

# Converting Colors

Hex(FFB12C)

Have a look what the booklet for  
Hex(FFB12C) contains.

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# **Color**

**Hex(FFB12C)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FFB12C                      |
| RGB         | 255, 177, 44                |
| RGB Percent | 100%, 69%, 17%              |
| CMY         | 0.0000, 0.3059, 0.8275      |
| CMYK        | 0.00, 0.31, 0.83, 0.00      |
| HSL         | 38°, 100%, 59%              |
| HSV         | 38°, 83%, 100%              |
| XYZ         | 57.4168, 52.8861, 9.5647    |
| YIQ         | 185.1600, 89.1810, -24.8270 |

# Conversions

## Conversions Part 2

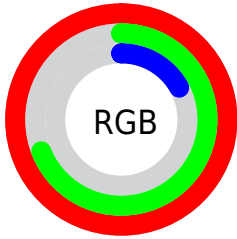
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">168, 255, 44</a>                                 |
| Decimal                             | <a href="#">16757036</a>                                     |
| CIELab                              | <a href="#">77.81, 18.33, 72.83</a>                          |
| CIELCh                              | <a href="#">78, 75.102, 75.874</a>                           |
| Yxy                                 | <a href="#">52.8861, 0.4790, 0.4412</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4294947116</a><br>( <a href="#">0xFFFFB12C</a> ) |
| YUV                                 | <a href="#">185.1600, -69.5919, 61.2497</a>                  |
| Hunter-Lab                          | <a href="#">72.7229, 13.6658, 43.1080</a>                    |

# Details

The Hex color **FFB12C** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **2C7AFF**, and the grayscale version is **BABABA**.

A 20% lighter version of the original color is **FFE966**, and **C17D00** is the 20% darker color. If you saturate the color by 10%, you get **FFA813**, and if you desaturate by 10%, it is **FFBA46**.

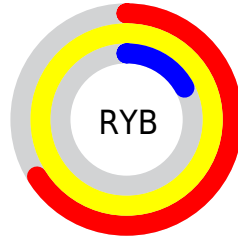
# Distribution



Red (100%)

Green (69%)

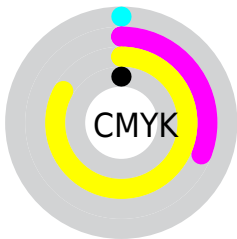
Blue (17%)



Red (66%)

Yellow (100%)

Blue (17%)

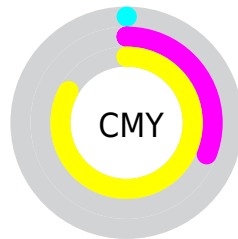


Cyan (0%)

Magenta (31%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FFB12C 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 FFB12C by changing the saturation by 10% instead.



 FFB12C

 FFB12C

FFFFFF

 E09600

 FFE966

 C17D00

 FFFF82

 A26400

 FFFF9E

 854C00

 FFFFBA

 673500

 FFFFD7

 4B1F00

 FFFFF5

 310A00

 140000

 000000

 FFB12C

 FFB12C

 FFA813

 FFBA46

 FFA100

 FFC45F

 FFCD79

 FFD792

 FFE0AC

 FFEAC5

 FFF3DF

 FFFCF8

FFFFFF

# Harmonies

## Analogous

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



FF945E



FFB12C



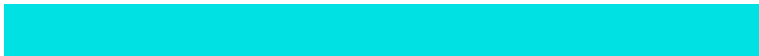
C1C826

# Triad

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



FFB12C



00E1E4



F39DFF

# Complementary

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



FFB12C



2C7AFF

# 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.



7EBBFF



FFB12C



00DEFF

# Square

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



FFB12C



00DF9C



00D2FF



FF82E4

# Rectangle

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



FFB12C



8ED345



00D2FF



D4A8FF



# Sweetspot

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



FFB12C



FFE7BF



FF2C7D



807159



000000



808080



# Same Dimension

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



FFB12C



FFA203



E6FF2C



807B73



BF7900



402800



# Inverse Universe

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



2C7AFF



0360FF



452CFF



737780



0047BF



001840



# Previews

## White Background



This preview shows how the Hex color FFB12C looks on a white background.

