

# Converting Colors

Hex(38F012)

Have a look what the booklet for  
Hex(38F012) contains.

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**Color**

**Hex(38F012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38F012
RGB	56, 240, 18
RGB Percent	22%, 94%, 7%
CMY	0.7804, 0.0588, 0.9294
CMYK	0.77, 0.00, 0.93, 0.06
HSL	110°, 88%, 51%
HSV	110°, 92%, 94%
XYZ	32.9002, 63.2046, 11.0380
YIQ	159.6760, -38.4020, -108.0500

# Conversions

## Conversions Part 2

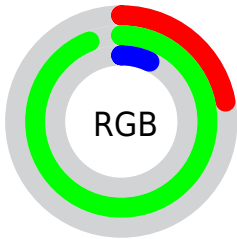
Format	Color
R <sub>Y</sub> B	18, 240, 202
Decimal	3731474
CIE Lab	83.55, -78.03, 78.38
CIE LCh	84, 110.599, 134.870
Yxy	63.2046, 0.3071, 0.5899
Android (android.graphics.Color)	4281921554 (0xFF38F012)
YUV	159.6760, -69.8463, -90.9239
Hunter-Lab	79.5013, -65.2584, 47.4191

# Details

The Hex color **38F012** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **CA12F0**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **85FF5E**, and **00B600** is the 20% darker color. If you saturate the color by 10%, you get **29F000**, and if you desaturate by 10%, it is **4CF02A**.

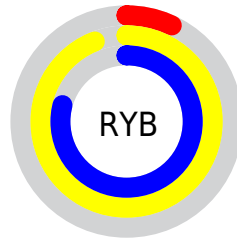
# Distribution



Red (22%)

Green (94%)

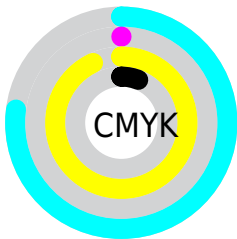
Blue (7%)



Red (7%)

Yellow (94%)

Blue (79%)

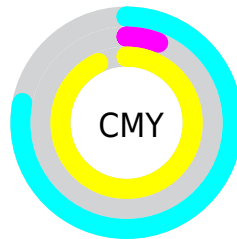


Cyan (77%)

Magenta (0%)

Yellow (93%)

Black (6%)



Cyan (78%)

Magenta (6%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 38F012 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 38F012 by changing the saturation by 10% instead.



 38F012

 38F012

FFFFFF

 00D300

 85FF5E

 00B600

 A6FF7C

 009A00

 C7FF99

 007F00

 E7FFB7

 006400

 FFFFD4

 004A00

 FFFFF2

 003100

 001500

 000000

 38F012

 38F012

 29F000

 4CF02A

 60F042

 74F05A

 88F072

 9BF08A

 AFF0A2

 C3F0BA

 D7F0D2

 EBF0EA

# Harmonies

## Analogous

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



CBDC00



38F012



00FA96

# Triad

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



38F012



00ECFF



FF4AA2

# Complementary

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



38F012



CA12F0

# 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.



FF58FF



38F012



00CCFF

# Square

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



38F012



00FAFF



FF98FF



FF833B

# Rectangle

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



38F012



00FDDF



FF98FF



FF42C4

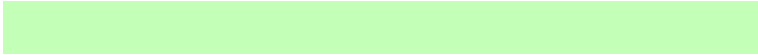


# Sweetspot

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



38F012



C4FFB8



F0C712



5C8054



000000



808080



# Same Dimension

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



38F012



2CFF00



12F058



6E786C



1FB800



0A3800



# Inverse Universe

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



CA12F0



D300FF



F012AA



766C78



9800B8

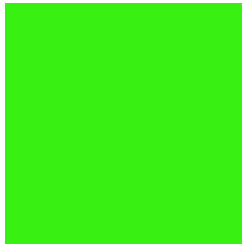


2E0038



# Previews

## White Background



This preview shows how the Hex color 38F012 looks on a white background.

## Color Contrast Check

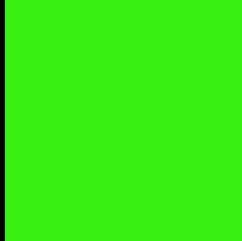
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 38F012 looks on a 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 38F012 Background



This preview shows how black text looks on a background with the Hex color 38F012.

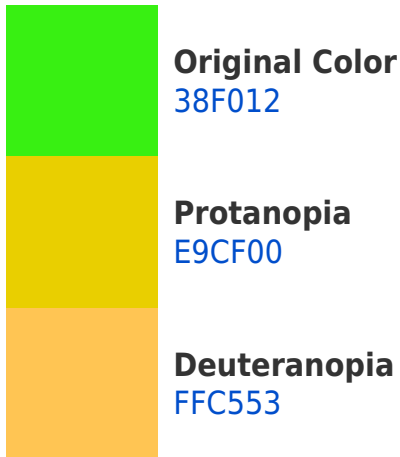


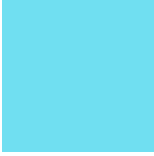
This preview shows how white text looks on a background with the Hex color 38F012.

# 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](#).

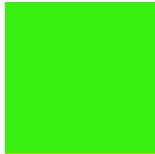
## Dichromacy





**Tritanopia**  
70DFF1

# Trichromacy



**Original Color**  
38F012



**Protanomaly**  
A9DB07

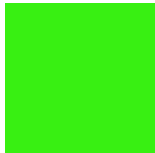


**Deuteranomaly**  
B7D53B



**Tritanomaly**  
5CE5A0

# Monochromacy



**Original Color**  
38F012



**Achromatopsia**  
A0A0A0



**Achromatomaly**  
7ABD6C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 38F012 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 #38F012 looks like.

```
.text, #text, p{  
    color:#38F012  
}
```

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 #38F012 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #38F012
}
```

## Border

The CSS property to change the border of an element to Hex 38F012 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
#38F012 }
```

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

```
.border{ border-color:#38F012 }
```

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

Here you see how a box with a 4 pixel #38F012 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #38F012; -webkit-box-shadow:4px 4px  
4px 4px #38F012; box-shadow:4px 4px 4px  
4px #38F012 }
```

# Background

The CSS property to change the background color of an element to Hex 38F012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#38F012 }
```

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

```
.background{ background-color:#38F012 }
```

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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