

# Converting Colors

Hex(EC8415)

Have a look what the booklet for  
Hex(EC8415) contains.

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# **Color**

**Hex(EC8415)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC8415
RGB	236, 132, 21
RGB Percent	93%, 52%, 8%
CMY	0.0745, 0.4824, 0.9176
CMYK	0.00, 0.44, 0.91, 0.07
HSL	31°, 85%, 50%
HSV	31°, 91%, 93%
XYZ	42.9787, 34.3895, 5.0821
YIQ	150.4420, 97.6150, -12.4730

# Conversions

## Conversions Part 2

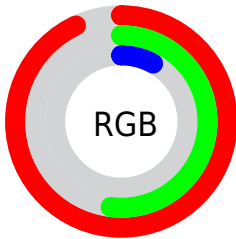
Format	Color
R <sub>Y</sub> B	222, 236, 21
Decimal	15500309
CIE Lab	65.27, 33.47, 68.11
CIE LCh	65, 75.891, 63.831
Yxy	34.3895, 0.5213, 0.4171
Android (android.graphics.Color)	4293690389 (0xFFEC8415)
YUV	150.4420, -63.8149, 75.0344
Hunter-Lab	58.6426, 28.1967, 35.9116

# Details

The Hex color **EC8415** 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 **157DEC**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **FFBA51**, and **AD5100** is the 20% darker color. If you saturate the color by 10%, you get **EC7A00**, and if you desaturate by 10%, it is **EC8F2D**.

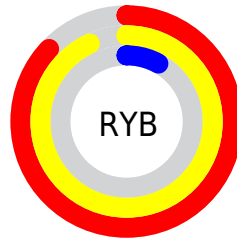
# Distribution



Red (93%)

Green (52%)

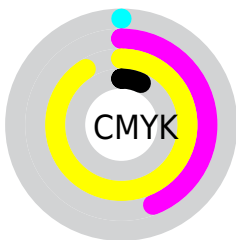
Blue (8%)



Red (87%)

Yellow (93%)

Blue (8%)

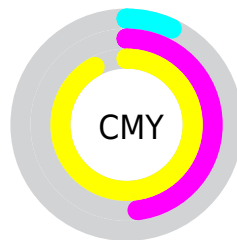


Cyan (0%)

Magenta (44%)

Yellow (91%)

Black (7%)



Cyan (7%)

Magenta (48%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Hex color EC8415 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 EC8415 by changing the saturation by 10% instead.



 EC8415

 EC8415

FFFFFF

 CC6A00

 FFBA51

 AD5100

 FFD66C

 8F3900

 FFF287

 702100

 FFFFA3

 530500

 FFFFBF

 380000

 FFFFDC

 1A0001

 FFFFF9

 000000

 EC8415

 EC8415

 EC7A00

 EC8F2D

 EC9B44

 ECA65C

 ECB273

 ECBD8B

 ECC8A3

 ECD4BA

 ECDFD2

 ECEBE9

# Harmonies

## Analogous

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



FF6557



EC8415



B69E00

# Triad

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



EC8415



00BDA6



A888FF

# Complementary

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



EC8415



157DEC

# 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



EC8415



00BCE9

# Square

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



EC8415



00B95F



00B5FF



F667DC

# Rectangle

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



EC8415



89AB00



00B5FF



7E93FF



# Sweetspot

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



EC8415



FFDEBA



EC1581



806C57



000000



808080



# Same Dimension

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



EC8415



FF8400



ECEC15



75706A



B55D00



361C00



# Inverse Universe

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



157DEC



007BFF



1515EC



6A6F75



0058B5



001A36



# Previews

## White Background



This preview shows how the Hex color EC8415 looks on a white background.

## Color Contrast Check

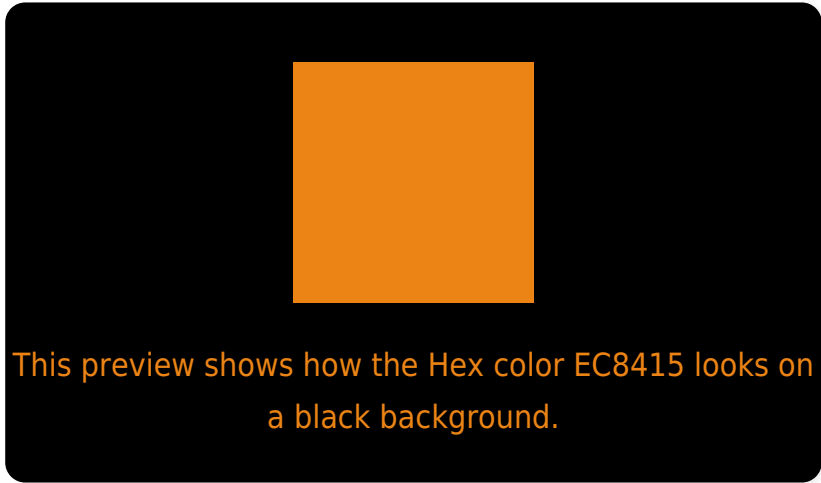
Large Text (above 18pt) WCAG AA × Fail

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 EC8415 Background



This preview shows how black text looks on a background with the Hex color EC8415.



This preview shows how white text looks on a background with the Hex color EC8415.

# 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**  
EC8415

**Protanopia**  
B39F1D

**Deuteranopia**  
C99700



**Tritanopia**  
F07B84

# Trichromacy



**Original Color**  
EC8415

**Protanomaly**  
C8951A

**Deuteranomaly**  
D69008

**Tritanomaly**  
EF7E5C

# Monochromacy



**Original Color**  
EC8415

**Achromatopsia**  
969696

**Achromatomaly**  
B58F67

# CSS Examples

## Text

The CSS property to change the color of the text to Hex EC8415 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 #EC8415 looks like.

```
.text, #text, p{  
    color:#EC8415  
}
```

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 #EC8415 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #EC8415
}
```

## Border

The CSS property to change the border of an element to Hex EC8415 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
#EC8415 }
```

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

```
.border{ border-color:#EC8415 }
```

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

Here you see how a box with a 4 pixel #EC8415 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #EC8415; -webkit-box-shadow:4px 4px  
4px 4px #EC8415; box-shadow:4px 4px 4px  
4px #EC8415 }
```

# Background

The CSS property to change the background color of an element to Hex EC8415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#EC8415 }
```

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

```
.background{ background-color:#EC8415 }
```

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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