

# Converting Colors

Hex(EC9E22)

Have a look what the booklet for  
Hex(EC9E22) contains.

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# **Color**

**Hex(EC9E22)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC9E22
RGB	236, 158, 34
RGB Percent	93%, 62%, 13%
CMY	0.0745, 0.3804, 0.8667
CMYK	0.00, 0.33, 0.86, 0.07
HSL	37°, 84%, 53%
HSV	37°, 86%, 93%
XYZ	47.1077, 42.4021, 7.2149
YIQ	167.1860, 86.2920, -22.0280

# Conversions

## Conversions Part 2

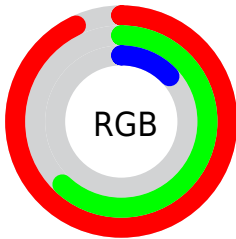
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">161, 236, 34</a>
Decimal	<a href="#">15506978</a>
CIELab	<a href="#">71.15, 20.05, 69.32</a>
CIELCh	<a href="#">71, 72.164, 73.865</a>
Yxy	<a href="#">42.4021, 0.4870, 0.4384</a>
Android (android.graphics.Color)	<a href="#">4293697058 (0xFFEC9E22)</a>
YUV	<a href="#">167.1860, -65.6607, 60.3499</a>
Hunter-Lab	<a href="#">65.1169, 15.1782, 39.0125</a>

# Details

The Hex color **EC9E22** 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 **2270EC**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **FFD55C**, and **AE6B00** is the 20% darker color. If you saturate the color by 10%, you get **EC950A**, and if you desaturate by 10%, it is **ECA73A**.

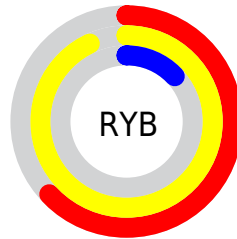
# Distribution



Red (93%)

Green (62%)

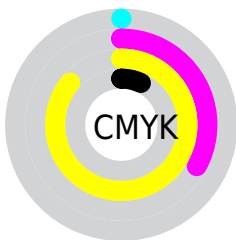
Blue (13%)



Red (63%)

Yellow (93%)

Blue (13%)

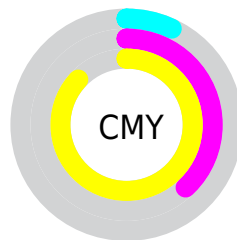


Cyan (0%)

Magenta (33%)

Yellow (86%)

Black (7%)



Cyan (7%)

Magenta (38%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color EC9E22 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 EC9E22 by changing the saturation by 10% instead.



 EC9E22

 EC9E22


FFFFFF

 CD8400

 FFD55C

 AE6B00

 FFF178

 915200

 FFFF93

 733B00

 FFFFAF

 562500

 FFFFCC

 3B1000

 FFFFEE

 240000

 000000

 EC9E22

 EC9E22

 EC950A

 ECA73A

 EC9100

 ECB051

 ECB969

 ECC280

 ECCC98

 ECD5B0

 ECDEC7

 ECE7DF

 ECF0F6

# Harmonies

## Analogous

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



FF8255



EC9E22



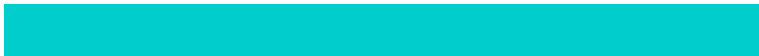
B2B514

# Triad

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



EC9E22



00CDCC



D88FFF

# Complementary

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



EC9E22



2270EC

# 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.



60ABFF



EC9E22



00CAFF

# Square

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



EC9E22



00CB87



00BFFF



FF74D4

# Rectangle

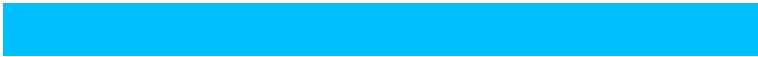
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



EC9E22



83BF35



00BFFF



BA99FF



# Sweetspot

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



EC9E22



FFE5BD



EC2273



807058



000000



808080



# Same Dimension

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



EC9E22



FF9D00



D8EC22



75716A



B56F00



362100



# Inverse Universe

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



2270EC



0062FF



3622EC



6A6E75



0046B5



001536



# Previews

## White Background



This preview shows how the Hex color EC9E22 looks on a white background.

