

# Converting Colors

Hex(F78D0E)

Have a look what the booklet for  
Hex(F78D0E) contains.

<b>Hex(F78D0E)</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(F78D0E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F78D0E
RGB	247, 141, 14
RGB Percent	97%, 55%, 5%
CMY	0.0314, 0.4471, 0.9451
CMYK	0.00, 0.43, 0.94, 0.03
HSL	33°, 94%, 51%
HSV	33°, 94%, 97%
XYZ	47.9619, 38.8556, 5.3875
YIQ	158.2160, 103.9430, -17.0250

# Conversions

## Conversions Part 2

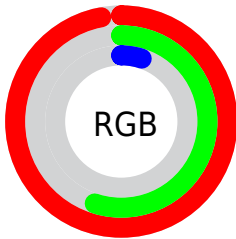
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	208, 247, 14
Decimal	16223502
CIE Lab	68.65, 33.21, 72.52
CIE LCh	69, 79.761, 65.394
Yxy	38.8556, 0.5202, 0.4214
Android (android.graphics.Color)	4294413582 (0xFFFF78D0E)
YUV	158.2160, -71.0985, 77.8636
Hunter-Lab	62.3343, 28.2584, 38.5096

# Details

The Hex color **F78D0E** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **0E78F7**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **FFC34F**, and **B85A00** is the 20% darker color. If you saturate the color by 10%, you get **F78700**, and if you desaturate by 10%, it is **F79827**.

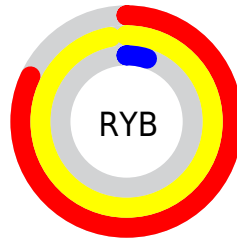
# Distribution



Red (97%)

Green (55%)

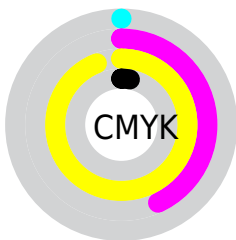
Blue (5%)



Red (82%)

Yellow (97%)

Blue (5%)

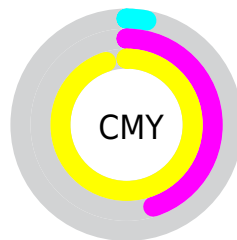


Cyan (0%)

Magenta (43%)

Yellow (94%)

Black (3%)



Cyan (3%)

Magenta (45%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F78D0E 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 F78D0E by changing the saturation by 10% instead.



 F78D0E

 F78D0E

FFFFFF

 D77300

 FFC34F

 B85A00

 FFDF6B

 994100

 FFFC87

 7A2900

 FFFFA3

 5D1000

 FFFFBF

 410000

 FFFFDC

 280001

 FFFFF9

 000000

 F78D0E

 F78D0E

 F78700

 F79827

 F7A33F

 F7AF58

 F7BA71

 F7C58A

 F7D0A2

 F7DCBB

 F7E7D4

 F7F2EC

# Harmonies

## Analogous

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



FF6C58



F78D0E



BDA900

# Triad

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



F78D0E



00C8B3



B88EFF

# Complementary

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



F78D0E



0E78F7

# 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.



00ACFF



F78D0E



00C7FA

# Square

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



F78D0E



00C468



00BFFF



FF6AE5

# Rectangle

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



F78D0E



8DB500



00BFFF



8D99FF



# Sweetspot

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



F78D0E



FFDFB8



F70E7B



806C54



000000



808080



# Same Dimension

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



F78D0E



FF8B00



EFF70E



7A756E



BA6500



3B2000



# Inverse Universe

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



0E78F7



0074FF



160EF7



6E747A



0055BA



001B3B



# Previews

## White Background



This preview shows how the Hex color F78D0E looks on a white background.

## Color Contrast Check

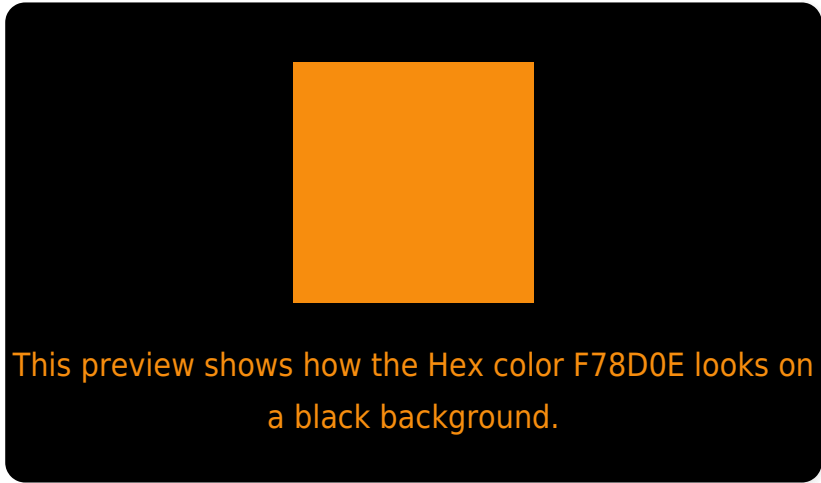
Large Text (above 18pt) WCAG AA × Fail

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 F78D0E Background



This preview shows how black text looks on a background with the Hex color F78D0E.



This preview shows how white text looks on a background with the Hex color F78D0E.

# 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**  
F78D0E

**Protanopia**  
BDA818

**Deuteranopia**  
D49F00



**Tritanopia**  
FC838D

# Trichromacy



**Original Color**  
F78D0E

**Protanomaly**  
D29E14

**Deuteranomaly**  
E19805

**Tritanomaly**  
FA875F

# Monochromacy



**Original Color**  
F78D0E

**Achromatopsia**  
9E9E9E

**Achromatomaly**  
BE986A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex F78D0E 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 #F78D0E looks like.

```
.text, #text, p{  
    color:#F78D0E  
}
```

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 #F78D0E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F78D0E
}
```

## Border

The CSS property to change the border of an element to Hex F78D0E 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
#F78D0E }
```

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

```
.border{ border-color:#F78D0E }
```

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

Here you see how a box with a 4 pixel #F78D0E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F78D0E; -webkit-box-shadow:4px 4px  
4px 4px #F78D0E; box-shadow:4px 4px 4px  
4px #F78D0E }
```

# Background

The CSS property to change the background color of an element to Hex F78D0E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F78D0E }
```

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

```
.background{ background-color:#F78D0E }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor