

# Converting Colors

Hex(F0B631)

Have a look what the booklet for  
Hex(F0B631) contains.

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# **Color**

**Hex(F0B631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0B631
RGB	240, 182, 49
RGB Percent	94%, 71%, 19%
CMY	0.0588, 0.2863, 0.8078
CMYK	0.00, 0.24, 0.80, 0.06
HSL	42°, 86%, 57%
HSV	42°, 80%, 94%
XYZ	53.2175, 52.2029, 10.1770
YIQ	184.1800, 77.2610, -29.0670

# Conversions

## Conversions Part 2

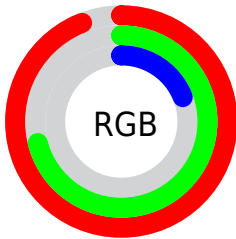
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 240, 49
Decimal	15775281
CIE <sub>Lab</sub>	77.40, 9.51, 70.27
CIE <sub>LCh</sub>	77, 70.914, 82.292
Yxy	52.2029, 0.4604, 0.4516
Android (android.graphics.Color)	4293965361 (0xFFFF0B631)
YUV	184.1800, -66.6437, 48.9541
Hunter-Lab	72.2516, 5.0354, 42.2248

# Details

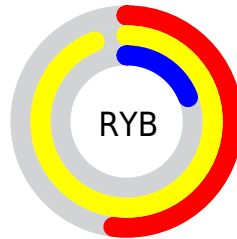
The Hex color **F0B631** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **316BF0**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **FFEE6A**, and **B38100** is the 20% darker color. If you saturate the color by 10%, you get **F0AF19**, and if you desaturate by 10%, it is **F0BD49**.

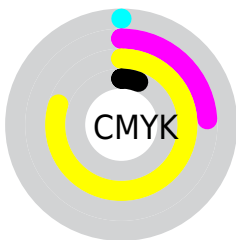
# Distribution



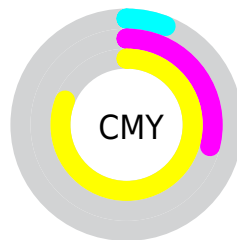
- Red (94%)
- Green (71%)
- Blue (19%)



- Red (52%)
- Yellow (94%)
- Blue (19%)



- Cyan (0%)
- Magenta (24%)
- Yellow (80%)
- Black (6%)



- Cyan (6%)
- Magenta (29%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F0B631 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 F0B631 by changing the saturation by 10% instead.



 F0B631

 F0B631

FFFFFF

 D19B09

 FFEE6A

 B38100

 FFFF86

 956900

 FFFFA2

 785100

 FFFFBE

 5C3A00

 FFFFDB

 412500

 FFFFF9

 271100

 000000

 F0B631

 F0B631

 F0AF19

 F0BD49

 F0A701

 F0C561

 F0A700

 F0CC79

 F0D391

 F0DAA9

 F0E2C1

 F0E9D9

 F0F0F1

 F0F8FF

# Harmonies

## Analogous

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



FF9C58



F0B631



B2CA39

# Triad

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



F0B631



00DFEF



FF99FF

# Complementary

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



F0B631



316BF0

# 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.



A2B5FF



F0B631



00D9FF

# Square

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



F0B631



00DEAB



00CCFF



FF83D3

# Rectangle

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



F0B631



7FD458



00CCFF



E5A2FF

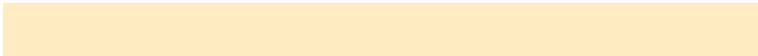


# Sweetspot

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



F0B631



FFECC2



F0316D



80745B



000000



808080



# Same Dimension

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



F0B631



FFB50A



CDF031



78746C



B88000



382700



# Inverse Universe

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



316BF0



0A55FF



5431F0



6C7078



0038B8



001138



# Previews

## White Background



This preview shows how the Hex color F0B631 looks on a white background.

## Color Contrast Check

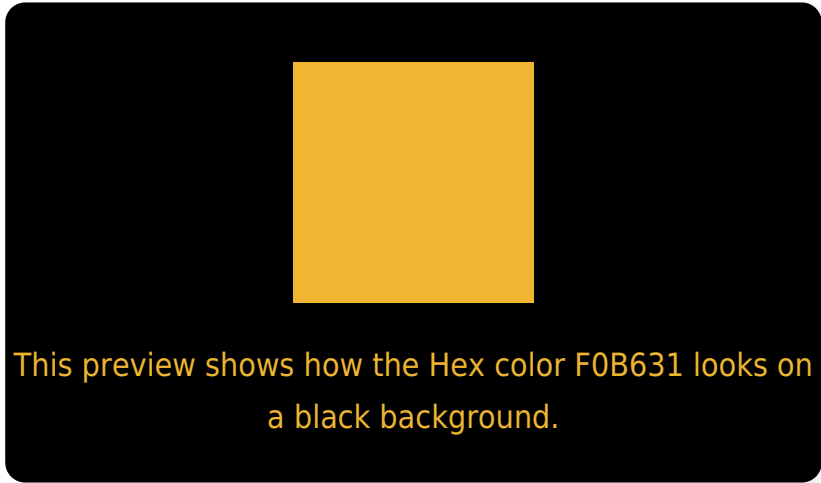
Large Text (above 18pt) WCAG AA × Fail

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 F0B631 Background



This preview shows how black text looks on a background with the Hex color F0B631.



This preview shows how white text looks on a background with the Hex color F0B631.

# 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**  
F0B631

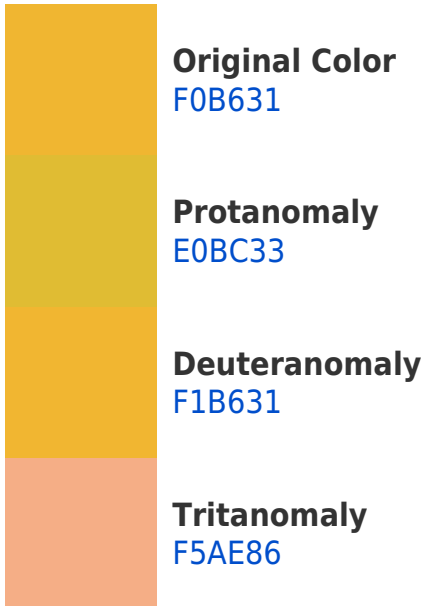
**Protanopia**  
D7C034

**Deuteranopia**  
F1B631



**Tritanopia**  
F8AAB7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex F0B631 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 #F0B631 looks like.

```
.text, #text, p{  
    color:#F0B631  
}
```

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 #F0B631 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F0B631
}
```

## Border

The CSS property to change the border of an element to Hex F0B631 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
#F0B631 }
```

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

```
.border{ border-color:#F0B631 }
```

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

Here you see how a box with a 4 pixel #F0B631 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F0B631; -webkit-box-shadow:4px 4px  
4px 4px #F0B631; box-shadow:4px 4px 4px  
4px #F0B631 }
```

# Background

The CSS property to change the background color of an element to Hex F0B631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F0B631 }
```

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

```
.background{ background-color:#F0B631 }
```

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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