

# Converting Colors

Hex(636736)

Have a look what the booklet for  
Hex(636736) contains.

<b>Hex(636736)</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(636736)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	636736
RGB	99, 103, 54
RGB Percent	39%, 40%, 21%
CMY	0.6118, 0.5961, 0.7882
CMYK	0.04, 0.00, 0.48, 0.60
HSL	65°, 31%, 31%
HSV	65°, 48%, 40%
XYZ	10.6617, 12.6195, 5.3639
YIQ	96.2180, 13.3450, -16.0870

# Conversions

## Conversions Part 2

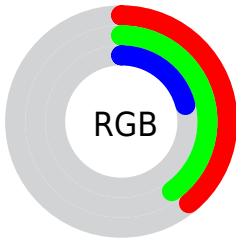
<b>Format</b>	<b>Color</b>
<b>RYB</b>	54, 103, 58
Decimal	6514486
CIELab	42.18, -9.66, 27.00
CIELCh	42, 28.675, 109.678
Yxy	12.6195, 0.3722, 0.4405
Android (android.graphics.Color)	4284704566 (0xFF636736)
YUV	96.2180, -20.8135, 2.4398
Hunter-Lab	35.5239, -8.5942, 15.9143

# Details

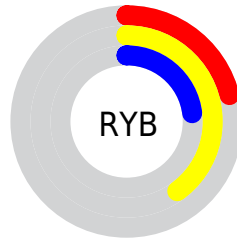
The Hex color **636736** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3A3667**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **979A66**, and **333809** is the 20% darker color. If you saturate the color by 10%, you get **62672C**, and if you desaturate by 10%, it is **646740**.

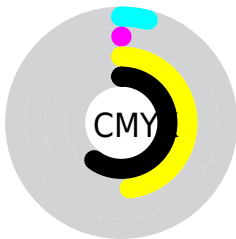
# Distribution



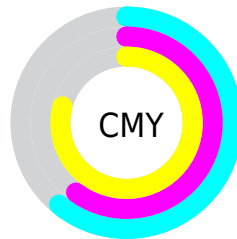
- Red (39%)
- Green (40%)
- Blue (21%)



- Red (21%)
- Yellow (40%)
- Blue (23%)



- Cyan (4%)
- Magenta (0%)
- Yellow (48%)
- Black (60%)



- Cyan (61%)
- Magenta (60%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 636736 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 636736 by changing the saturation by 10% instead.



 636736

 636736

FFFFFF

 4A4F1F

 979A66

 333809

 B2B57F

 1D2300

 CED099

 000E00

 EAEDB4

 000000

 FFFFD0

 FFFFED

 636736

 636736

 62672C

 646740

■ 616721

■ 65674B

■ 606717

■ 666755

■ 60670D

■ 66675F

■ 5F6702

■ 67676A

■ 5F6700

■ 686774

■ 69677E

■ 6A6788

■ 6B6793

# Harmonies

## Analogous

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



7A5F35



636736



486C44

# Triad

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



636736



006E87



8C526D

# Complementary

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



636736



3A3667

# 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.



795882



636736



2E6892

# Square

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



636736



007073



5A6090



915155

# Rectangle

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



636736



336F52



5A6090



875374



# Sweetspot

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



636736



868774



673936



444539



C4C4C4



454545



# Same Dimension

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



636736



81873A



4B6736



33332E



697300



DEF200



# Inverse Universe

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



3A3667



403A87



523667



2E2E33



090073



1400F2



# Previews

## White Background



This preview shows how the Hex color 636736 looks on a white background.

## Color Contrast Check

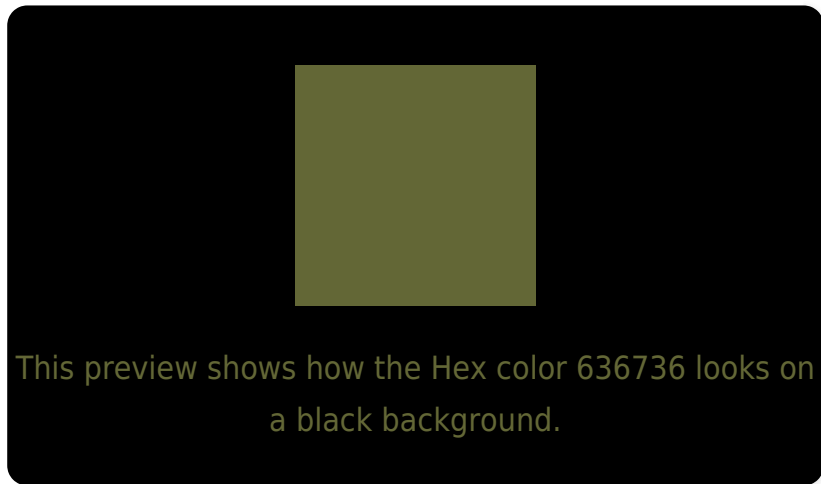
Large Text (above 18pt) WCAG AA ✓ Pass

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

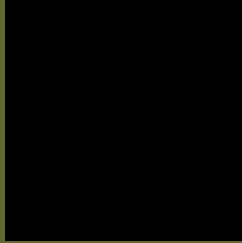
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 636736 Background



This preview shows how black text looks on a background with the Hex color 636736.



This preview shows how white text looks on a background with the Hex color 636736.

# 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**  
636736

**Protanopia**  
6E6435

**Deuteranopia**  
795F38



**Tritanopia**  
696169

# Trichromacy



**Original Color**  
636736

**Protanomaly**  
6A6535

**Deuteranomaly**  
716237

**Tritanomaly**  
676356

# Monochromacy



**Original Color**  
636736

**Achromatopsia**  
606060

**Achromatomaly**  
616351

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 636736 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 #636736 looks like.

```
.text, #text, p{  
    color:#636736  
}
```

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 #636736 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #636736
}
```

## Border

The CSS property to change the border of an element to Hex 636736 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
#636736 }
```

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

```
.border{ border-color:#636736 }
```

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

Here you see how a box with a 4 pixel #636736 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #636736; -webkit-box-shadow:4px 4px  
4px 4px #636736; box-shadow:4px 4px 4px  
4px #636736 }
```

# Background

The CSS property to change the background color of an element to Hex 636736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#636736 }
```

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

```
.background{ background-color:#636736 }
```

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