## Color Contrast Check

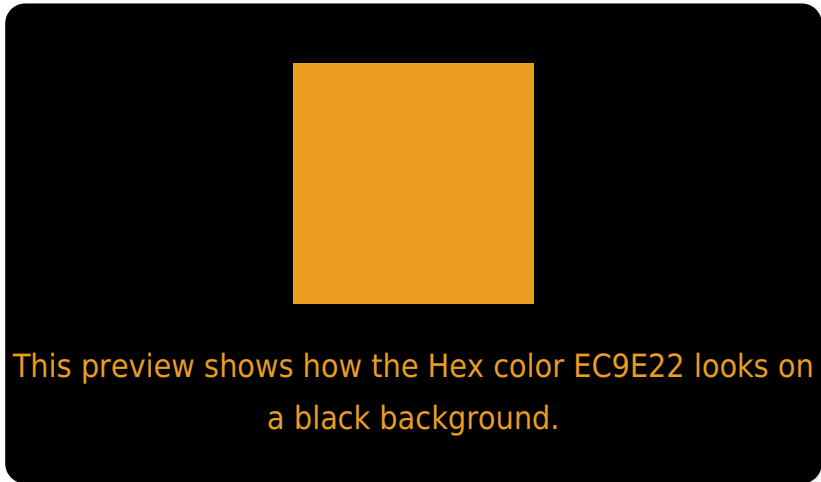
Large Text (above 18pt) WCAG AA × Fail

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 EC9E22 Background



This preview shows how black text looks on a background with the Hex color EC9E22.

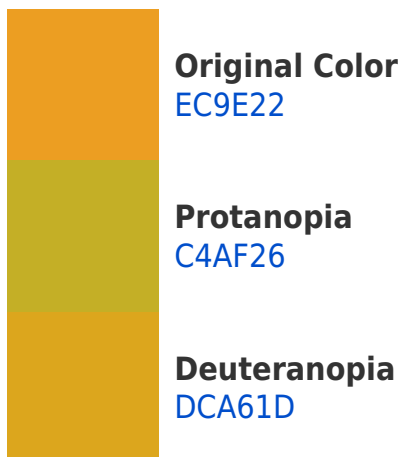


This preview shows how white text looks on a background with the Hex color EC9E22.

# 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](#).

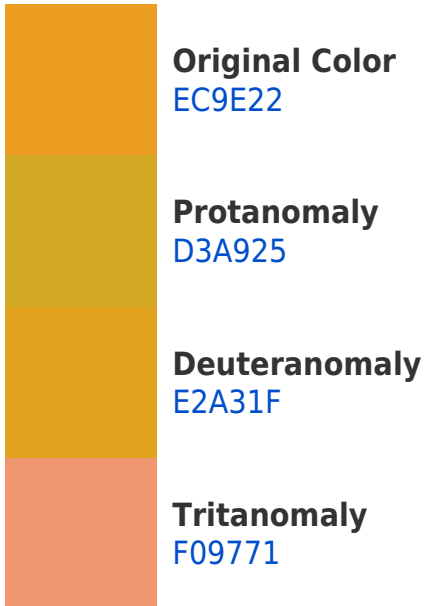
## Dichromacy



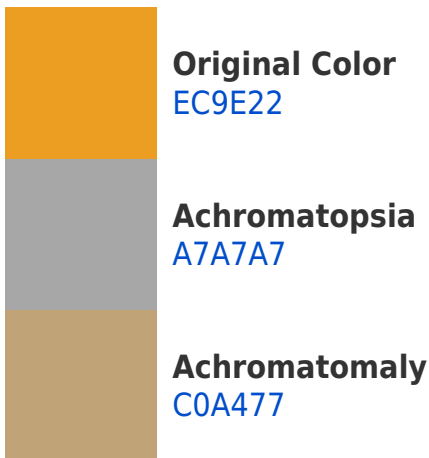


**Tritanopia**  
F2939E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex EC9E22 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 #EC9E22 looks like.

```
.text, #text, p{  
    color:#EC9E22  
}
```

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 #EC9E22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #EC9E22
}
```

## Border

The CSS property to change the border of an element to Hex EC9E22 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
#EC9E22 }
```

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

```
.border{ border-color:#EC9E22 }
```

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

Here you see how a box with a 4 pixel #EC9E22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #EC9E22; -webkit-box-shadow:4px 4px  
4px 4px #EC9E22; box-shadow:4px 4px 4px  
4px #EC9E22 }
```

# Background

The CSS property to change the background color of an element to Hex EC9E22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#EC9E22 }
```

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

```
.background{ background-color:#EC9E22 }
```

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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