

# Converting Colors

Hex(EEB234)

Have a look what the booklet for  
Hex(EEB234) contains.

<b>Hex(EEB234)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(EEB234)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEB234
RGB	238, 178, 52
RGB Percent	93%, 70%, 20%
CMY	0.0667, 0.3020, 0.7961
CMYK	0.00, 0.25, 0.78, 0.07
HSL	41°, 85%, 57%
HSV	41°, 78%, 93%
XYZ	51.8001, 50.2659, 10.2209
YIQ	181.5760, 76.2060, -26.4660

# Conversions

## Conversions Part 2

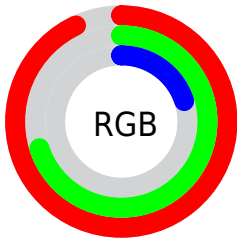
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 238, 52
Decimal	15643188
CIELab	76.23, 10.86, 68.13
CIELCh	76, 68.986, 80.941
Yxy	50.2659, 0.4613, 0.4477
Android (android.graphics.Color)	4293833268 (0xFFEEB234)
YUV	181.5760, -63.8810, 49.4838
Hunter-Lab	70.8984, 6.3442, 41.0815

# Details

The Hex color **EEB234** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **3470EE**, and the grayscale version is **B6B6B6**.

A 20% lighter version of the original color is **FFE96C**, and **B17E00** is the 20% darker color. If you saturate the color by 10%, you get **EEAA1C**, and if you desaturate by 10%, it is **EEBA4C**.

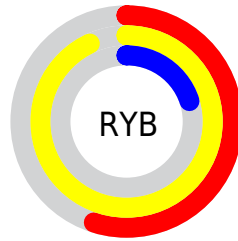
# Distribution



Red (93%)

Green (70%)

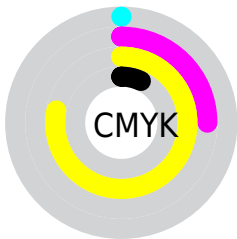
Blue (20%)



Red (55%)

Yellow (93%)

Blue (20%)

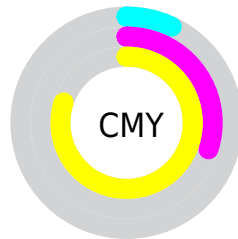


Cyan (0%)

Magenta (25%)

Yellow (78%)

Black (7%)



Cyan (7%)

Magenta (30%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color EEB234 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 EEB234 by changing the saturation by 10% instead.



 EEB234

 EEB234

FFFFFF

 CF9711

 FFE96C

 B17E00

 FFFF88

 946500

 FFFFA3

 774D00

 FFFF00

 5A3700

 FFFFDD

 3F2100

 FFFFFA

 260D00

 000000

 EEB234

 EEB234

 EEA1C

 EEBA4C

 EEA304

 EEC164

 EEA100

 EEC97B

 EED193

 EED8AB

 EEE0C3

 EEE8DB

 EEEFF2

 EE77FF

# Harmonies

## Analogous

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



FF995A



EEB234



B2C639

# Triad

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



EEB234



00DBE8



F798FF

# Complementary

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



EEB234



3470EE

# 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.



9AB3FF



EEB234



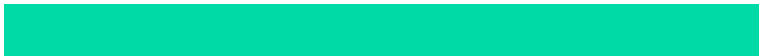
00D6FF

# Square

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



EEB234



00DAA6



00C9FF



FF83D2

# Rectangle

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



EEB234



82D055



00C9FF



DEA1FF



# Sweetspot

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



EEB234



FFECC4



EE3472



80745C



000000



808080



# Same Dimension

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



EEB234



FFB20F



CFEE34



78746C



B87C00



382600



# Inverse Universe

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



3470EE



0F5DFF



5334EE



6C7078



003BB8



001238



# Previews

## White Background



This preview shows how the Hex color EEB234 looks on a white background.

