

# Converting Colors

Hex(EB7738)

Have a look what the booklet for  
Hex(EB7738) contains.

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# **Color**

**Hex(EB7738)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EB7738
RGB	235, 119, 56
RGB Percent	92%, 47%, 22%
CMY	0.0784, 0.5333, 0.7804
CMYK	0.00, 0.49, 0.76, 0.08
HSL	21°, 82%, 57%
HSV	21°, 76%, 92%
XYZ	41.5716, 31.1413, 7.5612
YIQ	146.5020, 89.3590, 4.9990

# Conversions

## Conversions Part 2

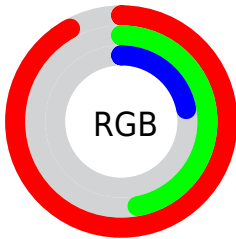
Format	Color
<a href="#">RYB</a>	<a href="#">235, 153, 56</a>
Decimal	<a href="#">15431480</a>
CIELab	<a href="#">62.63, 40.63, 53.36</a>
CIElCh	<a href="#">63, 67.065, 52.711</a>
Yxy	<a href="#">31.1413, 0.5179, 0.3879</a>
Android (android.graphics.Color)	<a href="#">4293621560</a> ( <a href="#">0xFFEB7738</a> )
YUV	<a href="#">146.5020, -44.6175, 77.6127</a>
Hunter-Lab	<a href="#">55.8044, 35.3161, 31.0296</a>

# Details

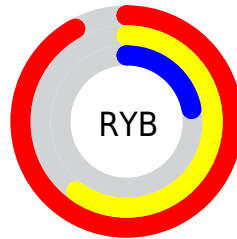
The Hex color **EB7738** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **38ACEB**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **FFAD6B**, and **AD4300** is the 20% darker color. If you saturate the color by 10%, you get **EB6821**, and if you desaturate by 10%, it is **EB864F**.

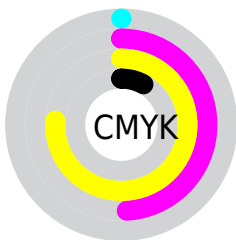
# Distribution



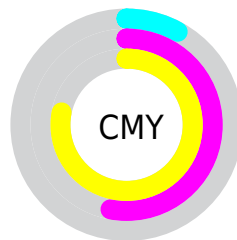
- Red (92%)
- Green (47%)
- Blue (22%)



- Red (92%)
- Yellow (60%)
- Blue (22%)



- Cyan (0%)
- Magenta (49%)
- Yellow (76%)
- Black (8%)



- Cyan (8%)
- Magenta (53%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color EB7738 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 EB7738 by changing the saturation by 10% instead.



 EB7738

 EB7738

FFFFFF

 CC5D1E

 FFAD6B

 AD4300

 FFC985

 8E2A00

 FFE5A0

 700C00

 FFFFBB

 530000

 FFFFD7

 380001

 FFFFF4

 140000

 000000

 EB7738

 EB7738

 EB6821

 EB864F

 EB5909

 EB9567

 EB5300

 EBA57E

 EBB496

 EBC3AE

 EBD2C5

 EBE2DD

 EBF1F4

 EBFFFF

# Harmonies

## Analogous

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



FF606D



EB7738



C19005

# Triad

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



EB7738



00B286



7A8EFF

# Complementary

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



EB7738



38ACEB

# 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



EB7738



00B3C4

# Square

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



EB7738



36AD4B



00AFF6



D173E0

# Rectangle

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



EB7738



9D9D02



00AFF6



4596FF



# Sweetspot

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



EB7738



FFD9C4



EB38AC



80685C



000000



808080



# Same Dimension

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



EB7738



FF6917



EBD038



756E6A



B54000



361300



# Inverse Universe

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



38ACEB



17ADFF



3853EB



6A7175



0075B5



002336



# Previews

## White Background



This preview shows how the Hex color EB7738 looks on a white background.

