

# Converting Colors

Hex(ECA846)

Have a look what the booklet for  
Hex(ECA846) contains.

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**Color**

**Hex(ECA846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECA846
RGB	236, 168, 70
RGB Percent	93%, 66%, 27%
CMY	0.0745, 0.3412, 0.7255
CMYK	0.00, 0.29, 0.70, 0.07
HSL	35°, 81%, 60%
HSV	35°, 70%, 93%
XYZ	49.7002, 46.2803, 12.1079
YIQ	177.1600, 71.9860, -16.0620

# Conversions

## Conversions Part 2

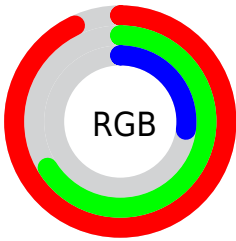
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 236, 70
Decimal	15509574
CIELab	73.73, 16.06, 58.53
CIELCh	74, 60.691, 74.651
Yxy	46.2803, 0.4598, 0.4282
Android (android.graphics.Color)	4293699654 (0xFFECA846)
YUV	177.1600, -52.8299, 51.6027
Hunter-Lab	68.0296, 11.3543, 37.0684

# Details

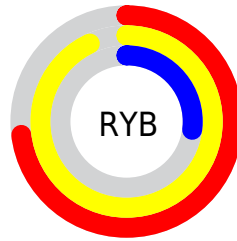
The Hex color **ECA846** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **468AEC**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **FFDF7B**, and **B0740A** is the 20% darker color. If you saturate the color by 10%, you get **EC9E2E**, and if you desaturate by 10%, it is **ECB25E**.

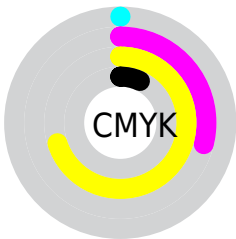
# Distribution



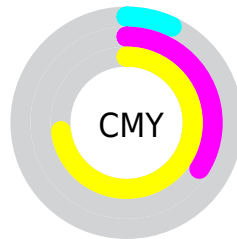
- Red (93%)
- Green (66%)
- Blue (27%)



- Red (73%)
- Yellow (93%)
- Blue (27%)



- Cyan (0%)
- Magenta (29%)
- Yellow (70%)
- Black (7%)



- Cyan (7%)
- Magenta (34%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color ECA846 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 ECA846 by changing the saturation by 10% instead.



 ECA846

 ECA846

FFFFFF

 CE8E2B

 FFDF7B

 B0740A

 FFFC96

 925B00

 FFFFB2

 764400

 FFFFCE

 592E00

 FFFFEB

 3E1900

 260000

 000000

 ECA846

 ECA846

 EC9E2E

 ECB25E

 EC9517

 ECBB75

 EC8B00

 ECC58D

 ECCFA4

 ECD8BC

 ECE2D4

 ECECEB

 ECF5FF

 ECFFFF

# Harmonies

## Analogous

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



FF9369



ECA846



BABB42

# Triad

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



ECA846



00D1D0



DC9BFF

# Complementary

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



ECA846



468AEC

# 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.



84B2FF



ECA846



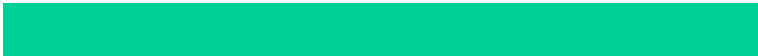
00CDFF

# Square

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



ECA846



00CF96



00C3FF



FF88D4

# Rectangle

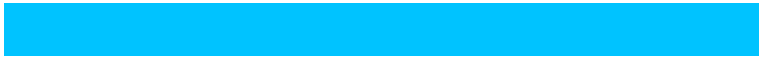
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



ECA846



92C454



00C3FF



C4A3FF



# Sweetspot

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



ECA846



FFE9C9



EC468B



807260



000000



808080



# Same Dimension

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



ECA846



FFA729



DEEC46



75706A



B56B00



362000



# Inverse Universe

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



468AEC



2981FF



5446EC



6A6E75



004AB5



001636



# Previews

## White Background



This preview shows how the Hex color ECA846 looks on a white background.