## Color Contrast Check

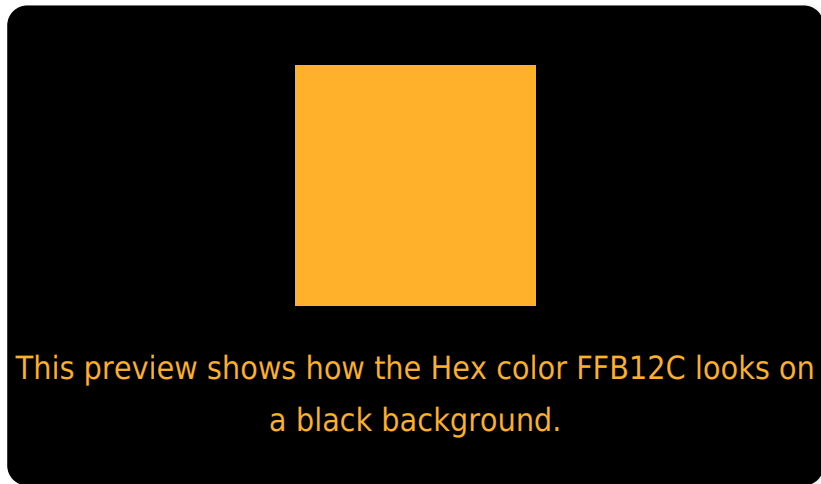
Large Text (above 18pt) WCAG AA × Fail

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 FFB12C Background



This preview shows how black text looks on a background with the Hex color FFB12C.

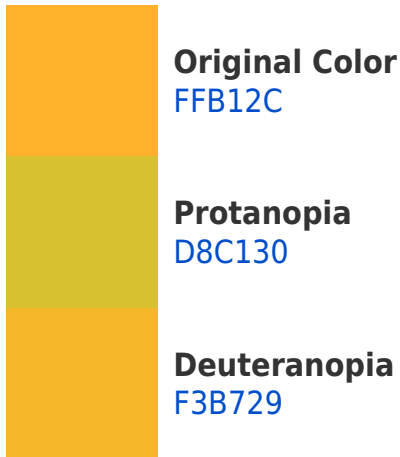


This preview shows how white text looks on a background with the Hex color FFB12C.

# 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](#).

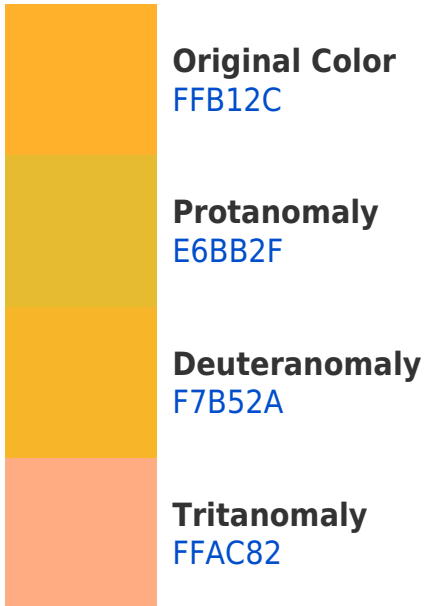
## Dichromacy



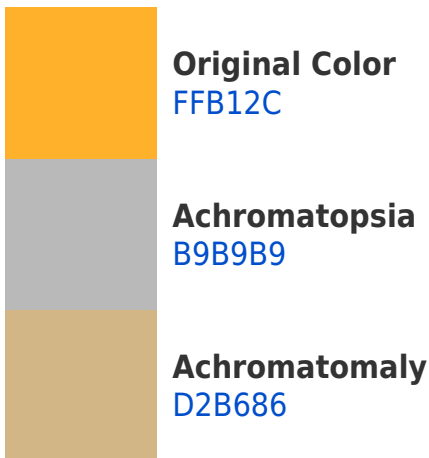


**Tritanopia**  
FFA9B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex FFB12C 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 #FFB12C looks like.

```
.text, #text, p{  
    color:#FFB12C  
}
```

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 #FFB12C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FFB12C  
}
```

## Border

The CSS property to change the border of an element to Hex FFB12C 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  
#FFB12C }
```

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

```
.border{ border-color:#FFB12C }
```

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

Here you see how a box with a 4 pixel #FFB12C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FFB12C; -webkit-box-shadow:4px 4px  
4px 4px #FFB12C; box-shadow:4px 4px 4px  
4px #FFB12C }
```

# Background

The CSS property to change the background color of an element to Hex FFB12C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FFB12C }
```

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

```
.background{ background-color:#FFB12C }
```

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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