## Color Contrast Check

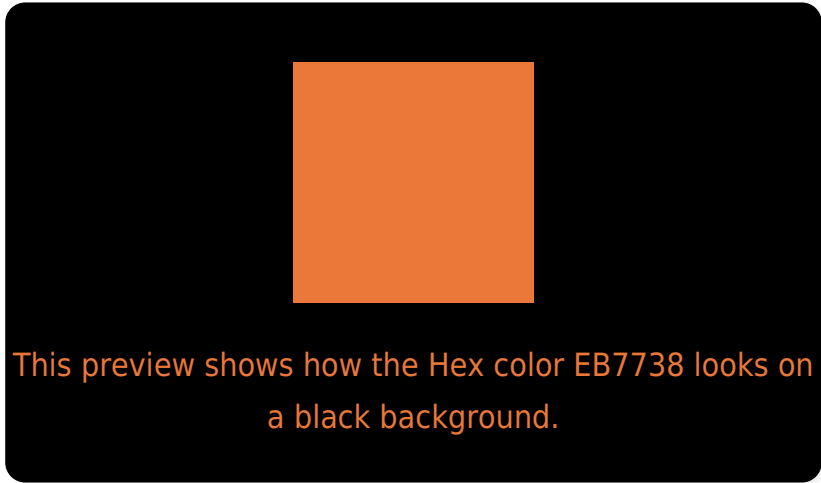
Large Text (above 18pt) WCAG AA × Fail

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 EB7738 Background



This preview shows how black text looks on a background with the Hex color EB7738.



This preview shows how white text looks on a background with the Hex color EB7738.

# 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



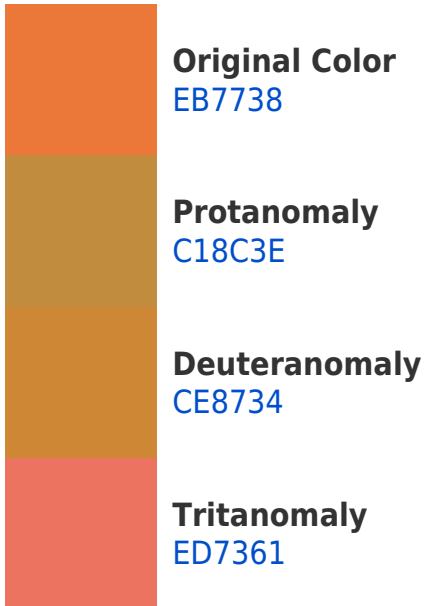
**Original Color**  
EB7738

**Protanopia**  
A99841

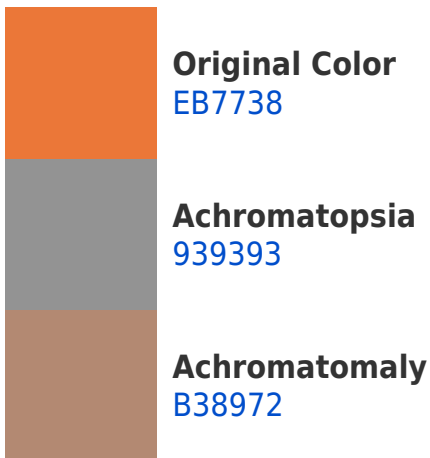
**Deuteranopia**  
BE9031



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex EB7738 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 #EB7738 looks like.

```
.text, #text, p{  
    color:#EB7738  
}
```

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 #EB7738 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #EB7738
}
```

## Border

The CSS property to change the border of an element to Hex EB7738 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
#EB7738 }
```

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

```
.border{ border-color:#EB7738 }
```

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

Here you see how a box with a 4 pixel #EB7738 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #EB7738; -webkit-box-shadow:4px 4px  
4px 4px #EB7738; box-shadow:4px 4px 4px  
4px #EB7738 }
```

# Background

The CSS property to change the background color of an element to Hex EB7738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#EB7738 }
```

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

```
.background{ background-color:#EB7738 }
```

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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