

Converting Colors

Hex(FFB031)

Have a look what the booklet for
Hex(FFB031) contains.

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Color

Hex(FFB031)

Conversions

Conversions Part 1

Format	Color
Hex	FFB031
RGB	255, 176, 49
RGB Percent	100%, 69%, 19%
CMY	0.0000, 0.3098, 0.8078
CMYK	0.00, 0.31, 0.81, 0.00
HSL	37°, 100%, 60%
HSV	37°, 81%, 100%
XYZ	57.3197, 52.5324, 10.0244
YIQ	185.1430, 87.8510, -22.7490

Conversions

Conversions Part 2

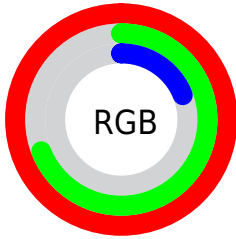
Format	Color
RYB	177, 255, 49
Decimal	16756785
CIELab	77.60, 18.99, 71.07
CIELCh	78, 73.562, 75.037
Yxy	52.5324, 0.4782, 0.4382
Android (android.graphics.Color)	4294946865 (0xFFFFB031)
YUV	185.1430, -67.1185, 61.2646
Hunter-Lab	72.4793, 14.3268, 42.5352

Details

The Hex color **FFB031** 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 **3180FF**, and the grayscale version is **BABABA**.

A 20% lighter version of the original color is **FFE86A**, and **C17C00** is the 20% darker color. If you saturate the color by 10%, you get **FFA618**, and if you desaturate by 10%, it is **FFBA4B**.

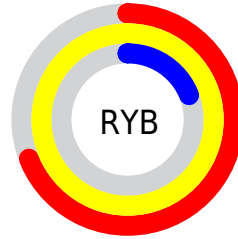
Distribution



Red (100%)

Green (69%)

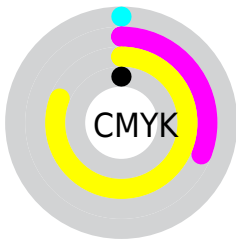
Blue (19%)



Red (69%)

Yellow (100%)

Blue (19%)

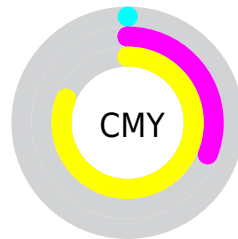


Cyan (0%)

Magenta (31%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color FFB031 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 FFB031 by changing the saturation by 10% instead.

 FFB031

 FFB031

FFFFFF

 E09509

 FFE86A

 C17C00

 FFFF86

 A26300

 FFFFA1

 854B00

 FFFFBE

 673400

 FFFFDB

 4B1E00

 FFFFF8

 310900

 140000

 000000

 FFB031

 FFB031

 FFA618

 FFBA4B

 FF9D00

 FFC464

 FFCD7E

 FFD797

 FFE1B1

 FFEBCA

 FFF4E4

FFFEFD

FFFFFF

Harmonies

Analogous

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



FF9461



FFB031



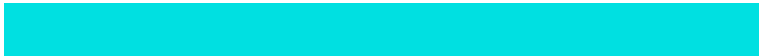
C2C72A

Triad

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



FFB031



00E0E1



EF9EFF

Complementary

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



FFB031



3180FF

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.



7BBCFF



FFB031



00DDFF

Square

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



FFB031



00DE9A



00D1FF



FF84E5

Rectangle

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



FFB031



91D246



00D1FF



D1A9FF

Sweetspot

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



FFB031



FFE8C2



FF3183



80715B



000000



808080

Same Dimension

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



FFB031



FFA008



EAFF31



807B73



BF7600



402700

Inverse Universe

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



3180FF



0867FF



4631FF



737880



0049BF



001840

Previews

White Background



This preview shows how the Hex color FFB031 looks on a white background.

