

# Converting Colors

Hex(C6A733)

Have a look what the booklet for  
Hex(C6A733) contains.

<b>Hex(C6A733)</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(C6A733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6A733
RGB	198, 167, 51
RGB Percent	78%, 65%, 20%
CMY	0.2235, 0.3451, 0.8000
CMYK	0.00, 0.16, 0.74, 0.22
HSL	47°, 59%, 49%
HSV	47°, 74%, 78%
XYZ	37.7050, 39.8822, 8.8427
YIQ	163.0450, 55.7120, -29.5040

# Conversions

## Conversions Part 2

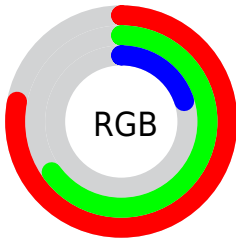
Format	Color
R <sub>Y</sub> B	90, 198, 51
Decimal	13018931
CIE Lab	69.39, -0.65, 60.61
CIE LCh	69, 60.609, 90.619
Yxy	39.8822, 0.4362, 0.4614
Android (android.graphics.Color)	4291209011 (0xFFC6A733)
YUV	163.0450, -55.2382, 30.6555
Hunter-Lab	63.1524, -3.9437, 35.9047

# Details

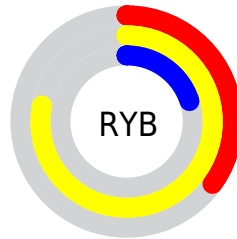
The Hex color **C6A733** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **3352C6**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **FFDE69**, and **8C7300** is the 20% darker color. If you saturate the color by 10%, you get **C6A31F**, and if you desaturate by 10%, it is **C6AB47**.

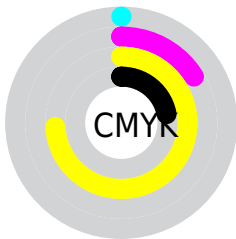
# Distribution



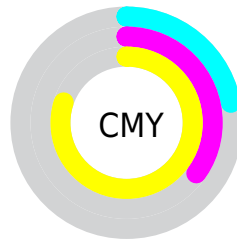
- Red (78%)
- Green (65%)
- Blue (20%)



- Red (35%)
- Yellow (78%)
- Blue (20%)



- Cyan (0%)
- Magenta (16%)
- Yellow (74%)
- Black (22%)



- Cyan (22%)
- Magenta (35%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color C6A733 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 C6A733 by changing the saturation by 10% instead.



 C6A733

 C6A733

FFFFFF

 A98D13

 FFDE69

 8C7300

 FFFA84

 705B00

 FFFFA0

 554400

 FFFFBC

 3A2E00

 FFFFFD8

 211A00

 FFFFF6

 000000

 C6A733

 C6A733

 C6A31F

 C6AB47

 C69F0B

 C6AF5B

 C69C00

 C6B46E

 C6B882

 C6BC96

 C6C0AA

 C6C4BE

 C6C8D1

 C6CDE5

# Harmonies

## Analogous

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



F19249



C6A733



8FB644

# Triad

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



C6A733



00C3E0



ED84E0

# Complementary

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



C6A733



3352C6

# 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.



AC9AFF



C6A733



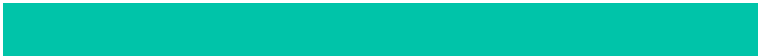
00BDFF

# Square

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



C6A733



00C4A9



1EAFFF



FF77AB

# Rectangle

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



C6A733



60BD60



1EAFFF



DC8BF0



# Sweetspot

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



C6A733



FFF3C7



C63353



80795E



000000



808080



# Same Dimension

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



C6A733



FFCF1C



9CC633



63615A



A38100



241C00



# Inverse Universe

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



3352C6



1C4CFF



5D33C6



5A5C63



0022A3



000824



# Previews

## White Background



This preview shows how the Hex color C6A733 looks on a white background.

