

# Converting Colors

Hex(F46A21)

Have a look what the booklet for  
Hex(F46A21) contains.

<b>Hex(F46A21)</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(F46A21)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F46A21
RGB	244, 106, 33
RGB Percent	96%, 42%, 13%
CMY	0.0431, 0.5843, 0.8706
CMYK	0.00, 0.57, 0.86, 0.04
HSL	21°, 91%, 54%
HSV	21°, 86%, 96%
XYZ	42.7368, 29.6510, 4.9096
YIQ	138.9400, 105.6810, 6.5530

# Conversions

## Conversions Part 2

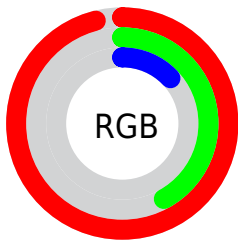
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 145, 33
Decimal	16017953
CIE <sub>Lab</sub>	61.35, 49.64, 62.18
CIE <sub>LCh</sub>	61, 79.563, 51.399
Yxy	29.6510, 0.5529, 0.3836
Android (android.graphics.Color)	4294208033 (0xFFFF46A21)
YUV	138.9400, -52.2284, 92.1376
Hunter-Lab	54.4527, 44.8021, 32.7712

# Details

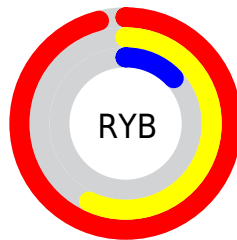
The Hex color **F46A21** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **21ABF4**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **FFA156**, and **B43400** is the 20% darker color. If you saturate the color by 10%, you get **F45A09**, and if you desaturate by 10%, it is **F47A39**.

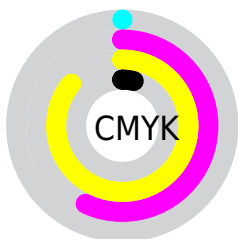
# Distribution



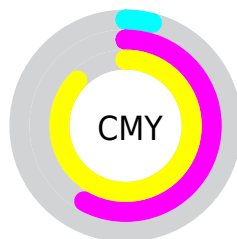
- Red (96%)
- Green (42%)
- Blue (13%)



- Red (96%)
- Yellow (57%)
- Blue (13%)



- Cyan (0%)
- Magenta (57%)
- Yellow (86%)
- Black (4%)



- Cyan (4%)
- Magenta (58%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F46A21 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 F46A21 by changing the saturation by 10% instead.



 F46A21

 F46A21

FFFFFF

 D44F00

 FFA156

 B43400

 FFBD70

 941400

 FFD98B

 750000

 FFF6A6

 570000

 FFFFC2

 3C0002

 FFFFDE

 190001

 FFFFFC

 000000

 F46A21

 F46A21

 F45A09

 F47A39

 F45400

 F48A52

 F49A6A

 F4AA83

 F4BA9B

 F4CAB3

 F4DACC

 F4EAE4

 F4FAFD

# Harmonies

## Analogous

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



FF4866



F46A21



C38A00

# Triad

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



F46A21



00B27D



5E8AFF

# Complementary

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



F46A21



21ABF4

# 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.



00A3FF



F46A21



00B3C6

# Square

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



F46A21



00AC32



00AFFF



D367ED

# Rectangle

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



F46A21



9A9A00



00AFFF



0094FF



# Sweetspot

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



F46A21



FFD4BD



F421AE



806658



000000



808080



# Same Dimension

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



F46A21



FF5800



F4D121



7A726E



BA4000



3B1400



# Inverse Universe

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



21ABF4



00A7FF



2144F4



6E767A



007ABA



00263B



# Previews

## White Background



This preview shows how the Hex color F46A21 looks on a white background.

## Color Contrast Check

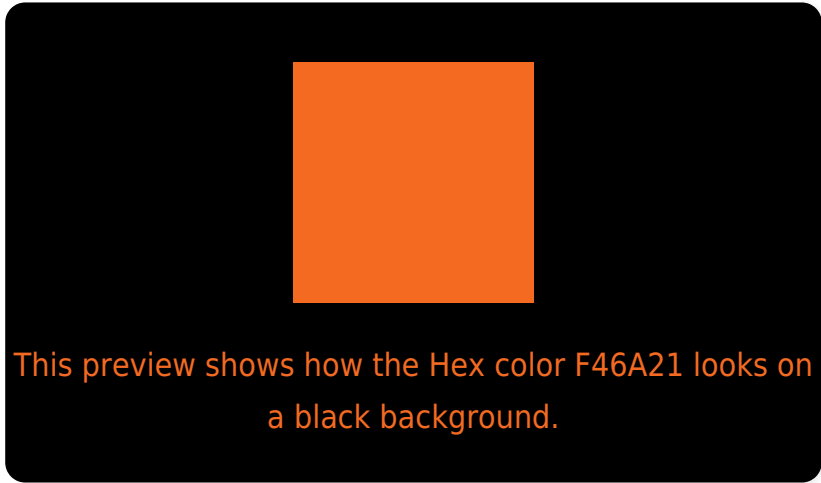
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex F46A21 Background



This preview shows how black text looks on a background with the Hex color F46A21.



This preview shows how white text looks on a background with the Hex color F46A21.

# 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**  
F46A21

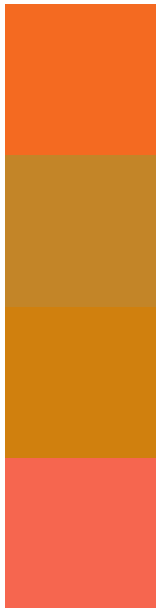
**Protanopia**  
A7952C

**Deuteranopia**  
BC8D03



**Tritanopia**  
F76369

# Trichromacy



**Original Color**  
F46A21

**Protanomaly**  
C38528

**Deuteranomaly**  
D0800E

**Tritanomaly**  
F6664F

# Monochromacy



**Original Color**  
F46A21

**Achromatopsia**  
8B8B8B

**Achromatomaly**  
B17F64

# CSS Examples

## Text

The CSS property to change the color of the text to Hex F46A21 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 #F46A21 looks like.

```
.text, #text, p{  
    color:#F46A21  
}
```

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 #F46A21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F46A21
}
```

## Border

The CSS property to change the border of an element to Hex F46A21 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
#F46A21 }
```

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

```
.border{ border-color:#F46A21 }
```

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

Here you see how a box with a 4 pixel #F46A21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F46A21; -webkit-box-shadow:4px 4px  
4px 4px #F46A21; box-shadow:4px 4px 4px  
4px #F46A21 }
```

# Background

The CSS property to change the background color of an element to Hex F46A21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F46A21 }
```

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

```
.background{ background-color:#F46A21 }
```

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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