## Color Contrast Check

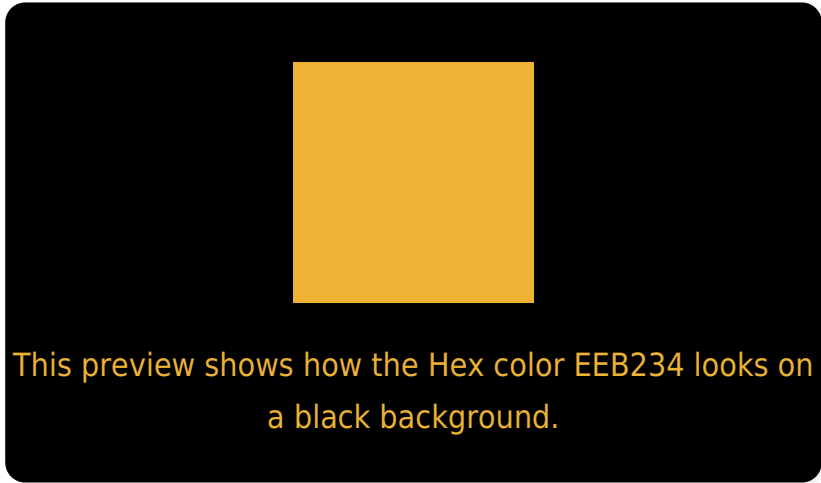
Large Text (above 18pt) WCAG AA × Fail

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 EEB234 Background



This preview shows how black text looks on a background with the Hex color EEB234.



This preview shows how white text looks on a background with the Hex color EEB234.

# 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**  
EEB234

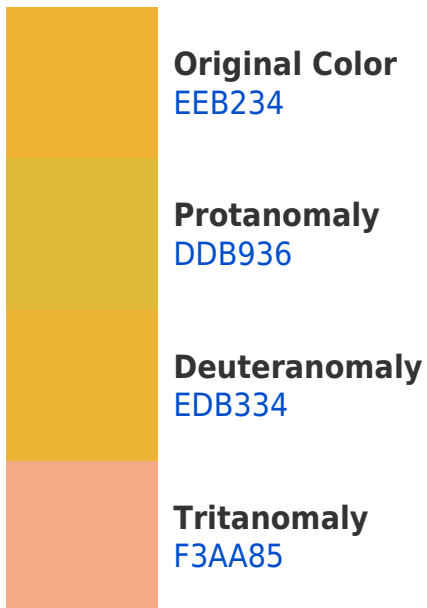
**Protanopia**  
D3BD37

**Deuteranopia**  
ECB334

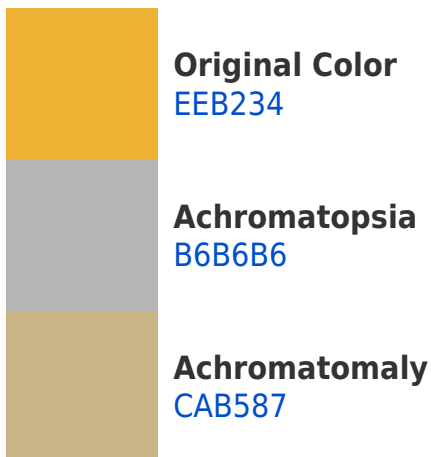


**Tritanopia**  
F6A6B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex EEB234 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 #EEB234 looks like.

```
.text, #text, p{  
    color:#EEB234  
}
```

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 #EEB234 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #EEB234
}
```

## Border

The CSS property to change the border of an element to Hex EEB234 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
#EEB234 }
```

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

```
.border{ border-color:#EEB234 }
```

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

Here you see how a box with a 4 pixel #EEB234 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #EEB234; -webkit-box-shadow:4px 4px  
4px 4px #EEB234; box-shadow:4px 4px 4px  
4px #EEB234 }
```

# Background

The CSS property to change the background color of an element to Hex EEB234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#EEB234 }
```

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

```
.background{ background-color:#EEB234 }
```

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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