

# Converting Colors

Hex(FFB049)

Have a look what the booklet for  
Hex(FFB049) contains.

<b>Hex(FFB049)</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(FFB049)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB049
RGB	255, 176, 73
RGB Percent	100%, 69%, 29%
CMY	0.0000, 0.3098, 0.7137
CMYK	0.00, 0.31, 0.71, 0.00
HSL	34°, 100%, 64%
HSV	34°, 71%, 100%
XYZ	57.9679, 52.7917, 13.4379
YIQ	187.8790, 80.1470, -15.2850

# Conversions

## Conversions Part 2

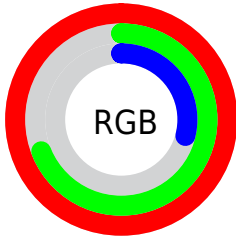
Format	Color
R <sub>Y</sub> B	213, 255, 73
Decimal	16756809
CIE Lab	77.75, 19.92, 62.07
CIE LCh	78, 65.183, 72.208
Yxy	52.7917, 0.4667, 0.4251
Android (android.graphics.Color)	4294946889 (0xFFFFB049)
YUV	187.8790, -56.6353, 58.8651
Hunter-Lab	72.6579, 15.2596, 39.8950

# Details

The Hex color **FFB049** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **4998FF**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **FFE87F**, and **C17B0C** is the 20% darker color. If you saturate the color by 10%, you get **FFA530**, and if you desaturate by 10%, it is **FFBB62**.

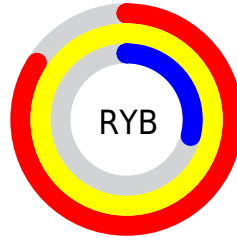
# Distribution



Red (100%)

Green (69%)

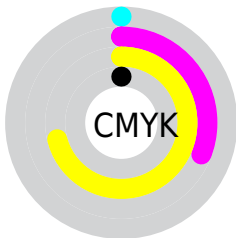
Blue (29%)



Red (84%)

Yellow (100%)

Blue (29%)

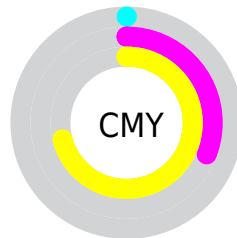


Cyan (0%)

Magenta (31%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FFB049 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 FFB049 by changing the saturation by 10% instead.



 FFB049

 FFB049

FFFFFF

 E0952E

 FFE87F

 C17B0C

 FFFF9A

 A36200

 FFFFB6

 864A00

 FFFFDD

 693400

 FFFFEE

 4D1E00

 320900

 160000

 000000

■ FFB049

■ FFB049

■ FFA530

■ FFBB62

■ FF9A16

■ FFC67C

■ FF9000

■ FFD195

■ FFDCAF

■ FFE7C9

■ FFF2E2

■ FFFDFB

FFFFFF

# Harmonies

## Analogous

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



FF9972



FFB049



CAC541

# Triad

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



FFB049



00DED8



E4A6FF

# Complementary

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



FFB049



4998FF

# 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.



7EBEFF



FFB049



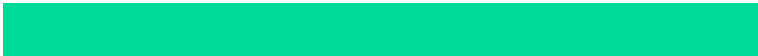
00DBFF

# Square

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



FFB049



00DB99



00D1FF



FF90E7

# Rectangle

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



FFB049



9FCF53



00D1FF



C8AEFF

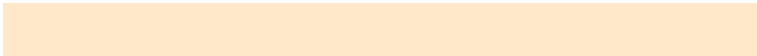


# Sweetspot

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



FFB049



FFE8C9



FF499B



807260



000000



808080



# Same Dimension

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



FFB049



FFA024



F6FF49



807A73



BF6C00

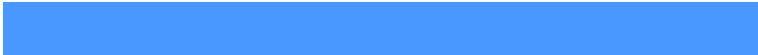


402400



# Inverse Universe

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



4998FF



2483FF



5249FF



737880



0053BF



001C40



# Previews

## White Background



This preview shows how the Hex color FFB049 looks on a white background.

