## Conversions Part 2

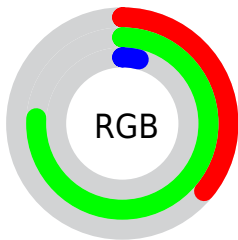
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 194, 113
Decimal	6013450
CIELab	70.06, -56.40, 68.56
CIELCh	70, 88.773, 129.443
Yxy	40.8296, 0.3313, 0.5718
Android (android.graphics.Color)	4284203530 (0xFF5BC20A)
YUV	142.2270, -65.1879, -44.9261
Hunter-Lab	63.8981, -45.7245, 38.3068

# Details

The Hex color **5BC20A** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **710AC2**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **97FB53**, and **0A8B00** is the 20% darker color. If you saturate the color by 10%, you get **55C200**, and if you desaturate by 10%, it is **66C21D**.

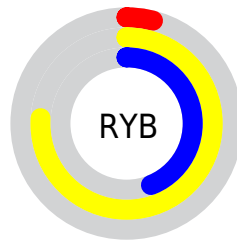
# Distribution



Red (36%)

Green (76%)

Blue (4%)



Red (4%)

Yellow (76%)

Blue (44%)

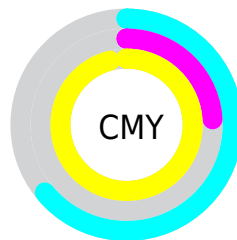


Cyan (53%)

Magenta (0%)

Yellow (95%)

Black (24%)



Cyan (64%)

Magenta (24%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5BC20A 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 5BC20A by changing the saturation by 10% instead.



 5BC20A

 5BC20A

FFFFFF

 3AA600

 97FB53

 0A8B00

 B5FF6F

 007100

 D3FF8C

 005700

 F1FFA8

 003F00

 FFFFC5

 002800

 FFFFE2

 000000

 5BC20A

 5BC20A

 55C200

 66C21D

 71C231

 7CC244

 86C258

 91C26B

 9CC27E

 A7C292

 B2C2A5

 BDC2B9

# Harmonies

## Analogous

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



B7B000



5BC20A



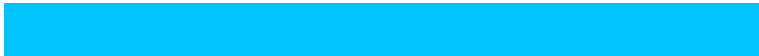
00CB6F

# Triad

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



5BC20A



00C3FF



FF4A95

# Complementary

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



5BC20A



710AC2

# 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.



FF5DE6



5BC20A



00ADFF

# Square

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



5BC20A



00CFFF



CC89FF



FF6A48

# Rectangle

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



5BC20A



00CEA7



CC89FF



FF4AB0

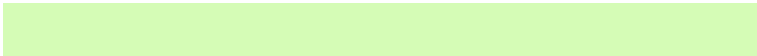


# Sweetspot

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



5BC20A



D5FCB6



C26F0A



678054



000000



808080



# Same Dimension

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



5BC20A



6FFC00



0AC213



5B6157



47A100



0F2100



# Inverse Universe

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



710AC2



8D00FC



C20AB9



5D5761



5A00A1



130021



# Previews

## White Background



This preview shows how the Hex color 5BC20A looks on a white background.

## Color Contrast Check

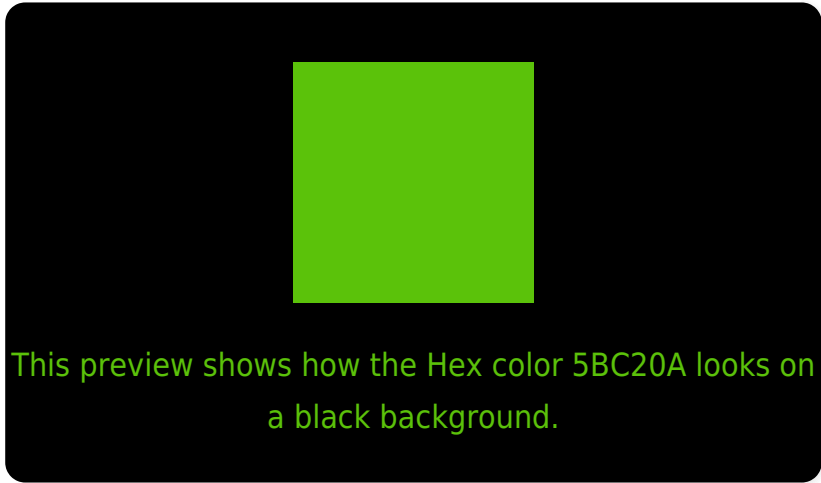
Large Text (above 18pt) WCAG AA × Fail

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 5BC20A Background



This preview shows how black text looks on a background with the Hex color 5BC20A.

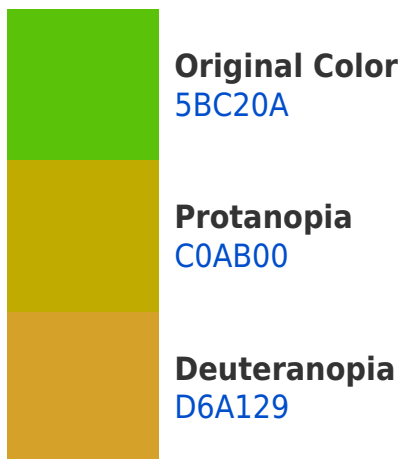


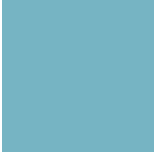
This preview shows how white text looks on a background with the Hex color 5BC20A.

# 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**  
76B4C3

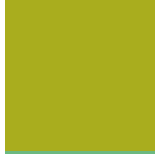
# Trichromacy



**Original Color**  
5BC20A



**Protanomaly**  
9BB304



**Deuteranomaly**  
A9AD1E



**Tritanomaly**  
6CB980

# Monochromacy



**Original Color**  
5BC20A



**Achromatopsia**  
8E8E8E



**Achromatomaly**  
7BA15E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5BC20A 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 #5BC20A looks like.

```
.text, #text, p{  
    color:#5BC20A  
}
```

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 #5BC20A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5BC20A
}
```

## Border

The CSS property to change the border of an element to Hex 5BC20A 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
#5BC20A }
```

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

```
.border{ border-color:#5BC20A }
```

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

Here you see how a box with a 4 pixel #5BC20A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5BC20A; -webkit-box-shadow:4px 4px  
4px 4px #5BC20A; box-shadow:4px 4px 4px  
4px #5BC20A }
```

# Background

The CSS property to change the background color of an element to Hex 5BC20A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5BC20A }
```

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

```
.background{ background-color:#5BC20A }
```

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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