

# Converting Colors

Hex(F0BB30)

Have a look what the booklet for  
Hex(F0BB30) contains.

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# **Color**

**Hex(F0BB30)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0BB30
RGB	240, 187, 48
RGB Percent	94%, 73%, 19%
CMY	0.0588, 0.2667, 0.8118
CMYK	0.00, 0.22, 0.80, 0.06
HSL	43°, 86%, 56%
HSV	43°, 80%, 94%
XYZ	54.2390, 54.2793, 10.4146
YIQ	187.0010, 76.2070, -31.9930

# Conversions

## Conversions Part 2

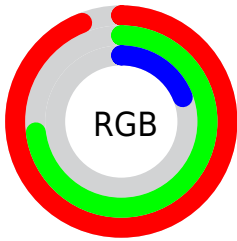
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 240, 48
Decimal	15776560
CIE <sub>Lab</sub>	78.62, 6.86, 71.68
CIE <sub>LCh</sub>	79, 72.008, 84.531
Yxy	54.2793, 0.4560, 0.4564
Android (android.graphics.Color)	4293966640 (0xFFFF0BB30)
YUV	187.0010, -68.5275, 46.4801
Hunter-Lab	73.6745, 2.4809, 43.1910

# Details

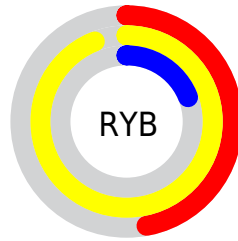
The Hex color **F0BB30** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **3065F0**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **FFF36A**, and **B38600** is the 20% darker color. If you saturate the color by 10%, you get **F0B418**, and if you desaturate by 10%, it is **F0C248**.

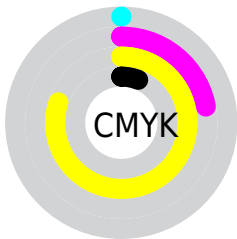
# Distribution



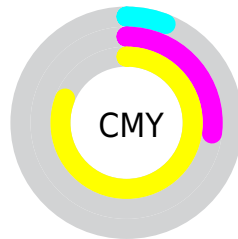
- Red (94%)
- Green (73%)
- Blue (19%)



- Red (47%)
- Yellow (94%)
- Blue (19%)



- Cyan (0%)
- Magenta (22%)
- Yellow (80%)
- Black (6%)



- Cyan (6%)
- Magenta (27%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F0BB30 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 F0BB30 by changing the saturation by 10% instead.



 F0BB30

 F0BB30

FFFFFF

 D1A004

 FFF36A

 B38600

 FFFF86

 966D00

 FFFFA2

 795500

 FFFFBE

 5C3E00

 FFFFDB

 412900

 FFFFF9

 281500

 020000

 000000

 F0BB30

 F0BB30

 F0B418

 F0C248

 F0AE00

 F0C860

 F0CF78

 F0D590

 F0DCA8

 F0E3C0

 F0E9D8

 F0F0F0

 F0F7FF

# Harmonies

## Analogous

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



FFA155



F0BB30



B0CF3D

# Triad

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



F0BB30



00E2F8



FF99FF

# Complementary

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



F0BB30



3065F0

# 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.



AEB6FF



F0BB30



00DCFF

# Square

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



F0BB30



00E2B4



00CEFF



FF85D2

# Rectangle

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



F0BB30



7AD85D



00CEFF



F0A3FF



# Sweetspot

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



F0BB30



FFEEC2



F03066



80755B



000000



808080



# Same Dimension

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



F0BB30



FFBB0A



C6F030



78756C



B88500



382900



# Inverse Universe

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



3065F0



0A4EFF



5A30F0



6C6F78



0033B8



000F38



# Previews

## White Background



This preview shows how the Hex color F0BB30 looks on a white background.

## Color Contrast Check

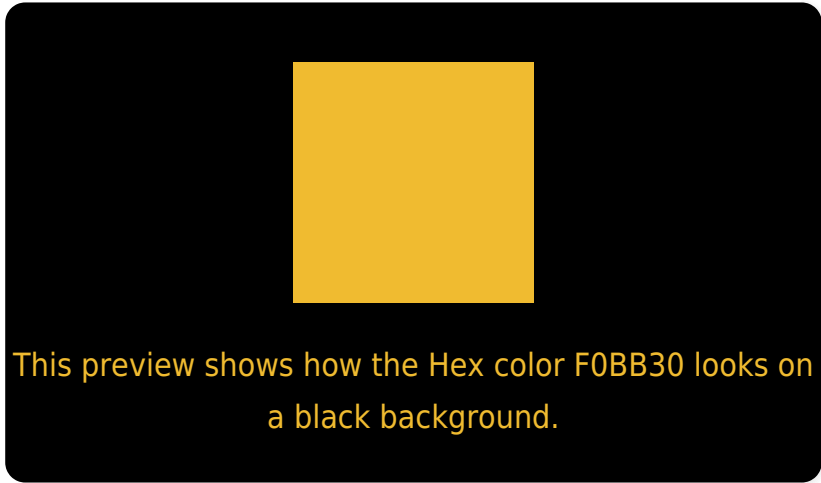
Large Text (above 18pt) WCAG AA × Fail

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 F0BB30 Background



This preview shows how black text looks on a background with the Hex color F0BB30.



This preview shows how white text looks on a background with the Hex color F0BB30.

# 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**  
F0BB30

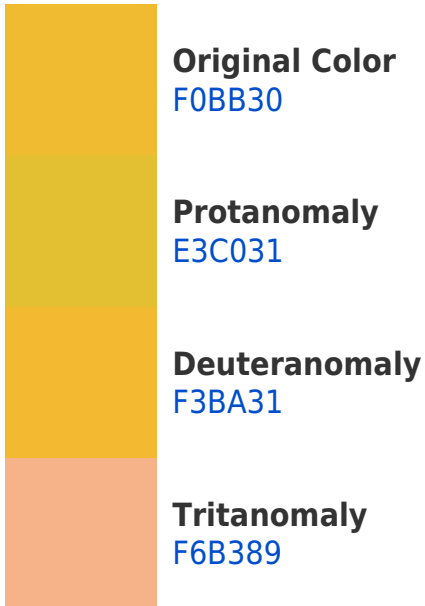
**Protanopia**  
DBC332

**Deuteranopia**  
F5B931



**Tritanopia**  
F9AEBC

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex F0BB30 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 #F0BB30 looks like.

```
.text, #text, p{  
    color:#F0BB30  
}
```

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 #F0BB30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F0BB30
}
```

## Border

The CSS property to change the border of an element to Hex F0BB30 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
#F0BB30 }
```

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

```
.border{ border-color:#F0BB30 }
```

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

Here you see how a box with a 4 pixel #F0BB30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F0BB30; -webkit-box-shadow:4px 4px  
4px 4px #F0BB30; box-shadow:4px 4px 4px  
4px #F0BB30 }
```

# Background

The CSS property to change the background color of an element to Hex F0BB30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F0BB30 }
```

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

```
.background{ background-color:#F0BB30 }
```

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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