

# Converting Colors

Hex(E78534)

Have a look what the booklet for  
Hex(E78534) contains.

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**Color**

**Hex(E78534)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E78534
RGB	231, 133, 52
RGB Percent	91%, 52%, 20%
CMY	0.0941, 0.4784, 0.7961
CMYK	0.00, 0.42, 0.77, 0.09
HSL	27°, 79%, 55%
HSV	27°, 77%, 91%
XYZ	41.9624, 34.0119, 7.6021
YIQ	153.0680, 84.4090, -4.4150

# Conversions

## Conversions Part 2

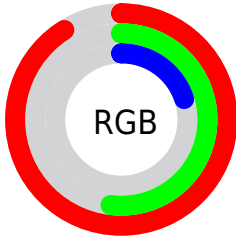
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 200, 52
Decimal	15172916
CIE <sub>Lab</sub>	64.97, 31.71, 57.25
CIE <sub>LCh</sub>	65, 65.446, 61.022
Yxy	34.0119, 0.5021, 0.4070
Android (android.graphics.Color)	4293362996 (0xFFE78534)
YUV	153.0680, -49.8265, 68.3464
Hunter-Lab	58.3197, 26.3752, 33.0952

# Details

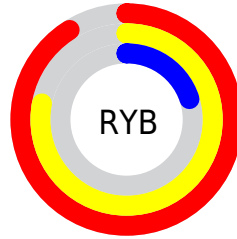
The Hex color **E78534** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **3496E7**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **FFBB68**, and **A95200** is the 20% darker color. If you saturate the color by 10%, you get **E7781D**, and if you desaturate by 10%, it is **E7924B**.

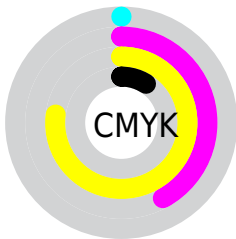
# Distribution



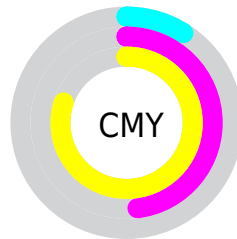
- Red (91%)
- Green (52%)
- Blue (20%)



- Red (91%)
- Yellow (78%)
- Blue (20%)



- Cyan (0%)
- Magenta (42%)
- Yellow (77%)
- Black (9%)



- Cyan (9%)
- Magenta (48%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E78534 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 E78534 by changing the saturation by 10% instead.



 E78534

 E78534

FFFFFF

 C86B18

 FFBB68

 A95200

 FFD782

 8B3A00

 FFF39D

 6E2200

 FFFFB9

 510800

 FFFFD5

 360000

 FFFFF2

 160000

 000000

 E78534

 E78534

 E7781D

 E7924B

 E76C06

 E79E62

 E76900

 E7AB79

 E7B890

 E7C4A8

 E7D1BF

 E7DED6

 E7EAED

 E7F7FF

# Harmonies

## Analogous

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



FF6E65



E78534



B99C14

# Triad

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



E78534



00B99E



A08DFE

# Complementary

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



E78534



3496E7

# 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.



00A4FF



E78534



00B8D9

# Square

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



E78534



0DB562



00B2FF



E673D7

# Rectangle

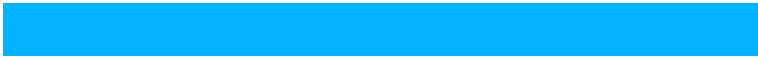
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



E78534



94A721



00B2FF



7C96FF



# Sweetspot

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



E78534



FFDFC4



E73496



806C5C



000000



808080



# Same Dimension

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



E78534



FF7D12



E7DE34



736C67



B35100



331700

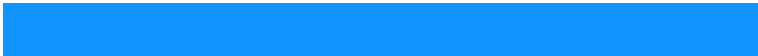


# Inverse Universe

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



3496E7



1294FF



343DE7



676E73



0062B3



001C33



# Previews

## White Background



This preview shows how the Hex color E78534 looks on a white background.

