

# Converting Colors

Hex(EC9137)

Have a look what the booklet for  
Hex(EC9137) contains.

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# **Color**

**Hex(EC9137)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EC9137
RGB	236, 145, 55
RGB Percent	93%, 57%, 22%
CMY	0.0745, 0.4314, 0.7843
CMYK	0.00, 0.39, 0.77, 0.07
HSL	30°, 83%, 57%
HSV	30°, 77%, 93%
XYZ	45.4071, 38.3595, 8.6253
YIQ	161.9490, 83.1260, -8.6980

# Conversions

## Conversions Part 2

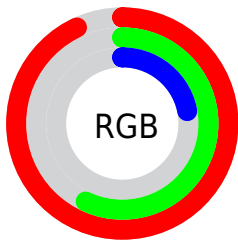
Format	Color
R <sub>Y</sub> B	236, 234, 55
Decimal	15503671
CIE Lab	68.28, 27.57, 59.42
CIE LCh	68, 65.509, 65.108
Yxy	38.3595, 0.4915, 0.4152
Android (android.graphics.Color)	4293693751 (0xFFEC9137)
YUV	161.9490, -52.7259, 64.9427
Hunter-Lab	61.9350, 22.4792, 35.0976

# Details

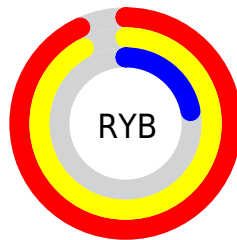
The Hex color **EC9137** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **3792EC**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **FFC76C**, and **AE5E00** is the 20% darker color. If you saturate the color by 10%, you get **EC851F**, and if you desaturate by 10%, it is **EC9D4F**.

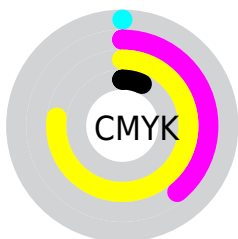
# Distribution



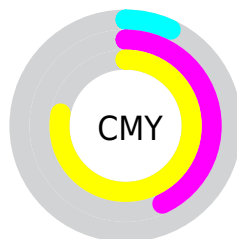
- Red (93%)
- Green (57%)
- Blue (22%)



- Red (93%)
- Yellow (92%)
- Blue (22%)



- Cyan (0%)
- Magenta (39%)
- Yellow (77%)
- Black (7%)



- Cyan (7%)
- Magenta (43%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color EC9137 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 EC9137 by changing the saturation by 10% instead.



 EC9137

 EC9137


FFFFFF

 CD771B

 FFC76C

 AE5E00

 FFE386

 914600

 FFFFA2

 732E00

 FFFFBD

 561700

 FFFFDA

 3A0100

 FFFFF7

 220001

 000000

 EC9137

 EC9137

 EC851F

 EC9D4F

 EC7908

 ECA966

 EC7500

 ECB57E

 ECC095

 ECCCAD

 ECD8C5

 ECE4DC

 ECF0F4

 ECFCFF

# Harmonies

## Analogous

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



FF7966



EC9137



BCA721

# Triad

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



EC9137



00C3AF



B592FF

# Complementary

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



EC9137



3792EC

# 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.



22AAFF



EC9137



00C1E9

# Square

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



EC9137



00BF72



00BAFF



F679D9

# Rectangle

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



EC9137



94B230



00BAFF



969BFF



# Sweetspot

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



EC9137



FFE2C4



EC3795



806E5C



000000



808080



# Same Dimension

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



EC9137



FF8914



ECE937



756F6A



B55A00



361B00



# Inverse Universe

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



3792EC



148AFF



373AEC



6A6F75



005BB5



001B36



# Previews

## White Background



This preview shows how the Hex color EC9137 looks on a white background.