## Color Contrast Check

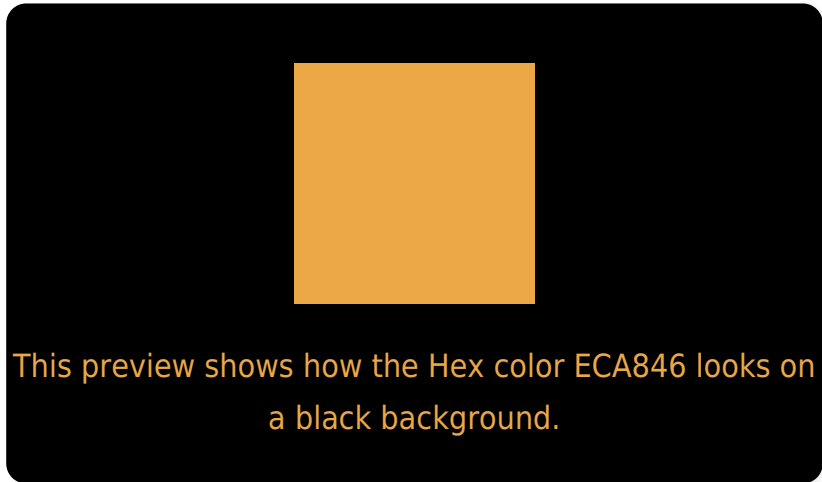
Large Text (above 18pt) WCAG AA × Fail

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 ECA846 Background



This preview shows how black text looks on a background with the Hex color ECA846.



This preview shows how white text looks on a background with the Hex color ECA846.

# 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**  
ECA846

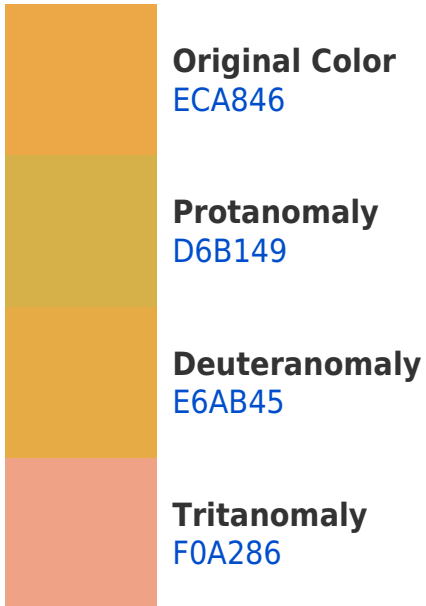
**Protanopia**  
CAB64A

**Deuteranopia**  
E2AC45

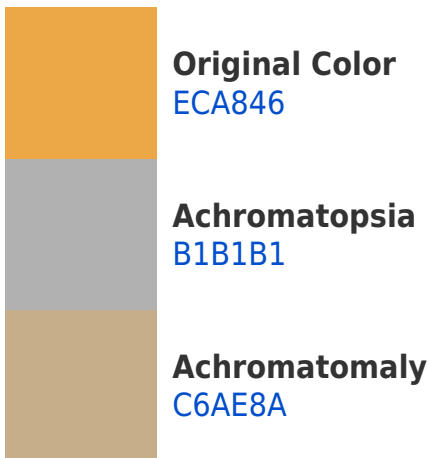


**Tritanopia**  
F39EAA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex ECA846 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 #ECA846 looks like.

```
.text, #text, p{  
    color:#ECA846  
}
```

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 #ECA846 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #ECA846
}
```

## Border

The CSS property to change the border of an element to Hex ECA846 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
#ECA846 }
```

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

```
.border{ border-color:#ECA846 }
```

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

Here you see how a box with a 4 pixel #ECA846 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #ECA846; -webkit-box-shadow:4px 4px  
4px 4px #ECA846; box-shadow:4px 4px 4px  
4px #ECA846 }
```

# Background

The CSS property to change the background color of an element to Hex ECA846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#ECA846 }
```

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

```
.background{ background-color:#ECA846 }
```

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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