

# Converting Colors

Hex(E3AF0A)

Have a look what the booklet for  
Hex(E3AF0A) contains.

<b>Hex(E3AF0A)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(E3AF0A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3AF0A
RGB	227, 175, 10
RGB Percent	89%, 69%, 4%
CMY	0.1098, 0.3137, 0.9608
CMYK	0.00, 0.23, 0.96, 0.11
HSL	46°, 92%, 46%
HSV	46°, 96%, 89%
XYZ	47.0633, 47.0128, 6.8810
YIQ	171.7380, 83.9570, -40.2910

# Conversions

## Conversions Part 2

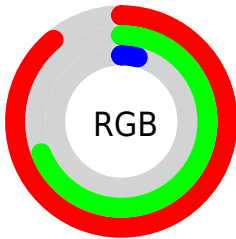
<b>Format</b>	<b>Color</b>
<b>RYB</b>	78, 227, 10
Decimal	14921482
CIELab	74.20, 6.78, 75.85
CIELCh	74, 76.152, 84.891
Yxy	47.0128, 0.4662, 0.4657
Android (android.graphics.Color)	4293111562 (0xFFE3AF0A)
YUV	171.7380, -79.7368, 48.4648
Hunter-Lab	68.5658, 2.5314, 42.0460

# Details

The Hex color **E3AF0A** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **0A3EE3**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **FFE653**, and **A67B00** is the 20% darker color. If you saturate the color by 10%, you get **E3AD00**, and if you desaturate by 10%, it is **E3B421**.

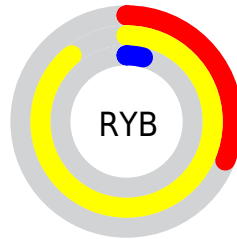
# Distribution



Red (89%)

Green (69%)

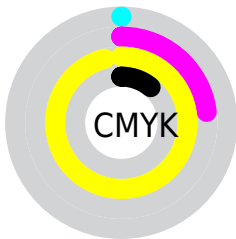
Blue (4%)



Red (31%)

Yellow (89%)

Blue (4%)

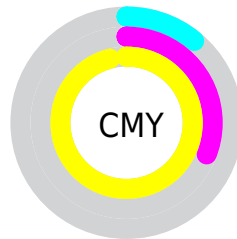


Cyan (0%)

Magenta (23%)

Yellow (96%)

Black (11%)



Cyan (11%)

Magenta (31%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E3AF0A 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 E3AF0A by changing the saturation by 10% instead.



 E3AF0A

 E3AF0A

FFFFFF

 C49500

 FFE653

 A67B00

 FFFF70

 896200

 FFFF8C

 6C4B00

 FFFFA8

 503500

 FFFFC5

 352000

 FFFF E2

 1D0900

 000000

 E3AF0A

 E3AF0A

 E3AD00

 E3B421

 E3BA37

 E3BF4E

 E3C565

 E3CA7B

 E3D092

 E3D5A9

 E3DBC0

 E3E0D6

# Harmonies

## Analogous

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



FF9342



E3AF0A



A0C422

# Triad

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



E3AF0A



00D7EF



FF89FF

# Complementary

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



E3AF0A



0A3EE3

# 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.



9FA9FF



E3AF0A



00D1FF

# Square

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



E3AF0A



00D6A8



00C2FF



FF72C6

# Rectangle

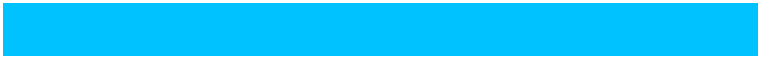
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



E3AF0A



66CD4B



00C2FF



E694FF



# Sweetspot

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



E3AF0A



FFEDB5



E30A40



807553



000000



808080



# Same Dimension

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



E3AF0A



FFC200



ADE30A



737067



B38800



332700



# Inverse Universe

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



0A3EE3



003DFF



400AE3



676A73



002BB3



000C33



# Previews

## White Background



This preview shows how the Hex color E3AF0A looks on a white background.

