

# Converting Colors

Hex(38B201)

Have a look what the booklet for  
Hex(38B201) contains.

<b>Hex(38B201)</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(38B201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38B201
RGB	56, 178, 1
RGB Percent	22%, 70%, 0%
CMY	0.7804, 0.3020, 0.9961
CMYK	0.69, 0.00, 0.99, 0.30
HSL	101°, 99%, 35%
HSV	101°, 99%, 70%
XYZ	17.5568, 32.6837, 5.4120
YIQ	121.3440, -15.8950, -80.9110

# Conversions

## Conversions Part 2

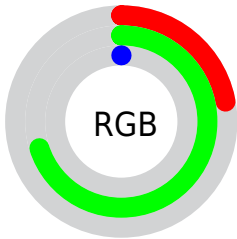
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 178, 123
Decimal	3715585
CIELab	63.90, -59.66, 64.23
CIElCh	64, 87.662, 132.887
Yxy	32.6837, 0.3155, 0.5873
Android (android.graphics.Color)	4281905665 (0xFF38B201)
YUV	121.3440, -59.3296, -57.3067
Hunter-Lab	57.1697, -45.2298, 34.4061

# Details

The Hex color **38B201** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7B01B2**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **79EB4C**, and **007C00** is the 20% darker color. If you saturate the color by 10%, you get **37B200**, and if you desaturate by 10%, it is **44B213**.

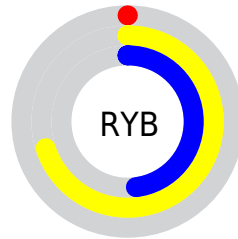
# Distribution



Red (22%)

Green (70%)

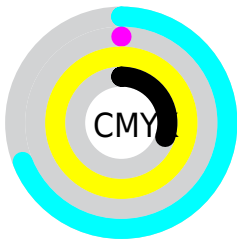
Blue (0%)



Red (0%)

Yellow (70%)

Blue (48%)

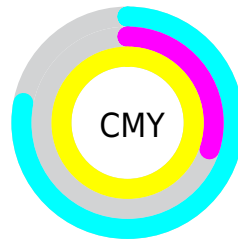


Cyan (69%)

Magenta (0%)

Yellow (99%)

Black (30%)



Cyan (78%)

Magenta (30%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 38B201 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 38B201 by changing the saturation by 10% instead.



 38B201

 38B201

FFFFFF

 009700

 79EB4C

 007C00

 97FF68

 006200

 B5FF84

 004900

 D3FFA0

 003200

 F1FFBD

 001600

 FFFFDA

 000000

 FFFFF7

 38B201

 38B201

 37B200

 44B213

 51B225

 5DB236

 69B248

 75B25A

 82B26C

 8EB27E

 9AB28F

 A6B2A1

# Harmonies

## Analogous

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



9CA200



38B201



00BA6A

# Triad

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



38B201



00B0FF



FF367D

# Complementary

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



38B201



7B01B2

# 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.



FF45CB



38B201



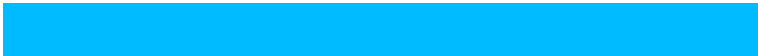
0099FF

# Square

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



38B201



00BBFF



C674FF



FF5E31

# Rectangle

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



38B201



00BCA1



C674FF



FF3397



# Sweetspot

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



38B201



B8E8A2



B27A01



58754B



F5F5F5



757575



# Same Dimension

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



38B201



48E800



01B221



535950



309900



081A00



# Inverse Universe

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



7B01B2



A000E8



B20192



565059



690099

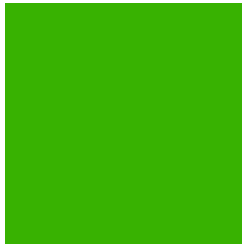


12001A



# Previews

## White Background



This preview shows how the Hex color 38B201 looks on a white background.

