

# Converting Colors

Hex(E38300)

Have a look what the booklet for  
Hex(E38300) contains.

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# **Color**

**Hex(E38300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E38300
RGB	227, 131, 0
RGB Percent	89%, 51%, 0%
CMY	0.1098, 0.4863, 1.0000
CMYK	0.00, 0.42, 1.00, 0.11
HSL	35°, 100%, 45%
HSV	35°, 100%, 89%
XYZ	39.7949, 32.5635, 4.1880
YIQ	144.7700, 99.2670, -20.3890

# Conversions

## Conversions Part 2

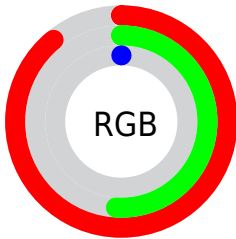
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 227, 0
Decimal	14910208
CIELab	63.81, 30.06, 70.08
CIELCh	64, 76.260, 66.784
Yxy	32.5635, 0.5199, 0.4254
Android (android.graphics.Color)	4293100288 (0xFFE38300)
YUV	144.7700, -71.3716, 72.1157
Hunter-Lab	57.0644, 24.6173, 35.5938

# Details

The Hex color **E38300** 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 **0060E3**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **FFB948**, and **A55100** is the 20% darker color. If you saturate the color by 10%, you get **E38300**, and if you desaturate by 10%, it is **E38D17**.

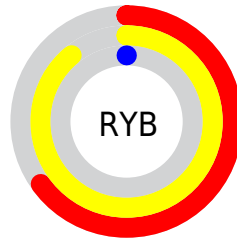
# Distribution



Red (89%)

Green (51%)

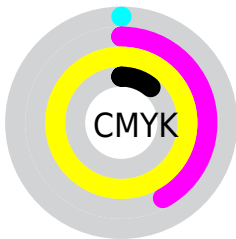
Blue (0%)



Red (65%)

Yellow (89%)

Blue (0%)

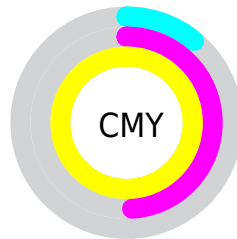


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (49%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E38300 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 E38300 by changing the saturation by 10% instead.



 E38300

 E38300

FFFFFF

 C46900

 FFB948

 A55100

 FFD463

 863900

 FFF17E

 692100

 FFFF9A

 4C0800

 FFFFB6

 320000

 FFFFD3

 090000

 FFFFF0

 000000

 E38300

 E38D17

 E3962D

 E3A044

 E3A95B

 E3B372

 E3BD88

 E3C69F

 E3D0B6

 E3D9CC

# Harmonies

## Analogous

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



FF634D



E38300



AB9D00

# Triad

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



E38300



00B9A9



AE81FF

# Complementary

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



E38300



0060E3

# 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.



009EFF



E38300



00B8EB

# Square

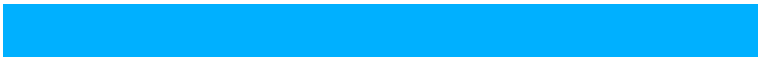
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



E38300



00B662



00B0FF



F75FD2

# Rectangle

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



E38300



7EA800



00B0FF



878CFF



# Sweetspot

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



E38300



FFDFB3



E30062



806C52



000000



808080



# Same Dimension

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



E38300



FF9300



D4E300



736E67



B36700



331D00



# Inverse Universe

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



0060E3



006CFF



0F00E3



676C73



004BB3



001633



# Previews

## White Background



This preview shows how the Hex color E38300 looks on a white background.

## Color Contrast Check

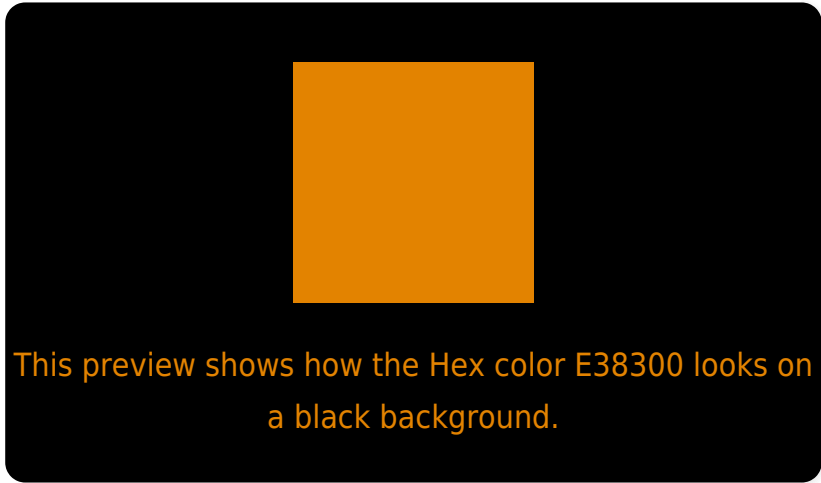
Large Text (above 18pt) WCAG AA × Fail

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 E38300 Background



This preview shows how black text looks on a background with the Hex color E38300.

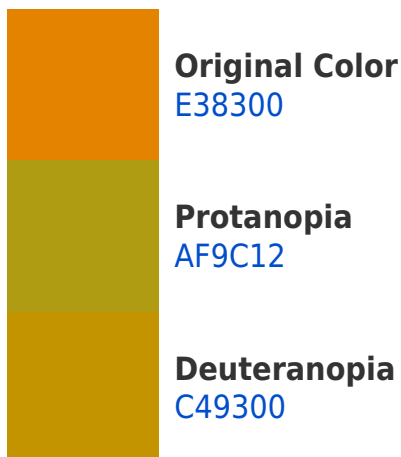



This preview shows how white text looks on a background with the Hex color E38300.

# 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](#).

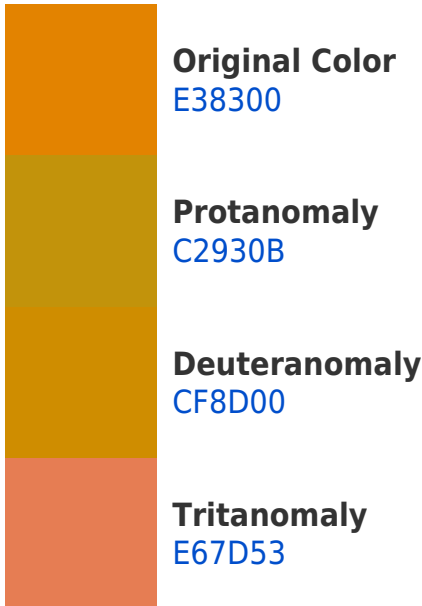
## Dichromacy





**Tritanopia**  
E87A83

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex E38300 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 #E38300 looks like.

```
.text, #text, p{  
    color:#E38300  
}
```

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 #E38300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E38300
}
```

## Border

The CSS property to change the border of an element to Hex E38300 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
#E38300 }
```

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

```
.border{ border-color:#E38300 }
```

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

Here you see how a box with a 4 pixel #E38300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E38300; -webkit-box-shadow:4px 4px  
4px 4px #E38300; box-shadow:4px 4px 4px  
4px #E38300 }
```

# Background

The CSS property to change the background color of an element to Hex E38300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E38300 }
```

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

```
.background{ background-color:#E38300 }
```

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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