

# Converting Colors

Hex(E38B13)

Have a look what the booklet for  
Hex(E38B13) contains.

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# **Color**

**Hex(E38B13)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E38B13
RGB	227, 139, 19
RGB Percent	89%, 55%, 7%
CMY	0.1098, 0.4549, 0.9255
CMYK	0.00, 0.39, 0.92, 0.11
HSL	35°, 85%, 48%
HSV	35°, 92%, 89%
XYZ	41.0287, 34.8431, 5.1790
YIQ	151.6320, 90.9680, -18.6640

# Conversions

## Conversions Part 2

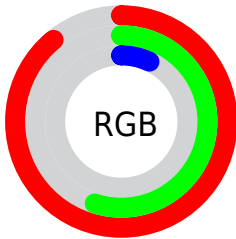
Format	Color
<a href="#">RYB</a>	<a href="#">172, 227, 19</a>
Decimal	<a href="#">14912275</a>
CIELab	<a href="#">65.63, 26.04, 68.27</a>
CIELCh	<a href="#">66, 73.069, 69.121</a>
Yxy	<a href="#">34.8431, 0.5062, 0.4299</a>
Android (android.graphics.Color)	<a href="#">4293102355</a> ( <a href="#">0xFFE38B13</a> )
YUV	<a href="#">151.6320, -65.3876, 66.0977</a>
Hunter-Lab	<a href="#">59.0281, 20.7710, 36.1176</a>

# Details

The Hex color **E38B13** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **136BE3**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **FFC150**, and **A55900** is the 20% darker color. If you saturate the color by 10%, you get **E38300**, and if you desaturate by 10%, it is **E3952A**.

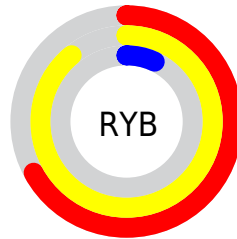
# Distribution



Red (89%)

Green (55%)

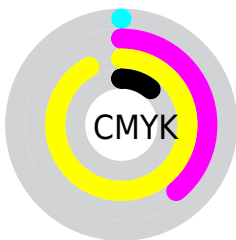
Blue (7%)



Red (67%)

Yellow (89%)

Blue (7%)

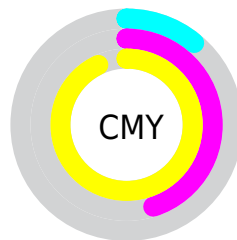


Cyan (0%)

Magenta (39%)

Yellow (92%)

Black (11%)



Cyan (11%)

Magenta (45%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E38B13 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 E38B13 by changing the saturation by 10% instead.



 E38B13

 E38B13

FFFFFF

 C47100

 FFC150

 A55900

 FFDD6C

 874100

 FFF987

 6A2A00

 FFFFA3

 4D1300

 FFFFBF

 320000

 FFFFDC

 110000

 FFFFF9

 000000

 E38B13

 E38B13

 E38300

 E3952A

 E39E40

 E3A857

 E3B16E

 E3BB84

 E3C59B

 E3CEB2

 E3D8C9

 E3E1DF

# Harmonies

## Analogous

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



FF6E50



E38B13



ACA300

# Triad

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



E38B13



00BEB2



BB85FF

# Complementary

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



E38B13



136BE3

# 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.



00A1FF



E38B13



00BCF1

# Square

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



E38B13



00BB6E



00B3FF



FC66D0

# Rectangle

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



E38B13



7FAE15



00B3FF



988FFF



# Sweetspot

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



E38B13



FFE2BA



E3136D



806E57



000000



808080



# Same Dimension

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



E38B13



FF9300



D5E313



736E67



B36700



331D00



# Inverse Universe

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



136BE3



006CFF



2113E3



676C73



004CB3



001633



# Previews

## White Background



This preview shows how the Hex color E38B13 looks on a white background.

## Color Contrast Check

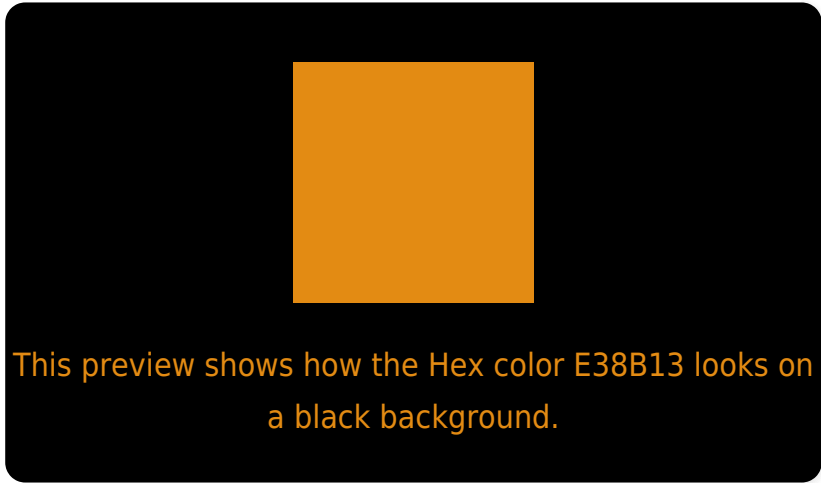
Large Text (above 18pt) WCAG AA × Fail

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 E38B13 Background



This preview shows how black text looks on a background with the Hex color E38B13.

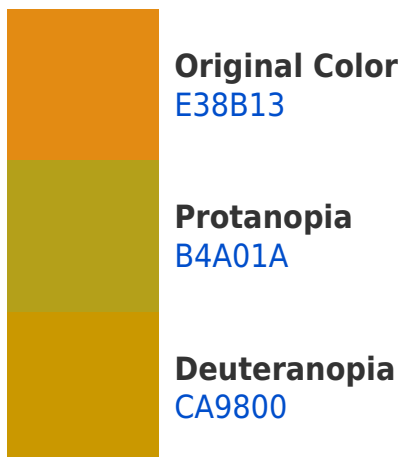


This preview shows how white text looks on a background with the Hex color E38B13.

# 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](#).

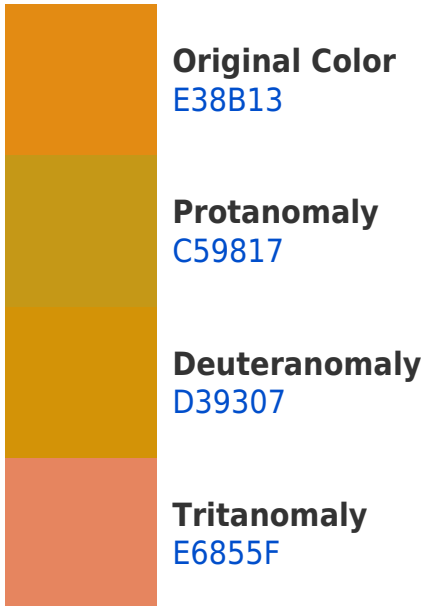
## Dichromacy



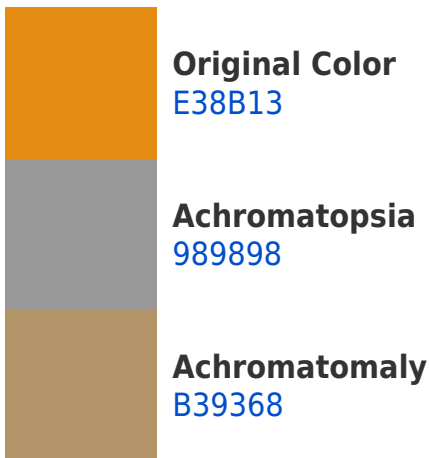


**Tritanopia**  
E8818B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex E38B13 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 #E38B13 looks like.

```
.text, #text, p{  
    color:#E38B13  
}
```

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 #E38B13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E38B13
}
```

## Border

The CSS property to change the border of an element to Hex E38B13 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
#E38B13 }
```

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

```
.border{ border-color:#E38B13 }
```

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

Here you see how a box with a 4 pixel #E38B13 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E38B13; -webkit-box-shadow:4px 4px  
4px 4px #E38B13; box-shadow:4px 4px 4px  
4px #E38B13 }
```

# Background

The CSS property to change the background color of an element to Hex E38B13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E38B13 }
```

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

```
.background{ background-color:#E38B13 }
```

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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