

# Converting Colors

Hex(68006B)

Have a look what the booklet for  
Hex(68006B) contains.

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# Color

**Hex(68006B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	68006B
RGB	104, 0, 107
RGB Percent	41%, 0%, 42%
CMY	0.5922, 1.0000, 0.5804
CMYK	0.03, 1.00, 0.00, 0.58
HSL	298°, 100%, 21%
HSV	298°, 100%, 42%
XYZ	8.3628, 4.0046, 14.2421
YIQ	43.2940, 27.6370, 55.3250

# Conversions

## Conversions Part 2

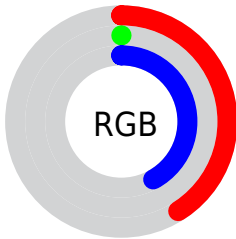
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 0, 107
Decimal	6815851
CIE <sub>Lab</sub>	23.69, 51.32, -33.10
CIE <sub>LCh</sub>	24, 61.070, 327.182
Yxy	4.0046, 0.3143, 0.1505
Android (android.graphics.Color)	4285005931 (0xFF68006B)
YUV	43.2940, 31.4071, 53.2392
Hunter-Lab	20.0115, 39.5747, -28.1885

# Details

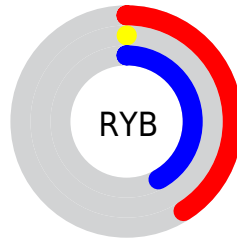
The Hex color **68006B** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **036B00**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **9E419F**, and **35003B** is the 20% darker color. If you saturate the color by 10%, you get **68006B**, and if you desaturate by 10%, it is **680B6B**.

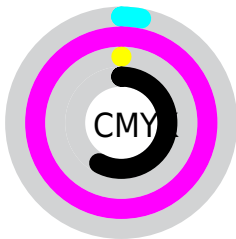
# Distribution



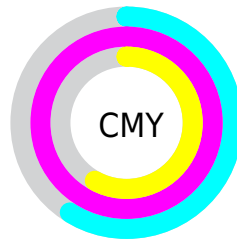
- Red (41%)
- Green (0%)
- Blue (42%)



- Red (41%)
- Yellow (0%)
- Blue (42%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (58%)



- Cyan (59%)
- Magenta (100%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68006B 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 68006B by changing the saturation by 10% instead.



 68006B

 68006B

FFFFFF

 4E0052

 9E419F

 35003B

 BB5CBA

 1B0025

 D776D6

 00000C

 F592F3

 000000

 FFADFF

 FFC9FF

 FFE6FF

 68006B

 680B6B

 69156B

 69206B

 692B6B

 6A366B

 6A406B

 6A4B6B

 6A566B

 6B606B

# Harmonies

## Analogous

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



142E8C



68006B



82003F

# Triad

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



68006B



4A3600



004A62

# Complementary

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



68006B



036B00

# 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.



004933



68006B



1B4100

# Square

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



68006B



6B1D00



004700



004886

# Rectangle

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



68006B



830021



004700



004A53



# Sweetspot

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



68006B



8B628C



00046B



472E47



C7C7C7



474747



# Same Dimension

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



68006B



88008C



6B0039



353036



720075



EE00F5



# Inverse Universe

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



6B0003



8C0004



006B32



363030



750003



F50007



# Previews

## White Background



This preview shows how the Hex color 68006B looks on a white background.

## Color Contrast Check

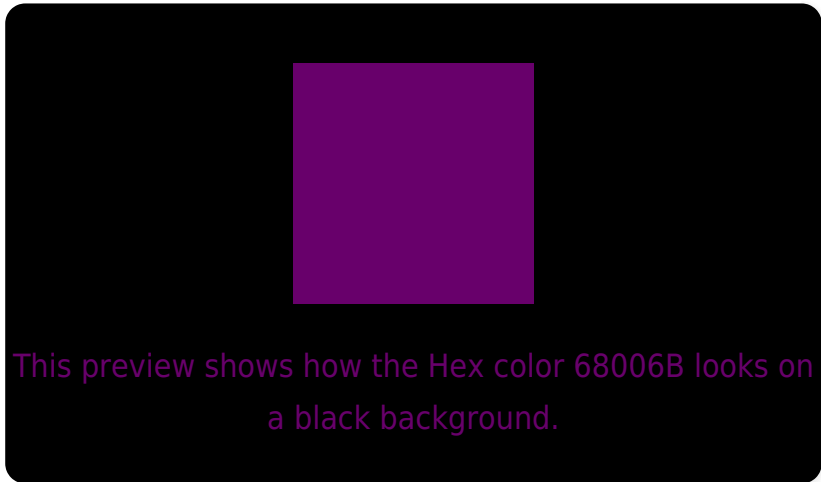
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

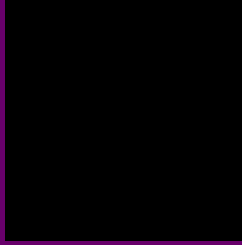
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 68006B Background



This preview shows how black text looks on a background with the Hex color 68006B.




This preview shows how white text looks on a background with the Hex color 68006B.

# 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





**Tritanopia**  
612A2D

# Trichromacy



**Original Color**  
68006B

**Protanomaly**  
262575

**Deuteranomaly**  
3A2767

**Tritanomaly**  
641B44

# Monochromacy



**Original Color**  
68006B

**Achromatopsia**  
2B2B2B

**Achromatomaly**  
411B42

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68006B 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 #68006B looks like.

```
.text, #text, p{  
    color:#68006B  
}
```

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 #68006B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68006B
}
```

## Border

The CSS property to change the border of an element to Hex 68006B is called "border". The border property can be set on classes, ids or directly on the HTML element.

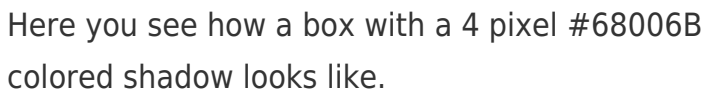
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#68006B }
```

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

```
.border{ border-color:#68006B }
```

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



Here you see how a box with a 4 pixel #68006B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68006B; -webkit-box-shadow:4px 4px  
4px 4px #68006B; box-shadow:4px 4px 4px  
4px #68006B }
```

# Background

The CSS property to change the background color of an element to Hex 68006B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68006B }
```

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

```
.background{ background-color:#68006B }
```

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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