

# Converting Colors

Hex(686877)

Have a look what the booklet for  
Hex(686877) contains.

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# Color

**Hex(686877)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	686877
RGB	104, 104, 119
RGB Percent	41%, 41%, 47%
CMY	0.5922, 0.5922, 0.5333
CMYK	0.13, 0.13, 0.00, 0.53
HSL	240°, 7%, 44%
HSV	240°, 13%, 47%
XYZ	13.9890, 14.1756, 19.4516
YIQ	105.7100, -4.8150, 4.6650

# Conversions

## Conversions Part 2

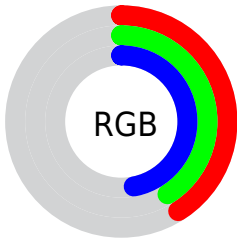
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 104, 119
Decimal	6842487
CIE <sub>Lab</sub>	44.48, 3.28, -8.36
CIE <sub>LCh</sub>	44, 8.980, 291.447
Yxy	14.1756, 0.2938, 0.2977
Android (android.graphics.Color)	4285032567 (0xFF686877)
YUV	105.7100, 6.5520, -1.4997
Hunter-Lab	37.6505, 0.4332, -4.2760

# Details

The Hex color **686877** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **777768**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **9B9BAB**, and **393947** is the 20% darker color. If you saturate the color by 10%, you get **5C5C77**, and if you desaturate by 10%, it is **747477**.

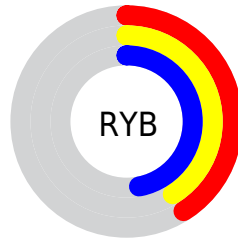
# Distribution



Red (41%)

Green (41%)

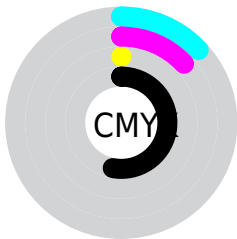
Blue (47%)



Red (41%)

Yellow (41%)

Blue (47%)

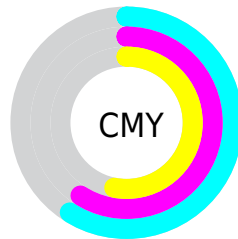


Cyan (13%)

Magenta (13%)

Yellow (0%)

Black (53%)



Cyan (59%)

Magenta (59%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 686877 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 686877 by changing the saturation by 10% instead.



■ 686877

■ 686877

FFFFFF

■ 50505E

■ 9B9BAB

■ 393947

■ B6B6C6

■ 232430

■ D2D1E2

■ 0F0E1B

■ EEEEFF

■ 000000

■ 686877

■ 686877

■ 5C5C77

■ 747477

■ 505077

■ 808077

■ 444477

■ 8C8C77

■ 383877

■ 989877

■ 2D2D77

■ A3A377

■ 212177

■ AFAF77

■ 151577

■ BBBB77

■ 090977

■ C7C777

■ 000077

■ D3D377

# Harmonies

## Analogous

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



5F6A78



686877



716673

# Triad

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



686877



77665E



5A6D67

# Complementary

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



686877



777768

# 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.



616C60



686877



71685B

# Square

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



686877



796464



696A5B



566E6E

# Rectangle

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



686877



75656E



696A5B



5C6D64



# Sweetspot

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



686877



95959C



687777



4B4B4F



CFCFCF



4F4F4F



# Same Dimension

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



686877



84849C



6F6877



35353B



00007A



0000FA



# Inverse Universe

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



776877



9C849C



6F7768



3B353B



7A007A

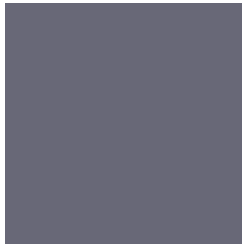


FA00FA



# Previews

## White Background



This preview shows how the Hex color 686877 looks on a white background.

## Color Contrast Check

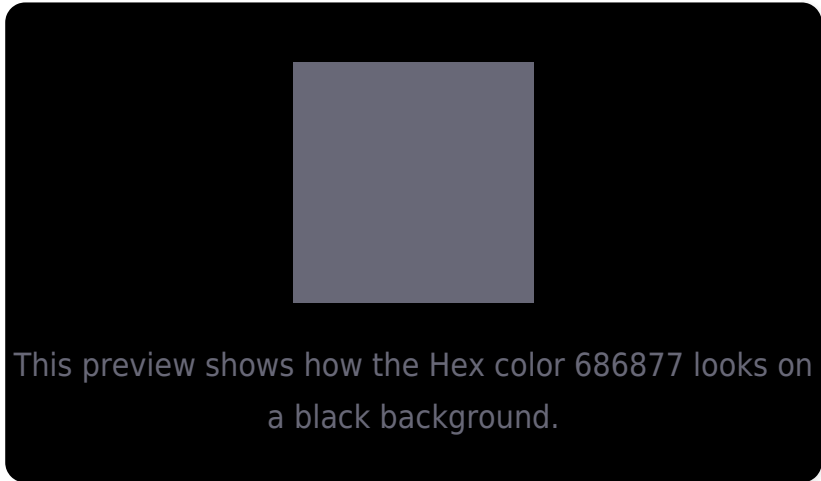
Large Text (above 18pt) WCAG AA ✓ Pass

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

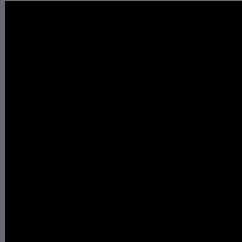
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 686877 Background



This preview shows how black text looks on a background with the Hex color 686877.



This preview shows how white text looks on a background with the Hex color 686877.

# 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**


686877

**Protanopia**

676877

**Deuteranopia**

6D6677



**Tritanopia**  
676971

# Trichromacy



**Original Color**  
686877

**Protanomaly**  
676877

**Deuteranomaly**  
6B6777

**Tritanomaly**  
676973

# Monochromacy



**Original Color**  
686877

**Achromatopsia**  
6A6A6A

**Achromatomaly**  
69696F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 686877 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 #686877 looks like.

```
.text, #text, p{  
    color:#686877  
}
```

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 #686877 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #686877
}
```

## Border

The CSS property to change the border of an element to Hex 686877 is called "border". The border property can be set on classes, ids or directly on the HTML element.

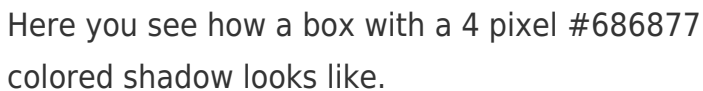
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#686877 }
```

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

```
.border{ border-color:#686877 }
```

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



Here you see how a box with a 4 pixel #686877 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #686877; -webkit-box-shadow:4px 4px  
4px 4px #686877; box-shadow:4px 4px 4px  
4px #686877 }
```

# Background

The CSS property to change the background color of an element to Hex 686877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#686877 }
```

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

```
.background{ background-color:#686877 }
```

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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