

# Converting Colors

Hex(686D13)

Have a look what the booklet for  
Hex(686D13) contains.

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**Color**

**Hex(686D13)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	686D13
RGB	104, 109, 19
RGB Percent	41%, 43%, 7%
CMY	0.5922, 0.5725, 0.9255
CMYK	0.05, 0.00, 0.83, 0.57
HSL	63°, 70%, 25%
HSV	63°, 83%, 43%
XYZ	11.2951, 13.9274, 2.7090
YIQ	97.2450, 25.9100, -29.0500

# Conversions

## Conversions Part 2

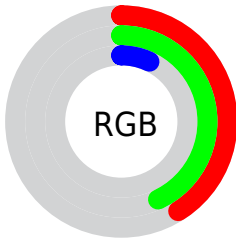
<b>Format</b>	<b>Color</b>
<b>RYB</b>	19, 109, 24
Decimal	6843667
CIELab	44.13, -13.35, 45.28
CIELCh	44, 47.211, 106.430
Yxy	13.9274, 0.4044, 0.4986
Android (android.graphics.Color)	4285033747 (0xFF686D13)
YUV	97.2450, -38.5748, 5.9241
Hunter-Lab	37.3194, -11.2840, 21.8197

# Details

The Hex color **686D13** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **18136D**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **9EA047**, and **363E00** is the 20% darker color. If you saturate the color by 10%, you get **676D08**, and if you desaturate by 10%, it is **696D1E**.

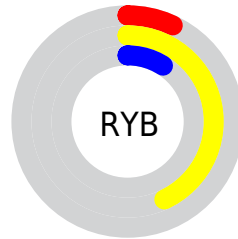
# Distribution



Red (41%)

Green (43%)

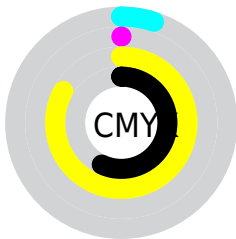
Blue (7%)



Red (7%)

Yellow (43%)

Blue (9%)

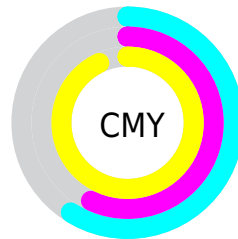


Cyan (5%)

Magenta (0%)

Yellow (83%)

Black (57%)



Cyan (59%)

Magenta (57%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 686D13 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 686D13 by changing the saturation by 10% instead.





686D13



686D13

FFFFFF



4E5500



9EA047



363E00



BABB61



1D2800



D6D77B



001500



F3F395



000000



FFFFB1



FFFPCD



FFFFE9



686D13



686D13

■ 676D08

■ 696D1E

■ 676D00

■ 696D29

■ 6A6D34

■ 6A6D3F

■ 6B6D4A

■ 6C6D54

■ 6C6D5F

■ 6D6D6A

■ 6D6D75

# Harmonies

## Analogous

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



8B6015



686D13



3A752F

# Triad

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



686D13



0079A0



A6467C

# Complementary

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



686D13



18136D

# 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.



86549F



686D13



0072B5

# Square

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



686D13



007B7D



4665B4



AF4454

# Rectangle

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



686D13



007947



4665B4



9E4A88



# Sweetspot

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



686D13



8D8F6B



6D1813



464732



C7C7C7



474747



# Same Dimension

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



686D13



878F01



3B6D13



353630



6F7500



E7F500



# Inverse Universe

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



18136D



09018F



44136D



303036



070075



0E00F5



# Previews

## White Background



This preview shows how the Hex color 686D13 looks on a white background.

## Color Contrast Check

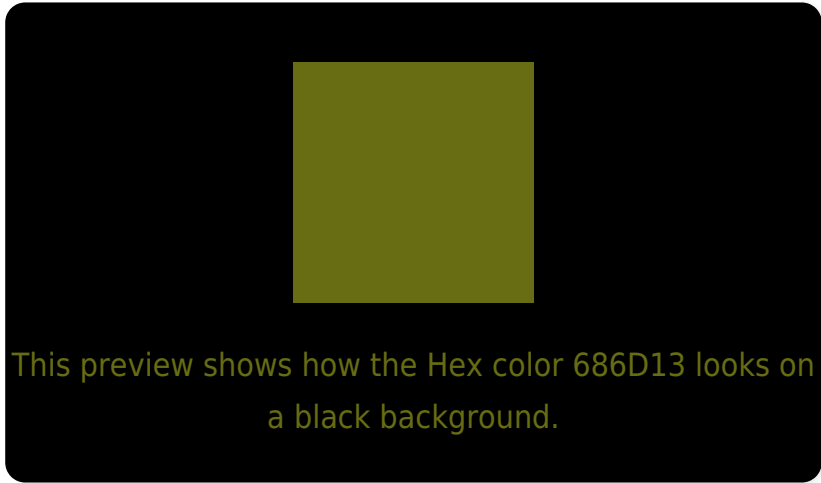
Large Text (above 18pt) WCAG AA ✓ Pass

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

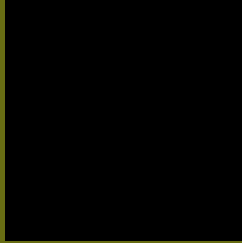
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 686D13 Background



This preview shows how black text looks on a background with the Hex color 686D13.



This preview shows how white text looks on a background with the Hex color 686D13.

# 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](#).

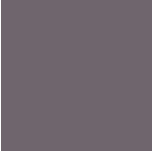
## Dichromacy



**Original Color**  
686D13

**Protanopia**  
766912

**Deuteranopia**  
836319



**Tritanopia**  
6F656D

# Trichromacy



**Original Color**  
686D13

**Protanomaly**  
716A12

**Deuteranomaly**  
796717

**Tritanomaly**  
6C684C

# Monochromacy



**Original Color**  
686D13

**Achromatopsia**  
616161

**Achromatomaly**  
646545

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 686D13 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 #686D13 looks like.

```
.text, #text, p{  
    color:#686D13  
}
```

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 #686D13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #686D13
}
```

## Border

The CSS property to change the border of an element to Hex 686D13 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
#686D13 }
```

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

```
.border{ border-color:#686D13 }
```

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

Here you see how a box with a 4 pixel #686D13 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #686D13; -webkit-box-shadow:4px 4px  
4px 4px #686D13; box-shadow:4px 4px 4px  
4px #686D13 }
```

# Background

The CSS property to change the background color of an element to Hex 686D13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#686D13 }
```

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

```
.background{ background-color:#686D13 }
```

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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