## Color Contrast Check

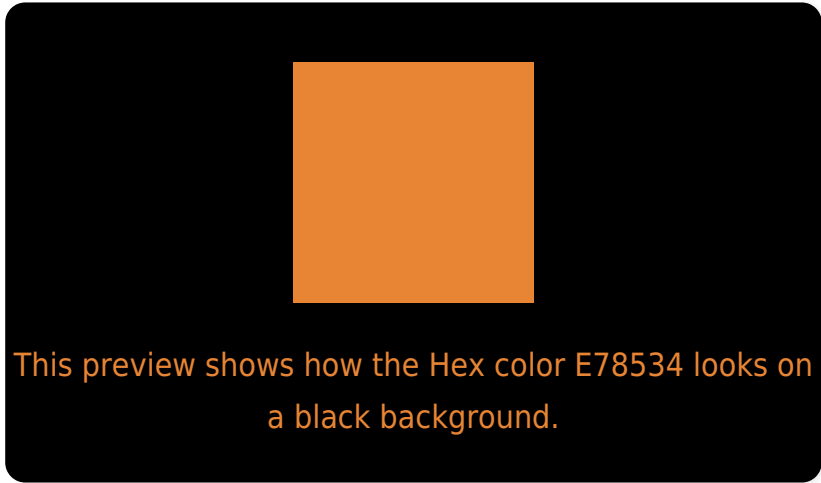
Large Text (above 18pt) WCAG AA × Fail

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

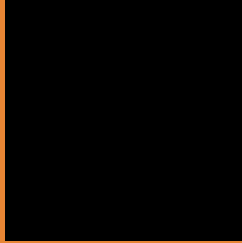
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex E78534 Background



This preview shows how black text looks on a background with the Hex color E78534.



This preview shows how white text looks on a background with the Hex color E78534.

# 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**  
E78534

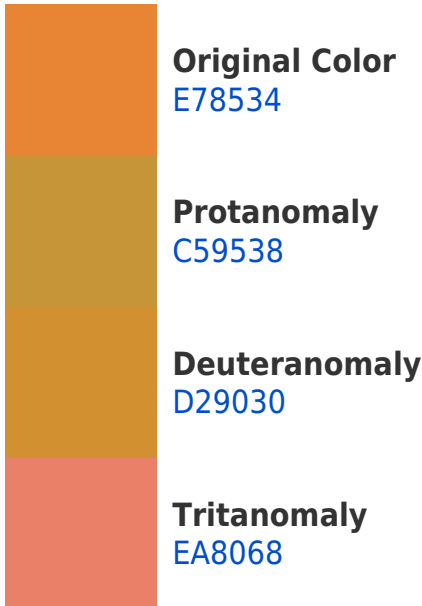
**Protanopia**  
B19E3B

**Deuteranopia**  
C6962E

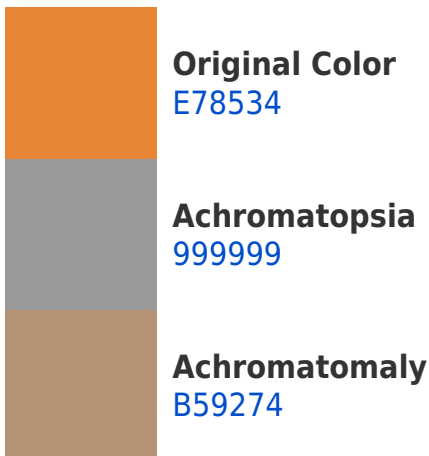


**Tritanopia**  
EB7D86

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex E78534 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 #E78534 looks like.

```
.text, #text, p{  
    color:#E78534  
}
```

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 #E78534 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E78534
}
```

## Border

The CSS property to change the border of an element to Hex E78534 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
#E78534 }
```

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

```
.border{ border-color:#E78534 }
```

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

Here you see how a box with a 4 pixel #E78534 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E78534; -webkit-box-shadow:4px 4px  
4px 4px #E78534; box-shadow:4px 4px 4px  
4px #E78534 }
```

# Background

The CSS property to change the background color of an element to Hex E78534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E78534 }
```

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

```
.background{ background-color:#E78534 }
```

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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