## Color Contrast Check

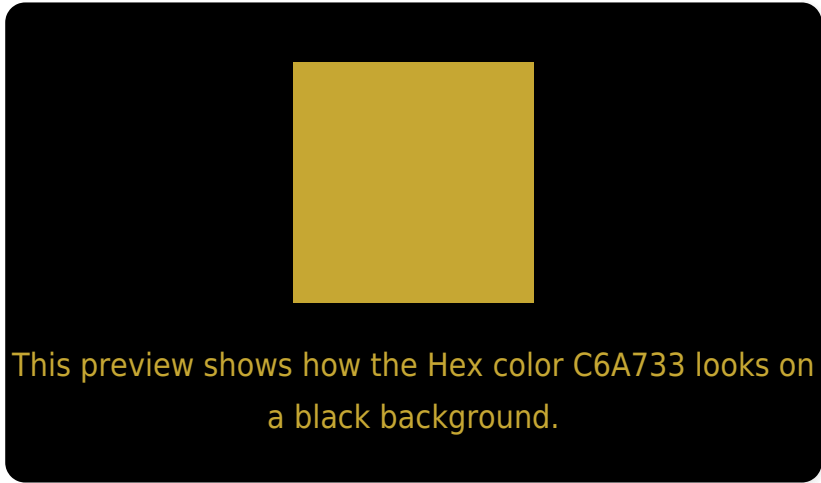
Large Text (above 18pt) WCAG AA × Fail

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 C6A733 Background



This preview shows how black text looks on a background with the Hex color C6A733.

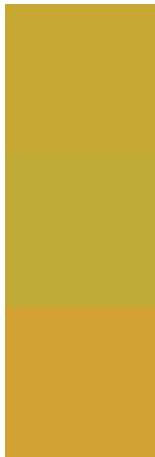


This preview shows how white text looks on a background with the Hex color C6A733.

# 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**  
C6A733

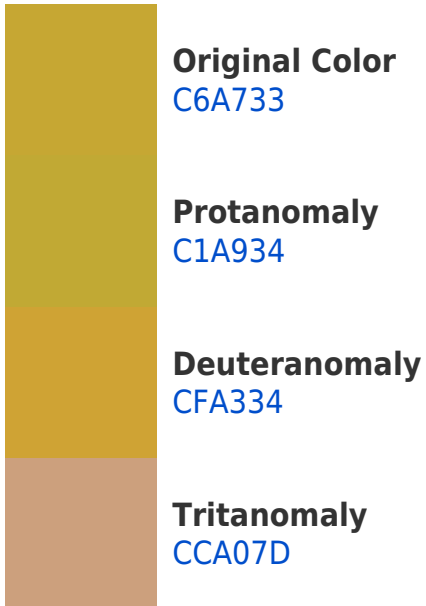
**Protanopia**  
BEAA34

**Deuteranopia**  
D4A135

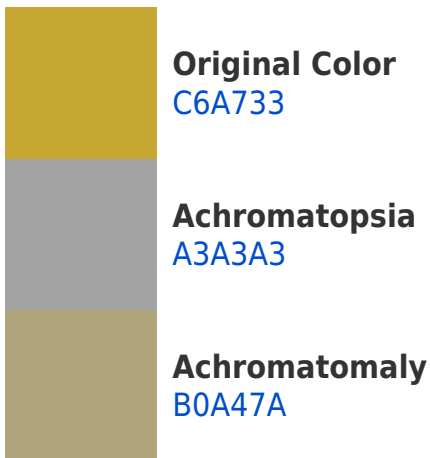


**Tritanopia**  
CF9CA8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex C6A733 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 #C6A733 looks like.

```
.text, #text, p{  
    color:#C6A733  
}
```

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 #C6A733 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #C6A733
}
```

## Border

The CSS property to change the border of an element to Hex C6A733 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
#C6A733 }
```

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

```
.border{ border-color:#C6A733 }
```

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

Here you see how a box with a 4 pixel #C6A733 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #C6A733; -webkit-box-shadow:4px 4px  
4px 4px #C6A733; box-shadow:4px 4px 4px  
4px #C6A733 }
```

# Background

The CSS property to change the background color of an element to Hex C6A733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#C6A733 }
```

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

```
.background{ background-color:#C6A733 }
```

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