Color Contrast Check

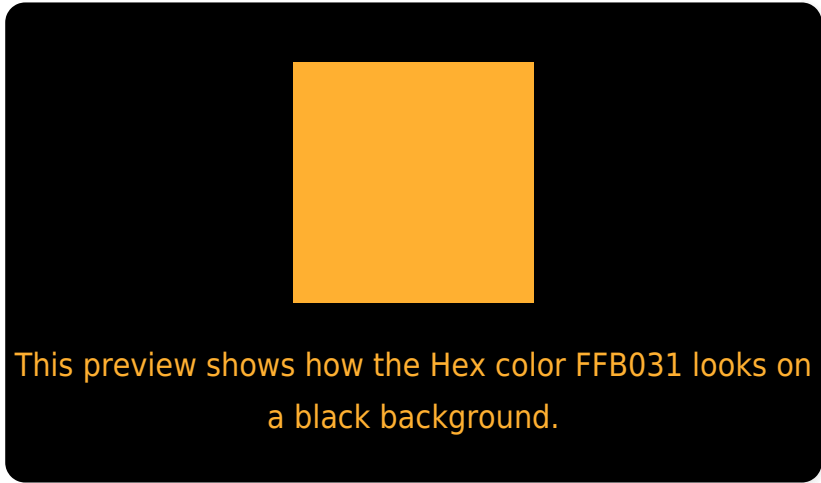
Large Text (above 18pt) WCAG AA × Fail

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 FFB031 Background



This preview shows how black text looks on a background with the Hex color FFB031.



This preview shows how white text looks on a background with the Hex color FFB031.

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



Original Color
FFB031

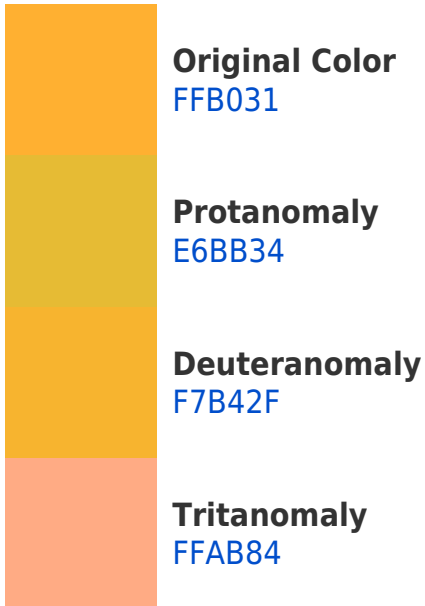
Protanopia
D8C135

Deuteranopia
F2B62E

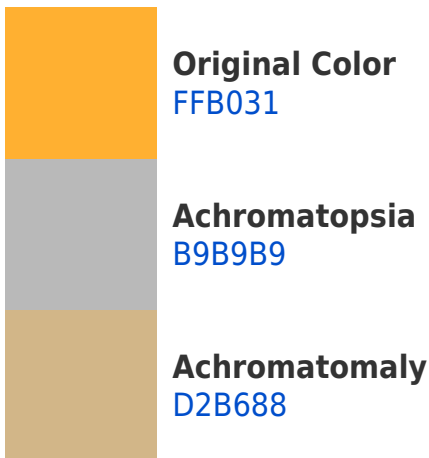


Tritanopia
FFA8B3

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex FFB031 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 #FFB031 looks like.

```
.text, #text, p{  
  color:#FFB031  
}
```

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 #FFB031 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FFB031
}
```

Border

The CSS property to change the border of an element to Hex FFB031 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
#FFB031 }
```

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

```
.border{ border-color:#FFB031 }
```

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

Here you see how a box with a 4 pixel #FFB031 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FFB031; -webkit-box-shadow:4px 4px  
4px 4px #FFB031; box-shadow:4px 4px 4px  
4px #FFB031 }
```

Background

The CSS property to change the background color of an element to Hex FFB031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FFB031 }
```

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

```
.background{ background-color:#FFB031 }
```

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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