## Color Contrast Check

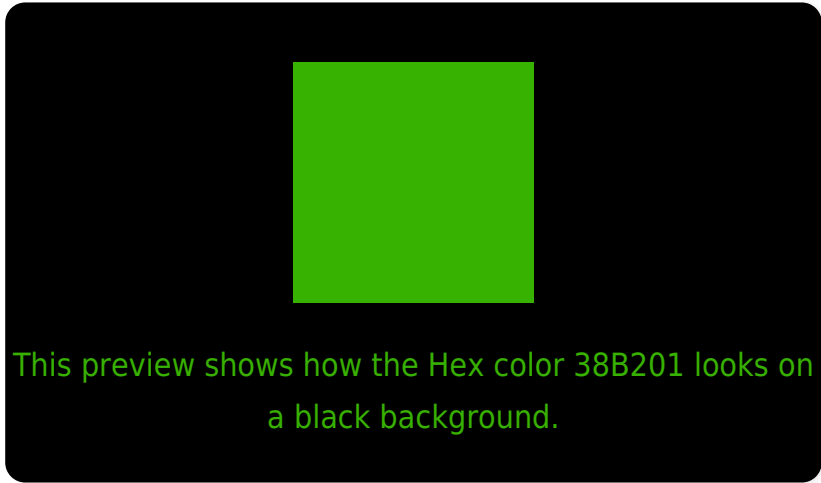
Large Text (above 18pt) WCAG AA × Fail

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

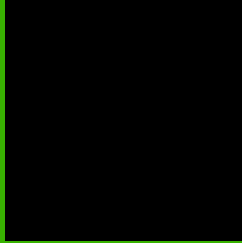
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 38B201 Background



This preview shows how black text looks on a background with the Hex color 38B201.

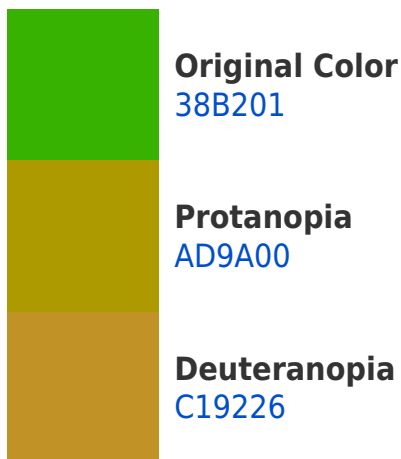


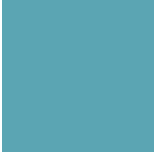
This preview shows how white text looks on a background with the Hex color 38B201.

# 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](#).

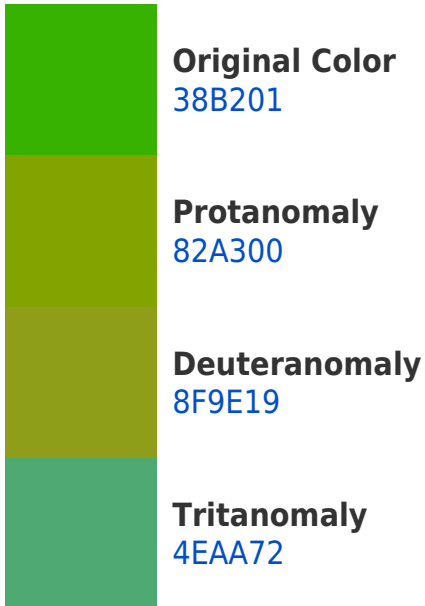
## Dichromacy





**Tritanopia**  
5BA5B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 38B201 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 #38B201 looks like.

```
.text, #text, p{  
    color:#38B201  
}
```

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 #38B201 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #38B201
}
```

## Border

The CSS property to change the border of an element to Hex 38B201 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
#38B201 }
```

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

```
.border{ border-color:#38B201 }
```

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

Here you see how a box with a 4 pixel #38B201 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #38B201; -webkit-box-shadow:4px 4px  
4px 4px #38B201; box-shadow:4px 4px 4px  
4px #38B201 }
```

# Background

The CSS property to change the background color of an element to Hex 38B201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#38B201 }
```

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

```
.background{ background-color:#38B201 }
```

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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