

# Converting Colors

Hex(836C34)

Have a look what the booklet for  
Hex(836C34) contains.

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**Color**

**Hex(836C34)**

# Conversions

## Conversions Part 1

Format	Color
Hex	836C34
RGB	131, 108, 52
RGB Percent	51%, 42%, 20%
CMY	0.4863, 0.5765, 0.7961
CMYK	0.00, 0.18, 0.60, 0.49
HSL	43°, 43%, 36%
HSV	43°, 60%, 51%
XYZ	15.3425, 15.7984, 5.4896
YIQ	108.4930, 31.6840, -12.5400

# Conversions

## Conversions Part 2

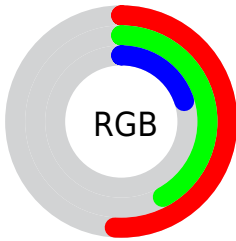
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 131, 52
Decimal	8612916
CIE <sub>Lab</sub>	46.71, 1.95, 34.23
CIE <sub>LCh</sub>	47, 34.289, 86.747
Yxy	15.7984, 0.4188, 0.4313
Android (android.graphics.Color)	4286802996 (0xFF836C34)
YUV	108.4930, -27.8510, 19.7386
Hunter-Lab	39.7471, -0.6562, 19.6343

# Details

The Hex color **836C34** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **344B83**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **BA9F64**, and **4F3D04** is the 20% darker color. If you saturate the color by 10%, you get **836827**, and if you desaturate by 10%, it is **837041**.

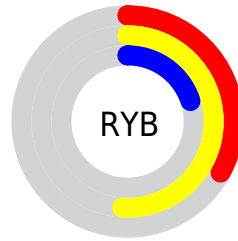
# Distribution



Red (51%)

Green (42%)

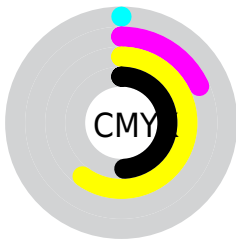
Blue (20%)



Red (33%)

Yellow (51%)

Blue (20%)

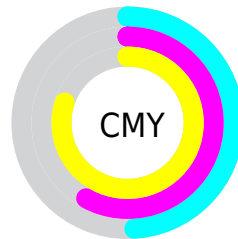


Cyan (0%)

Magenta (18%)

Yellow (60%)

Black (49%)



Cyan (49%)

Magenta (58%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 836C34 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 836C34 by changing the saturation by 10% instead.



 836C34

 836C34

FFFFFF

 69541D

 BA9F64

 4F3D04

 D7BA7E

 362700

 F4D698

 1E1300

 FFF2B3

 000000

 FFFFCF

 FFFFEB

 836C34

 836C34

 836827

 837041

■ 83641A

■ 83744E

■ 83610D

■ 83775B

■ 835D00

■ 837B68

■ 837F76

■ 838383

■ 838790

■ 838B9D

■ 838EAA

# Harmonies

## Analogous

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



99623F



836C34



66753A

# Triad

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



836C34



007D88



905E8F

# Complementary

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



836C34



344B83

# 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.



6C68A2



836C34



007A9E

# Square

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



836C34



007D6A



3773A8



A25773

# Rectangle

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



836C34



507946



3773A8



866196



# Sweetspot

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



836C34



ABA28C



83344C



575144



D6D6D6



575757



# Same Dimension

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



836C34



AB8730



738334



42403C



825C00



030200



# Inverse Universe

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



344B83



3054AB



443483



3C3E42



002682



000103



# Previews

## White Background



This preview shows how the Hex color 836C34 looks on a white background.

## Color Contrast Check

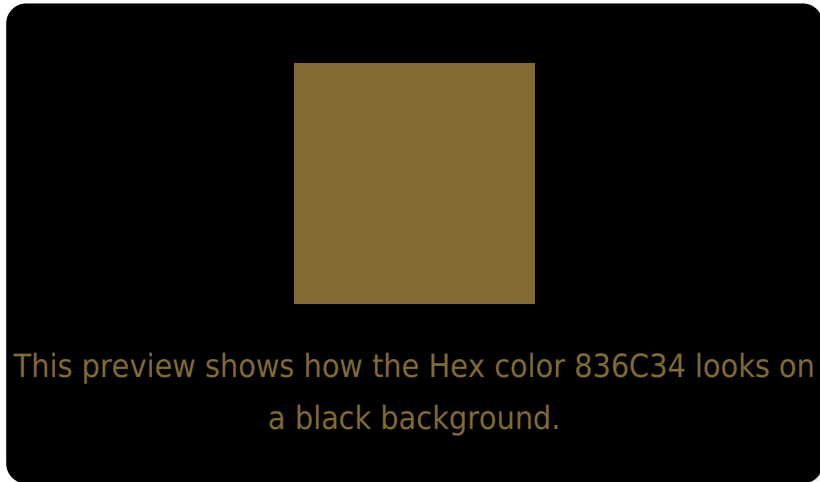
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

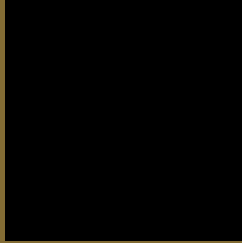
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 836C34 Background



This preview shows how black text looks on a background with the Hex color 836C34.



This preview shows how white text looks on a background with the Hex color 836C34.

# 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**  
836C34

**Protanopia**  
7B6F35

**Deuteranopia**  
896A35



**Tritanopia**  
88666E

# Trichromacy



**Original Color**  
836C34

**Protanomaly**  
7E6E35

**Deuteranomaly**  
876B35

**Tritanomaly**  
866859

# Monochromacy



**Original Color**  
836C34

**Achromatopsia**  
6C6C6C

**Achromatomaly**  
746C58

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 836C34 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 #836C34 looks like.

```
.text, #text, p{  
    color:#836C34  
}
```

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 #836C34 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #836C34
}
```

## Border

The CSS property to change the border of an element to Hex 836C34 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
#836C34 }
```

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

```
.border{ border-color:#836C34 }
```

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

Here you see how a box with a 4 pixel #836C34 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #836C34; -webkit-box-shadow:4px 4px  
4px 4px #836C34; box-shadow:4px 4px 4px  
4px #836C34 }
```

# Background

The CSS property to change the background color of an element to Hex 836C34 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#836C34 }
```

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

```
.background{ background-color:#836C34 }
```

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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