## Color Contrast Check

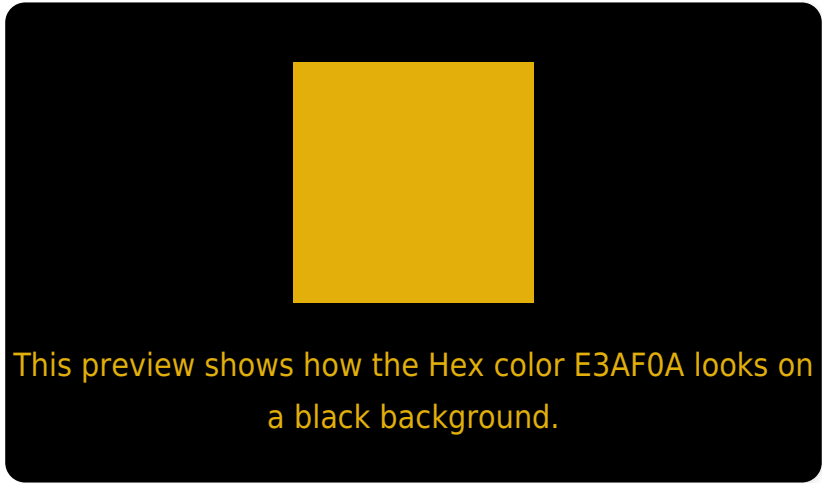
Large Text (above 18pt) WCAG AA × Fail

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 E3AF0A Background



This preview shows how black text looks on a background with the Hex color E3AF0A.



This preview shows how white text looks on a background with the Hex color E3AF0A.

# 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



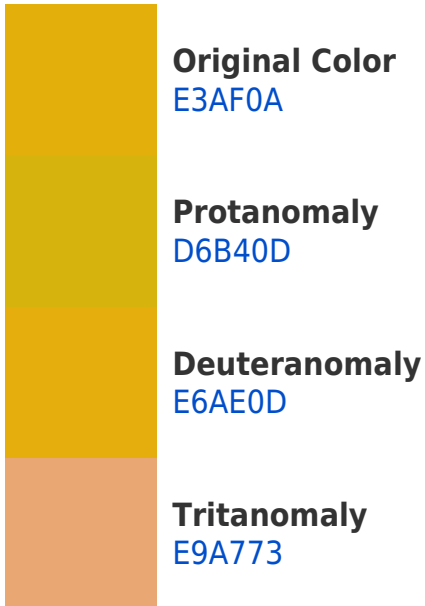
**Original Color**  
E3AF0A

**Protanopia**  
CEB70F

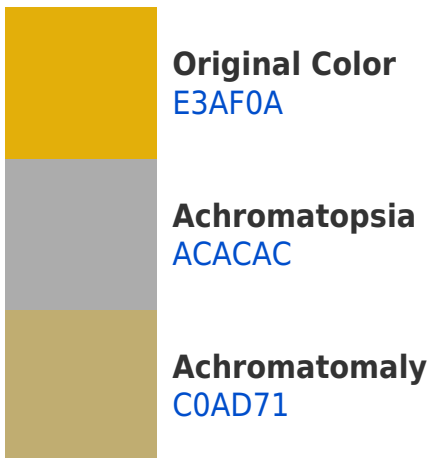
**Deuteranopia**  
E7AD0E



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex E3AF0A 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 #E3AF0A looks like.

```
.text, #text, p{  
    color:#E3AF0A  
}
```

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 #E3AF0A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E3AF0A
}
```

## Border

The CSS property to change the border of an element to Hex E3AF0A 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
#E3AF0A }
```

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

```
.border{ border-color:#E3AF0A }
```

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

Here you see how a box with a 4 pixel #E3AF0A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E3AF0A; -webkit-box-shadow:4px 4px  
4px 4px #E3AF0A; box-shadow:4px 4px 4px  
4px #E3AF0A }
```

# Background

The CSS property to change the background color of an element to Hex E3AF0A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E3AF0A }
```

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

```
.background{ background-color:#E3AF0A }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor