

# Converting Colors

Hex(E0BB31)

Have a look what the booklet for  
Hex(E0BB31) contains.

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**Color**

**Hex(E0BB31)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0BB31
RGB	224, 187, 49
RGB Percent	88%, 73%, 19%
CMY	0.1216, 0.2667, 0.8078
CMYK	0.00, 0.17, 0.78, 0.12
HSL	47°, 74%, 54%
HSV	47°, 78%, 88%
XYZ	49.0652, 51.6097, 10.2814
YIQ	182.3310, 66.3500, -35.0740

# Conversions

## Conversions Part 2

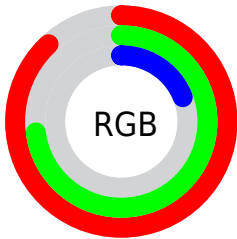
Format	Color
<a href="#">RYB</a>	<a href="#">96, 224, 49</a>
Decimal	<a href="#">14727985</a>
CIELab	<a href="#">77.05, 0.03, 69.35</a>
CIELCh	<a href="#">77, 69.352, 89.974</a>
Yxy	<a href="#">51.6097, 0.4422, 0.4651</a>
Android (android.graphics.Color)	<a href="#">4292918065</a> ( <a href="#">0xFFE0BB31</a> )
YUV	<a href="#">182.3310, -65.7322, 36.5437</a>
Hunter-Lab	<a href="#">71.8399, -3.8080, 41.8026</a>

# Details

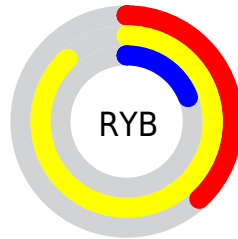
The Hex color **E0BB31** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **3156E0**, and the grayscale version is **B7B7B7**.

A 20% lighter version of the original color is **FFF36A**, and **A48600** is the 20% darker color. If you saturate the color by 10%, you get **E0B61B**, and if you desaturate by 10%, it is **E0C047**.

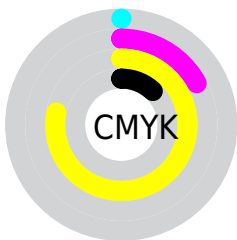
# Distribution



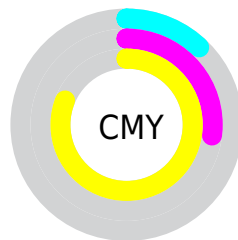
- Red (88%)
- Green (73%)
- Blue (19%)



- Red (38%)
- Yellow (88%)
- Blue (19%)



- Cyan (0%)
- Magenta (17%)
- Yellow (78%)
- Black (12%)



- Cyan (12%)
- Magenta (27%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E0BB31 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 E0BB31 by changing the saturation by 10% instead.



 E0BB31

 E0BB31

FFFFFF

 C2A008

 FFF36A

 A48600

 FFFF86

 876D00

 FFFFA2

 6B5500

 FFFFBF

 4F3E00

 FFFFDB

 352900

 FFFFF9

 1D1500

 000000

 E0BB31

 E0BB31

 E0B61B

 E0C047

 E0B204

 E0C45E

 E0B100

 E0C974

 E0CE8B

 E0D3A1

 E0D7B7

 E0DCCE

 E0E1E4

 E0E6FB

# Harmonies

## Analogous

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



FFA34E



E0BB31



A0CD46

# Triad

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



E0BB31



00DCFD



FF92FF

# Complementary

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



E0BB31



3156E0

# 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.



BEADFF



E0BB31



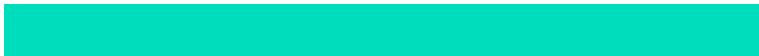
00D5FF

# Square

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



E0BB31



00DDBC



00C5FF



FF82C1

# Rectangle

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



E0BB31



68D567



00C5FF



F79BFF



# Sweetspot

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



E0BB31



FFF3C4



E03157



80785C



000000



808080



# Same Dimension

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



E0BB31



FFCC0F



AEE031



706E65



B08B00



302600



# Inverse Universe

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



3156E0



0F42FF



6331E0



656770



0025B0



000A30



# Previews

## White Background



This preview shows how the Hex color E0BB31 looks on a white background.

## Color Contrast Check

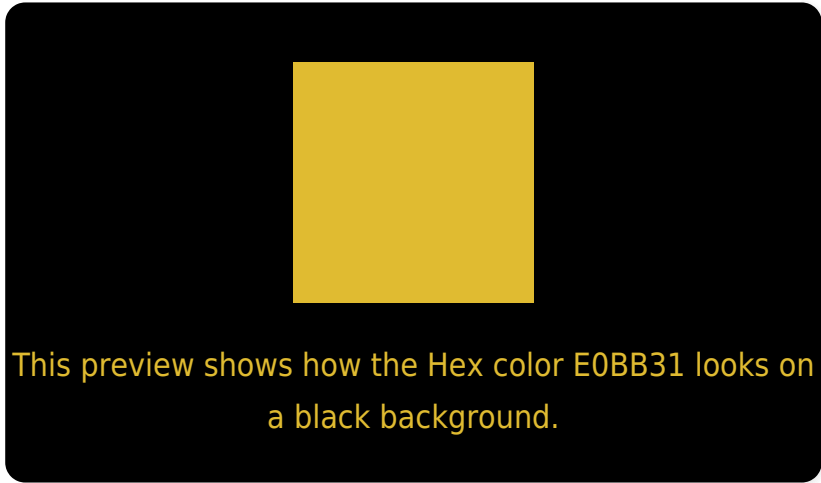
Large Text (above 18pt) WCAG AA × Fail

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 E0BB31 Background



This preview shows how black text looks on a background with the Hex color E0BB31.



This preview shows how white text looks on a background with the Hex color E0BB31.

# 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



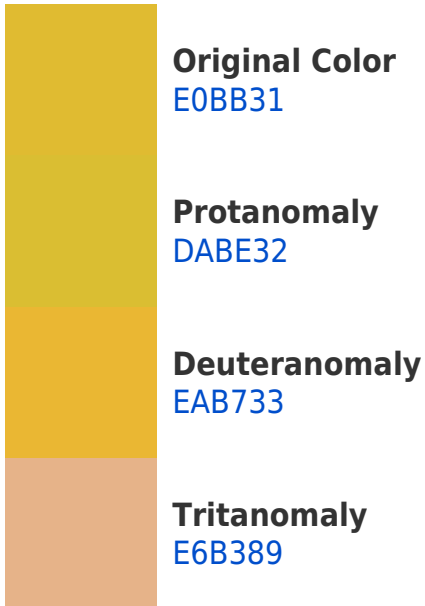
**Original Color**  
E0BB31

**Protanopia**  
D6BF32

**Deuteranopia**  
EFB534



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex E0BB31 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 #E0BB31 looks like.

```
.text, #text, p{  
    color:#E0BB31  
}
```

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 #E0BB31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E0BB31
}
```

## Border

The CSS property to change the border of an element to Hex E0BB31 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
#E0BB31 }
```

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

```
.border{ border-color:#E0BB31 }
```

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

Here you see how a box with a 4 pixel #E0BB31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E0BB31; -webkit-box-shadow:4px 4px  
4px 4px #E0BB31; box-shadow:4px 4px 4px  
4px #E0BB31 }
```

# Background

The CSS property to change the background color of an element to Hex E0BB31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E0BB31 }
```

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

```
.background{ background-color:#E0BB31 }
```

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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