

# Converting Colors

Hex(F0A033)

Have a look what the booklet for  
Hex(F0A033) contains.

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**Color**

**Hex(F0A033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0A033
RGB	240, 160, 51
RGB Percent	94%, 63%, 20%
CMY	0.0588, 0.3725, 0.8000
CMYK	0.00, 0.33, 0.79, 0.06
HSL	35°, 86%, 57%
HSV	35°, 79%, 94%
XYZ	49.1035, 43.9059, 9.0186
YIQ	171.4940, 82.6690, -16.9390

# Conversions

## Conversions Part 2

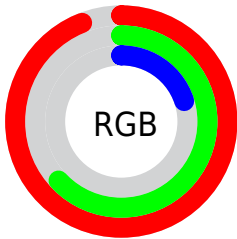
Format	Color
<a href="#">RYB</a>	<a href="#">190, 240, 51</a>
Decimal	<a href="#">15769651</a>
CIELab	<a href="#">72.17, 21.18, 64.83</a>
CIELCh	<a href="#">72, 68.199, 71.910</a>
Yxy	<a href="#">43.9059, 0.4813, 0.4303</a>
Android (android.graphics.Color)	<a href="#">4293959731 (0xFFFF0A033)</a>
YUV	<a href="#">171.4940, -59.4035, 60.0798</a>
Hunter-Lab	<a href="#">66.2615, 16.3209, 38.3133</a>

# Details

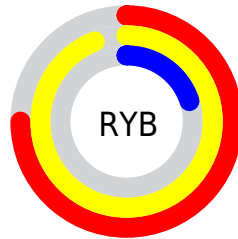
The Hex color **F0A033** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **3383F0**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **FFD76A**, and **B36C00** is the 20% darker color. If you saturate the color by 10%, you get **F0961B**, and if you desaturate by 10%, it is **F0AA4B**.

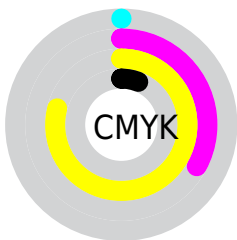
# Distribution



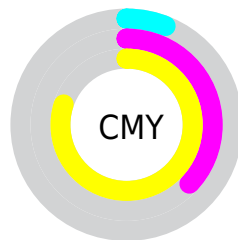
- Red (94%)
- Green (63%)
- Blue (20%)



- Red (75%)
- Yellow (94%)
- Blue (20%)



- Cyan (0%)
- Magenta (33%)
- Yellow (79%)
- Black (6%)



- Cyan (6%)
- Magenta (37%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F0A033 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 F0A033 by changing the saturation by 10% instead.



 F0A033

 F0A033

FFFFFF

 D18612

 FFD76A

 B36C00

 FFF385

 955400

 FFFFA0

 773D00

 FFFFBC

 5A2600

 FFFFD9

 3F1100

 FFFFF6

 270000

 000000

 F0A033

 F0A033

 F0961B

 F0AA4B

 F08C03

 F0B463

 F08A00

 F0BE7B

 F0C993

 F0D3AB

 F0DDC3

 F0E7DB

 F0F1F3

 F0FBFF

# Harmonies

## Analogous

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



FF8760



F0A033



BAB627

# Triad

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



F0A033



00CFC9



D496FF

# Complementary

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



F0A033



3383F0

# 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.



62B0FF



F0A033



00CCFF

# Square

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



F0A033



00CC88



00C2FF



FF7DD9

# Rectangle

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



F0A033



8EC03E



00C2FF



B79FFF



# Sweetspot

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



F0A033



FFE5C2



F03385



80705B



000000



808080



# Same Dimension

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



F0A033



FF980D



E3F033



78736C



B86A00



382000



# Inverse Universe

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



3383F0



0D73FF



4033F0



6C7178



004EB8



001838



# Previews

## White Background



This preview shows how the Hex color F0A033 looks on a white background.

## Color Contrast Check

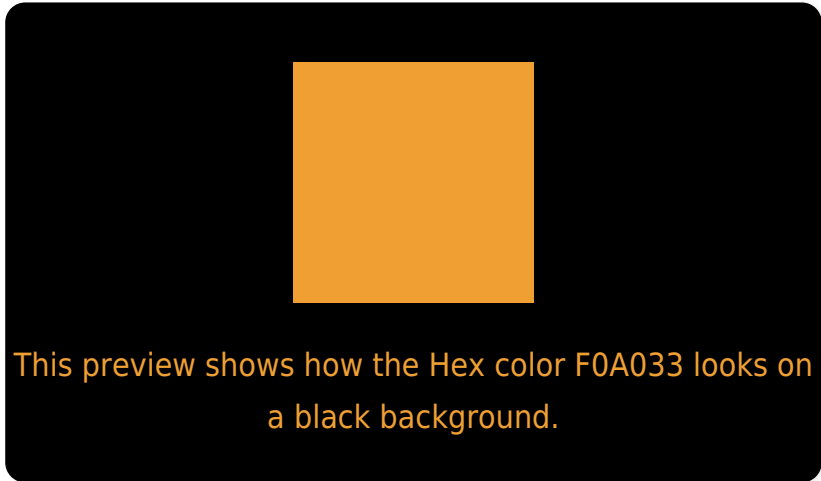
Large Text (above 18pt) WCAG AA × Fail

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 F0A033 Background



This preview shows how black text looks on a background with the Hex color F0A033.

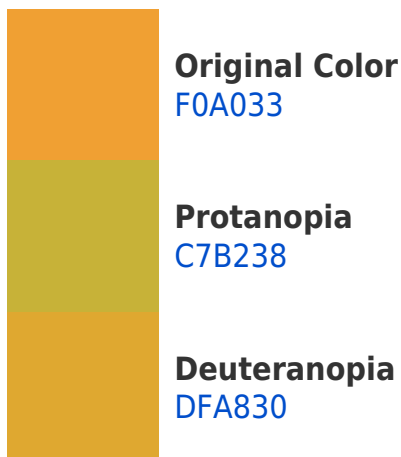


This preview shows how white text looks on a background with the Hex color F0A033.

# 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**  
F696A1

# Trichromacy



**Original Color**  
F0A033

**Protanomaly**  
D6AB36

**Deuteranomaly**  
E5A531

**Tritanomaly**  
F49A79

# Monochromacy



**Original Color**  
F0A033

**Achromatopsia**  
ABABAB

**Achromatomaly**  
C4A77F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex F0A033 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 #F0A033 looks like.

```
.text, #text, p{  
    color:#F0A033  
}
```

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 #F0A033 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F0A033
}
```

## Border

The CSS property to change the border of an element to Hex F0A033 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
#F0A033 }
```

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

```
.border{ border-color:#F0A033 }
```

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

Here you see how a box with a 4 pixel #F0A033 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F0A033; -webkit-box-shadow:4px 4px  
4px 4px #F0A033; box-shadow:4px 4px 4px  
4px #F0A033 }
```

# Background

The CSS property to change the background color of an element to Hex F0A033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F0A033 }
```

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

```
.background{ background-color:#F0A033 }
```

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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