## Color Contrast Check

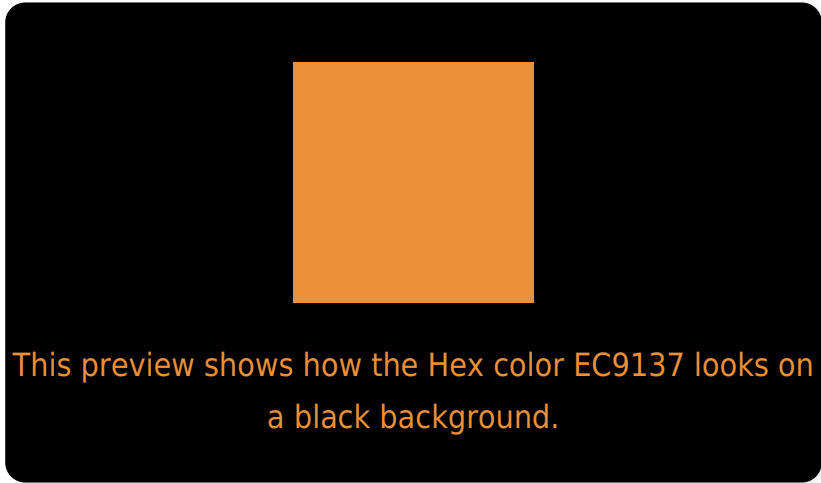
Large Text (above 18pt) WCAG AA × Fail

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 EC9137 Background



This preview shows how black text looks on a background with the Hex color EC9137.

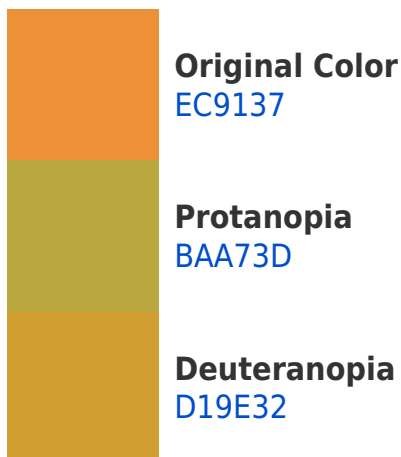


This preview shows how white text looks on a background with the Hex color EC9137.

# 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](#).

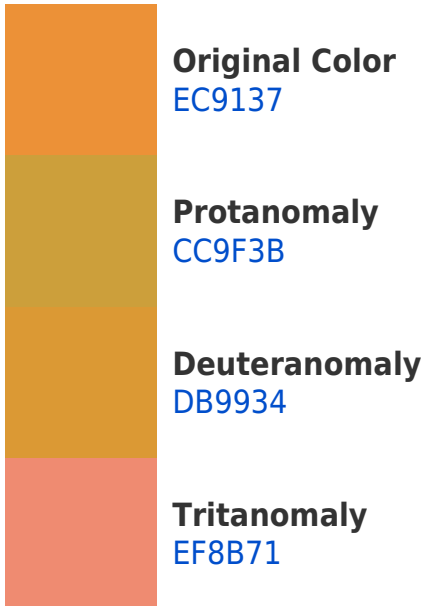
## Dichromacy



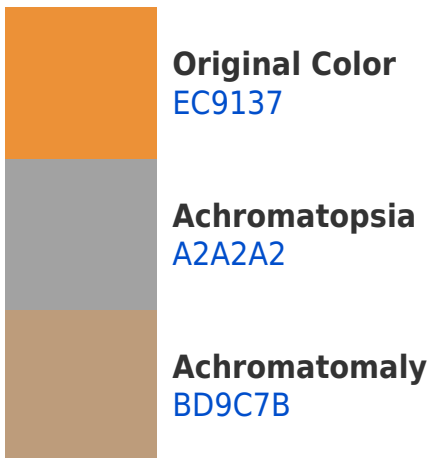


**Tritanopia**  
F18892

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex EC9137 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 #EC9137 looks like.

```
.text, #text, p{  
    color:#EC9137  
}
```

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 #EC9137 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #EC9137
}
```

## Border

The CSS property to change the border of an element to Hex EC9137 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
#EC9137 }
```

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

```
.border{ border-color:#EC9137 }
```

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

Here you see how a box with a 4 pixel #EC9137 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #EC9137; -webkit-box-shadow:4px 4px  
4px 4px #EC9137; box-shadow:4px 4px 4px  
4px #EC9137 }
```

# Background

The CSS property to change the background color of an element to Hex EC9137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#EC9137 }
```

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

```
.background{ background-color:#EC9137 }
```

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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