

# Converting Colors

Hex(C66A21)

Have a look what the booklet for  
Hex(C66A21) contains.

<b>Hex(C66A21)</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(C66A21)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C66A21
RGB	198, 106, 33
RGB Percent	78%, 42%, 13%
CMY	0.2235, 0.5843, 0.8706
CMYK	0.00, 0.46, 0.83, 0.22
HSL	27°, 71%, 45%
HSV	27°, 83%, 78%
XYZ	28.7173, 22.4236, 4.2535
YIQ	125.1860, 78.2650, -3.1990

# Conversions

## Conversions Part 2

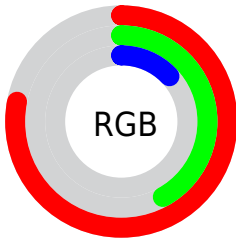
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 164, 33
Decimal	13003297
CIELab	54.47, 31.74, 53.64
CIELCh	54, 62.333, 59.385
Yxy	22.4236, 0.5184, 0.4048
Android (android.graphics.Color)	4291193377 (0xFFC66A21)
YUV	125.1860, -45.4477, 63.8579
Hunter-Lab	47.3536, 25.3812, 27.8219

# Details

The Hex color **C66A21** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **217DC6**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **FF9E54**, and **8A3900** is the 20% darker color. If you saturate the color by 10%, you get **C65F0D**, and if you desaturate by 10%, it is **C67535**.

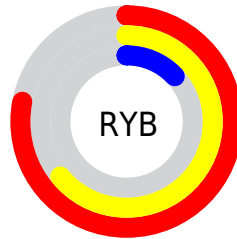
# Distribution



Red (78%)

Green (42%)

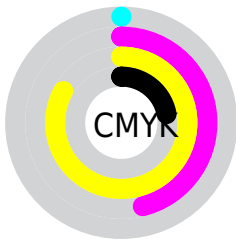
Blue (13%)



Red (78%)

Yellow (64%)

Blue (13%)

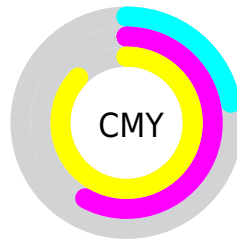


Cyan (0%)

Magenta (46%)

Yellow (83%)

Black (22%)



Cyan (22%)

Magenta (58%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color C66A21 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 C66A21 by changing the saturation by 10% instead.



 C66A21

 C66A21

FFFFFF

 A85101

 FF9E54

 8A3900

 FFBA6E

 6C2100

 FFD688

 4F0700

 FFF2A3

 340000

 FFFFBF

 120000

 FFFFDB

 000000

 FFFF8

 C66A21

 C66A21

 C65F0D

 C67535

 C65800

 C68049

 C68B5C

 C69670

 C6A184

 C6AC98

 C6B7AC

 C6C2BF

 C6CDD3

# Harmonies

## Analogous

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



DF5351



C66A21



9D7F00

# Triad

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



C66A21



009B80



7E74E1

# Complementary

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



C66A21



217DC6

# 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.



0089EF



C66A21



009BB6

# Square

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



C66A21



009748



0095DF



C15BBA

# Rectangle

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



C66A21



7B8A00



0095DF



597CE9



# Sweetspot

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



C66A21



FFDBBF



C6217E



806A59



000000



808080



# Same Dimension

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



C66A21



FF7100



C6BB21



635E5A



A34800



241000

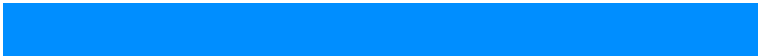


# Inverse Universe

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



217DC6



008EFF



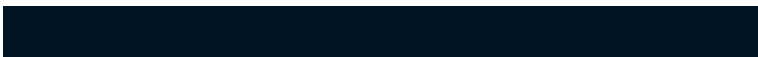
212CC6



5A5F63



005BA3



001424



# Previews

## White Background



This preview shows how the Hex color C66A21 looks on a white background.

## Color Contrast Check

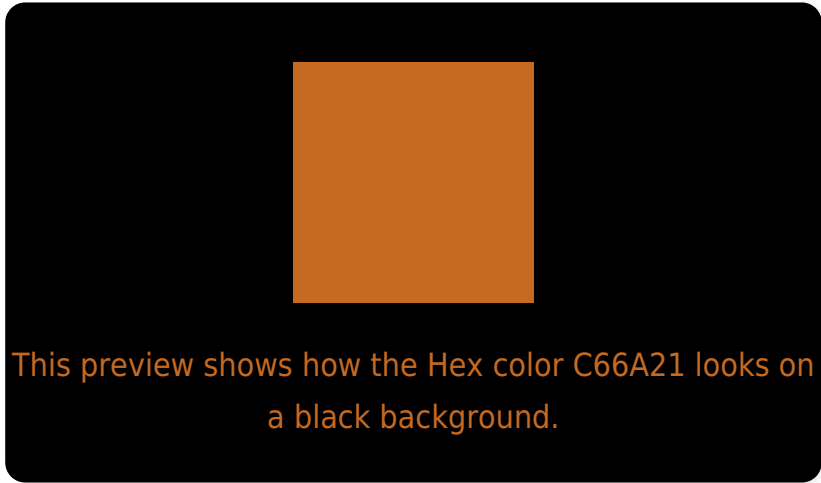
Large Text (above 18pt) WCAG AA ✓ Pass

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

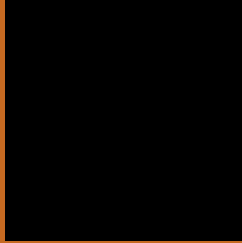
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex C66A21 Background



This preview shows how black text looks on a background with the Hex color C66A21.



This preview shows how white text looks on a background with the Hex color C66A21.

# 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**  
C66A21

**Protanopia**  
938327

**Deuteranopia**  
A57C18



**Tritanopia**  
C9636A

# Trichromacy



**Original Color**  
C66A21

**Protanomaly**  
A67A25

**Deuteranomaly**  
B1751B

**Tritanomaly**  
C8664F

# Monochromacy



**Original Color**  
C66A21

**Achromatopsia**  
7D7D7D

**Achromatomaly**  
98765C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex C66A21 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 #C66A21 looks like.

```
.text, #text, p{  
    color:#C66A21  
}
```

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 #C66A21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #C66A21
}
```

## Border

The CSS property to change the border of an element to Hex C66A21 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
#C66A21 }
```

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

```
.border{ border-color:#C66A21 }
```

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

Here you see how a box with a 4 pixel #C66A21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #C66A21; -webkit-box-shadow:4px 4px  
4px 4px #C66A21; box-shadow:4px 4px 4px  
4px #C66A21 }
```

# Background

The CSS property to change the background color of an element to Hex C66A21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#C66A21 }
```

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

```
.background{ background-color:#C66A21 }
```

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