

# Converting Colors

Hex(687036)

Have a look what the booklet for  
Hex(687036) contains.

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**Color**

**Hex(687036)**

# Conversions

## Conversions Part 1

Format	Color
Hex	687036
RGB	104, 112, 54
RGB Percent	41%, 44%, 21%
CMY	0.5922, 0.5608, 0.7882
CMYK	0.07, 0.00, 0.52, 0.56
HSL	68°, 35%, 33%
HSV	68°, 52%, 44%
XYZ	12.1689, 14.7977, 5.7049
YIQ	102.9960, 13.8500, -19.7340

# Conversions

## Conversions Part 2

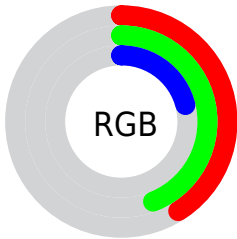
<b>Format</b>	<b>Color</b>
<b>RYB</b>	54, 112, 62
Decimal	6844470
CIELab	45.36, -12.46, 30.95
CIELCh	45, 33.362, 111.932
Yxy	14.7977, 0.3725, 0.4529
Android (android.graphics.Color)	4285034550 (0xFF687036)
YUV	102.9960, -24.1550, 0.8805
Hunter-Lab	38.4678, -10.8519, 18.1346

# Details

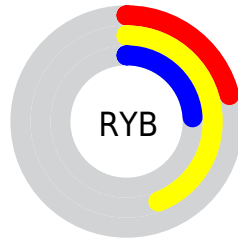
The Hex color **687036** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3E3670**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **9CA466**, and **374007** is the 20% darker color. If you saturate the color by 10%, you get **66702B**, and if you desaturate by 10%, it is **6A7041**.

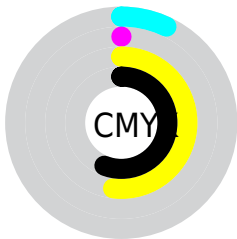
# Distribution



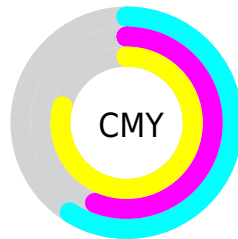
- Red (41%)
- Green (44%)
- Blue (21%)



- Red (21%)
- Yellow (44%)
- Blue (24%)



- Cyan (7%)
- Magenta (0%)
- Yellow (52%)
- Black (56%)



- Cyan (59%)
- Magenta (56%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 687036 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 687036 by changing the saturation by 10% instead.





687036



687036

FFFFFF



4F581F



9CA466



374007



B8BF80



212A00



D4DB9A



001700



F0F7B5



000000



FFFFD1



FFFEE



687036



687036



66702B



6A7041

■ 657020

■ 6B704C

■ 637014

■ 6D7058

■ 627009

■ 6E7063

■ 617000

■ 70706E

■ 717079

■ 737084

■ 747090

■ 76709B

# Harmonies

## Analogous

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



836733



687036



477648

# Triad

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



687036



007796



9B5574

# Complementary

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



687036



3E3670

# 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.



875C8E



687036



2A70A2

# Square

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



687036



007A7F



62679F



A05658

# Rectangle

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



687036



2B7959



62679F



96577D



# Sweetspot

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



687036



8E917A



703E36



484A3C



C9C9C9



4A4A4A



# Same Dimension

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



687036



859137



4B7036



373832



677800



D5F700



# Inverse Universe

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



3E3670



443791



5B3670



333238



110078



2200F7



# Previews

## White Background



This preview shows how the Hex color 687036 looks on a white background.

## Color Contrast Check

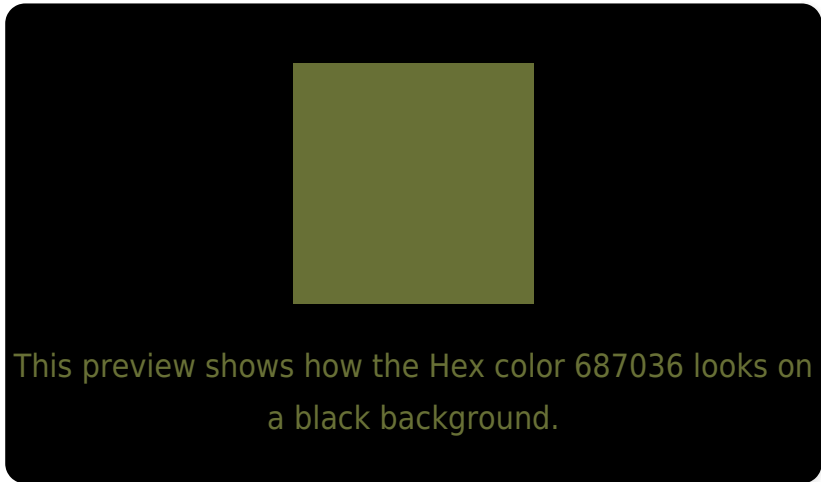
Large Text (above 18pt) WCAG AA ✓ Pass

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 687036 Background



This preview shows how black text looks on a background with the Hex color 687036.



This preview shows how white text looks on a background with the Hex color 687036.

# 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**  
687036

**Protanopia**  
776B34

**Deuteranopia**  
836639



**Tritanopia**  
6F6972

# Trichromacy



**Original Color**  
687036

**Protanomaly**  
726D35

**Deuteranomaly**  
796A38

**Tritanomaly**  
6C6C5C

# Monochromacy



**Original Color**  
687036

**Achromatopsia**  
676767

**Achromatomaly**  
676A55

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 687036 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 #687036 looks like.

```
.text, #text, p{  
    color:#687036  
}
```

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 #687036 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #687036
}
```

## Border

The CSS property to change the border of an element to Hex 687036 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
#687036 }
```

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

```
.border{ border-color:#687036 }
```

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

Here you see how a box with a 4 pixel #687036 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #687036; -webkit-box-shadow:4px 4px  
4px 4px #687036; box-shadow:4px 4px 4px  
4px #687036 }
```

# Background

The CSS property to change the background color of an element to Hex 687036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#687036 }
```

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

```
.background{ background-color:#687036 }
```

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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