## Color Contrast Check

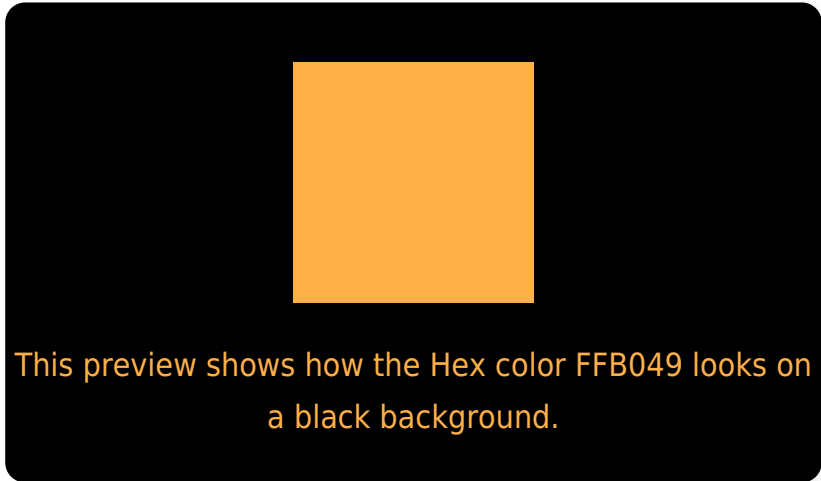
Large Text (above 18pt) WCAG AA × Fail

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 FFB049 Background



This preview shows how black text looks on a background with the Hex color FFB049.



This preview shows how white text looks on a background with the Hex color FFB049.

# 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](#).

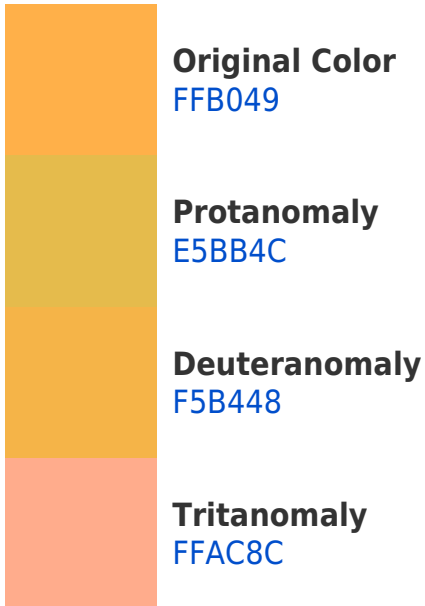
## Dichromacy



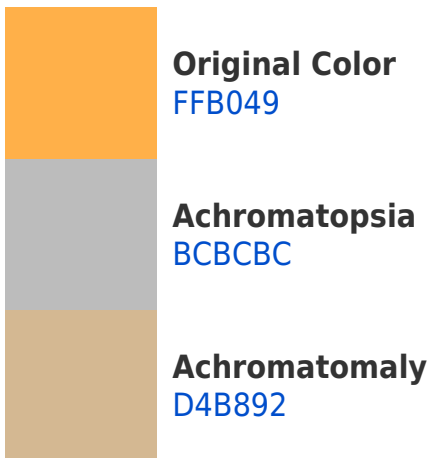


**Tritanopia**  
FFA9B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex FFB049 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 #FFB049 looks like.

```
.text, #text, p{  
    color:#FFB049  
}
```

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 #FFB049 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FFB049
}
```

## Border

The CSS property to change the border of an element to Hex FFB049 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
#FFB049 }
```

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

```
.border{ border-color:#FFB049 }
```

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

Here you see how a box with a 4 pixel #FFB049 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FFB049; -webkit-box-shadow:4px 4px  
4px 4px #FFB049; box-shadow:4px 4px 4px  
4px #FFB049 }
```

# Background

The CSS property to change the background color of an element to Hex FFB049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FFB049 }
```

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

```
.background{ background-color:#FFB049 }
```

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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