

# Converting Colors

Hex(CEC70B)

Have a look what the booklet for  
Hex(CEC70B) contains.

<b>Hex(CEC70B)</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(CEC70B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEC70B
RGB	206, 199, 11
RGB Percent	81%, 78%, 4%
CMY	0.1922, 0.2196, 0.9569
CMYK	0.00, 0.03, 0.95, 0.19
HSL	58°, 90%, 43%
HSV	58°, 95%, 81%
XYZ	45.9374, 53.9928, 8.3171
YIQ	179.6610, 64.5200, -56.9840

# Conversions

## Conversions Part 2

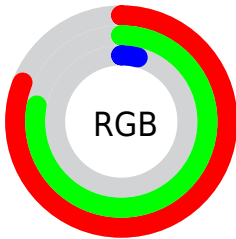
Format	Color
<b>RYB</b>	18, 206, 11
Decimal	13551371
CIELab	78.46, -14.76, 78.00
CIELCh	78, 79.382, 100.715
Yxy	53.9928, 0.4244, 0.4988
Android (android.graphics.Color)	4291741451 (0xFFCEC70B)
YUV	179.6610, -83.1499, 23.0993
Hunter-Lab	73.4798, -16.9967, 44.7249

# Details

The Hex color **CEC70B** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **0B12CE**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **FFFF57**, and **939200** is the 20% darker color. If you saturate the color by 10%, you get **CEC700**, and if you desaturate by 10%, it is **CEC820**.

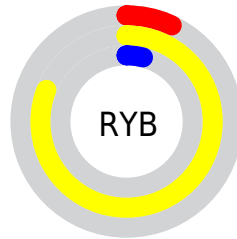
# Distribution



Red (81%)

Green (78%)

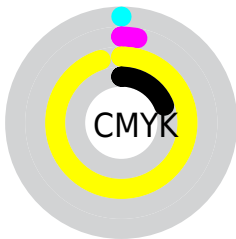
Blue (4%)



Red (7%)

Yellow (81%)

Blue (4%)

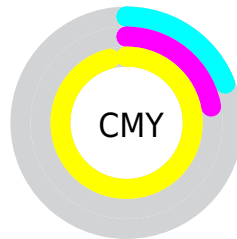


Cyan (0%)

Magenta (3%)

Yellow (95%)

Black (19%)



Cyan (19%)

Magenta (22%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CEC70B 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 CEC70B by changing the saturation by 10% instead.



 CEC70B

 CEC70B

FFFFFF

 B0AC00

 FFFF57

 939200

 FFFF74

 777800

 FFFF91

 5A5F00

 FFFFAE

 3F4800

 FFFFCB

 253200

 FFFFEB

 091D00

 000000

 CEC70B

 CEC70B

 CEC700

 CEC820

 CEC834

 CEC949

 CECA5D

 CECB72

 CECB87

 CECC9B

 CECDB0

 CECEC4

# Harmonies

## Analogous

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



FFAD29



CEC70B



7CD848

# Triad

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



CEC70B



00E2FF



FF83F5

# Complementary

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



CEC70B



0B12CE

# 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.



E7A2FF



CEC70B



00D7FF

# Square

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



CEC70B



00E5DB



4CC2FF



FF79AB

# Rectangle

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



CEC70B



00DF76



4CC2FF



FF8CFF



# Sweetspot

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



CEC70B



FFFCB8



CE0B15



807E54



000000



808080



# Same Dimension

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



CEC70B



FFF600



76CE0B



66665C



A6A000



262500



# Inverse Universe

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



0B12CE



0009FF



630BCE



5C5C66



0006A6



000126



# Previews

## White Background



This preview shows how the Hex color CEC70B looks on a white background.

## Color Contrast Check

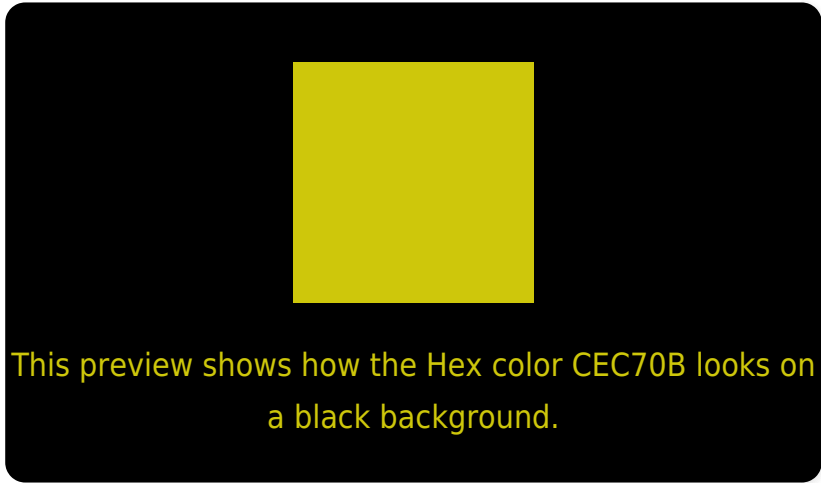
Large Text (above 18pt) WCAG AA × Fail

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 CEC70B Background



This preview shows how black text looks on a background with the Hex color CEC70B.



This preview shows how white text looks on a background with the Hex color CEC70B.

# 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**  
CEC70B

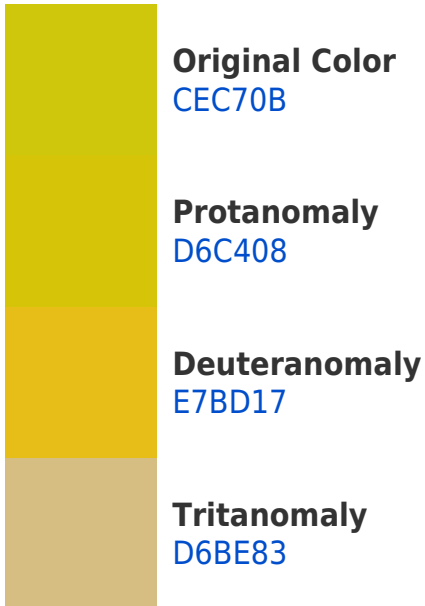
**Protanopia**  
DBC307

**Deuteranopia**  
F5B81E



**Tritanopia**  
DBB9C7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex CEC70B 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 #CEC70B looks like.

```
.text, #text, p{  
    color:#CEC70B  
}
```

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 #CEC70B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CEC70B
}
```

## Border

The CSS property to change the border of an element to Hex CEC70B 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
#CEC70B }
```

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

```
.border{ border-color:#CEC70B }
```

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

Here you see how a box with a 4 pixel #CEC70B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CEC70B; -webkit-box-shadow:4px 4px  
4px 4px #CEC70B; box-shadow:4px 4px 4px  
4px #CEC70B }
```

# Background

The CSS property to change the background color of an element to Hex CEC70B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CEC70B }
```

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

```
.background{ background-color:#CEC70B }
```

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