

# Converting Colors

Hex(CAA83E)

Have a look what the booklet for  
Hex(CAA83E) contains.

<b>Hex(CAA83E)</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(CAA83E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAA83E
RGB	202, 168, 62
RGB Percent	79%, 66%, 24%
CMY	0.2078, 0.3412, 0.7569
CMYK	0.00, 0.17, 0.69, 0.21
HSL	45°, 57%, 52%
HSV	45°, 69%, 79%
XYZ	39.2293, 40.9096, 10.3862
YIQ	166.0820, 54.2900, -25.7580

# Conversions

## Conversions Part 2

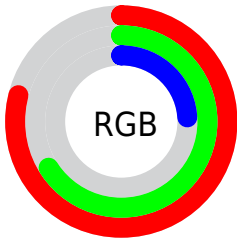
Format	Color
<a href="#">RYB</a>	<a href="#">107, 202, 62</a>
Decimal	<a href="#">13281342</a>
CIELab	<a href="#">70.11, 1.10, 57.09</a>
CIELCh	<a href="#">70, 57.098, 88.899</a>
Yxy	<a href="#">40.9096, 0.4334, 0.4519</a>
Android (android.graphics.Color)	<a href="#">4291471422</a> ( <a href="#">0xFFCAA83E</a> )
YUV	<a href="#">166.0820, -51.3124, 31.5001</a>
Hunter-Lab	<a href="#">63.9606, -2.4509, 35.1447</a>

# Details

The Hex color **CAA83E** 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 **3E60CA**, and the grayscale version is **A7A7A7**.

A 20% lighter version of the original color is **FFDF73**, and **907400** is the 20% darker color. If you saturate the color by 10%, you get **CAA32A**, and if you desaturate by 10%, it is **CAAD52**.

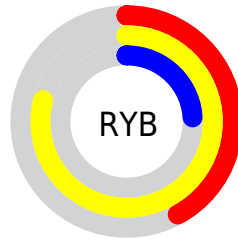
# Distribution



Red (79%)

Green (66%)

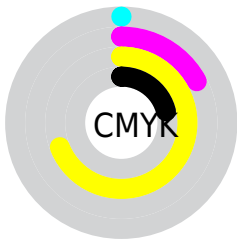
Blue (24%)



Red (42%)

Yellow (79%)

Blue (24%)

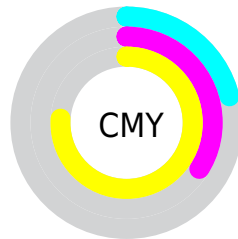


Cyan (0%)

Magenta (17%)

Yellow (69%)

Black (21%)



Cyan (21%)

Magenta (34%)

Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CAA83E 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 CAA83E by changing the saturation by 10% instead.



CAA83E

CAA83E

FFFFFF

AD8E22

FFDF73

907400

FFFB8E

745C00

FFFFAA

594500

FFFFC6

3E2F00

FFFFE2

251A00

030000

000000

CAA83E

CAA83E

■ CAA32A

■ CAAD52

■ CA9E16

■ CAB266

■ CA9901

■ CAB77B

■ CA9900

■ CABC8F

■ CAC1A3

■ CAC5B7

■ CACACB

■ CACFE0

■ CAD4F4

# Harmonies

## Analogous

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



F29553



CAA83E



96B74B

# Triad

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



CAA83E



00C4DC



E98AE2

# Complementary

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



CAA83E



3E60CA

# 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.



AA9FFF



CAA83E



00BEFF

# Square

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



CAA83E



00C5A8



31B2FF



FF7EAF

# Rectangle

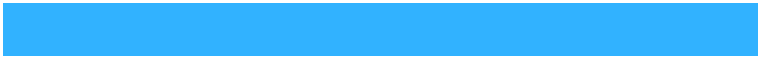
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



CAA83E



6CBE64



31B2FF



D890F0



# Sweetspot

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



CAA83E



FFF2C9



CA3E61



807860



000000



808080



# Same Dimension

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



CAA83E



FFCC2B



A7CA3E



66645C



A67D00



261D00



# Inverse Universe

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



3E60CA



2B5FFF



613ECA



5C5E66



0028A6



000926



# Previews

## White Background



This preview shows how the Hex color CAA83E looks on a white background.

## Color Contrast Check

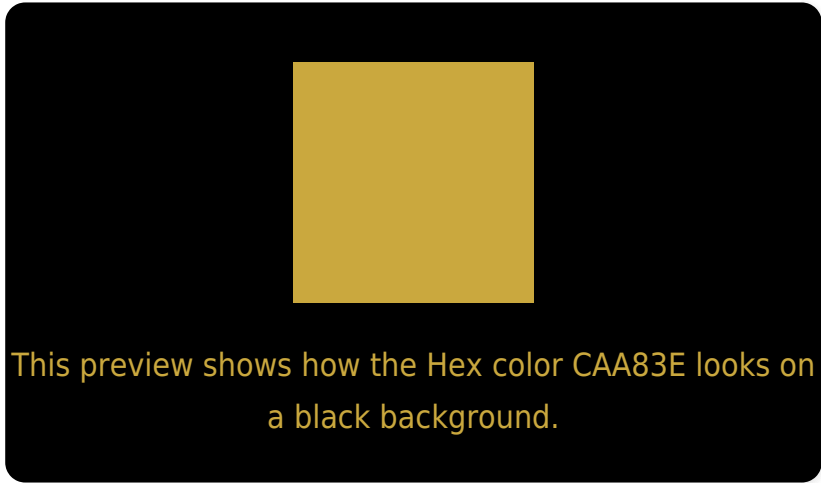
Large Text (above 18pt) WCAG AA × Fail

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 CAA83E Background



This preview shows how black text looks on a background with the Hex color CAA83E.

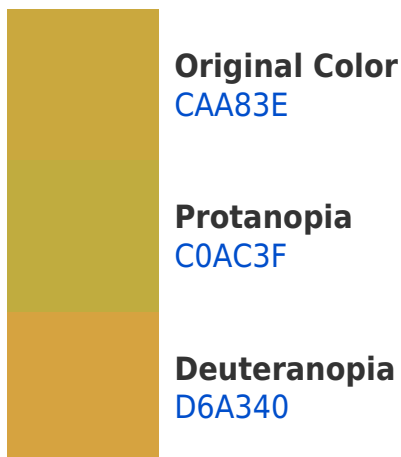


This preview shows how white text looks on a background with the Hex color CAA83E.

# 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](#).

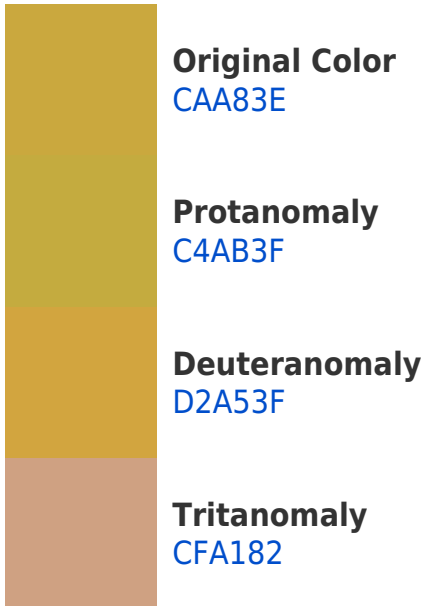
## Dichromacy



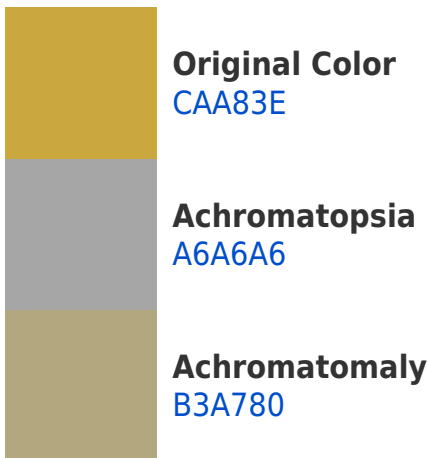


**Tritanopia**  
D29DA9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex CAA83E 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 #CAA83E looks like.

```
.text, #text, p{  
    color:#CAA83E  
}
```

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 #CAA83E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CAA83E
}
```

## Border

The CSS property to change the border of an element to Hex CAA83E 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
#CAA83E }
```

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

```
.border{ border-color:#CAA83E }
```

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

Here you see how a box with a 4 pixel #CAA83E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CAA83E; -webkit-box-shadow:4px 4px  
4px 4px #CAA83E; box-shadow:4px 4px 4px  
4px #CAA83E }
```

# Background

The CSS property to change the background color of an element to Hex CAA83E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CAA83E }
```

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

```
.background{ background-color:#CAA83E }
```

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