

# Converting Colors

Hex(68046C)

Have a look what the booklet for  
Hex(68046C) contains.

<b>Hex(68046C)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(68046C)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	68046C
RGB	104, 4, 108
RGB Percent	41%, 2%, 42%
CMY	0.5922, 0.9843, 0.5765
CMYK	0.04, 0.96, 0.00, 0.58
HSL	298°, 93%, 22%
HSV	298°, 96%, 42%
XYZ	8.4591, 4.1126, 14.5353
YIQ	45.7560, 26.2160, 53.5440

# Conversions

## Conversions Part 2

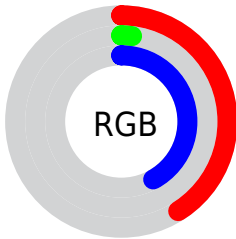
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 4, 108
Decimal	6816876
CIE <sub>Lab</sub>	24.04, 50.65, -33.18
CIE <sub>LCh</sub>	24, 60.550, 326.771
Yxy	4.1126, 0.3121, 0.1517
Android (android.graphics.Color)	4285006956 (0xFF68046C)
YUV	45.7560, 30.6863, 51.0800
Hunter-Lab	20.2795, 38.9677, -28.3003

# Details

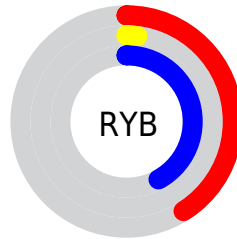
The Hex color **68046C** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **086C04**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **9E43A0**, and **35003C** is the 20% darker color. If you saturate the color by 10%, you get **68006C**, and if you desaturate by 10%, it is **680F6C**.

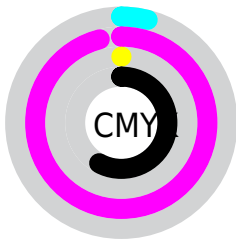
# Distribution



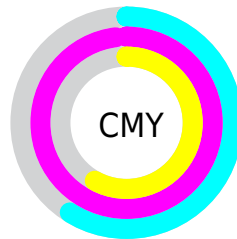
- Red (41%)
- Green (2%)
- Blue (42%)



- Red (41%)
- Yellow (2%)
- Blue (42%)



- Cyan (4%)
- Magenta (96%)
- Yellow (0%)
- Black (58%)



- Cyan (59%)
- Magenta (98%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68046C 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 68046C by changing the saturation by 10% instead.



68046C

68046C

FFFFFF

4E0053

9E43A0

35003C

BA5EBB

1B0025

D778D7

00010D

F493F4

000000

FFAFFF

FFCBFF

FFE8FF

68046C

68046C

■ 68006C

■ 680F6C

■ 691A6C

■ 69246C

■ 6A2F6C

■ 6A3A6C

■ 6A456C

■ 6B506C

■ 6B5A6C

■ 6C656C

# Harmonies

## Analogous

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



142F8C



68046C



820040

# Triad

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



68046C



4B3600



004B61

# Complementary

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



68046C



086C04

# 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.



004A33



68046C



1D4200

# Square

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



68046C



6D1E00



004800



004986

# Rectangle

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



68046C



840023



004800



004B52



# Sweetspot

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



68046C



8B648C



04096C



462E47



C7C7C7



474747



# Same Dimension

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



68046C



87008C



6C043D



353036



710075



EB00F5



# Inverse Universe

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



6C0408



8C0005



046C33



363030



750005

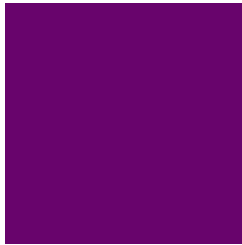


F50009



# Previews

## White Background



This preview shows how the Hex color 68046C looks on a white background.

## Color Contrast Check

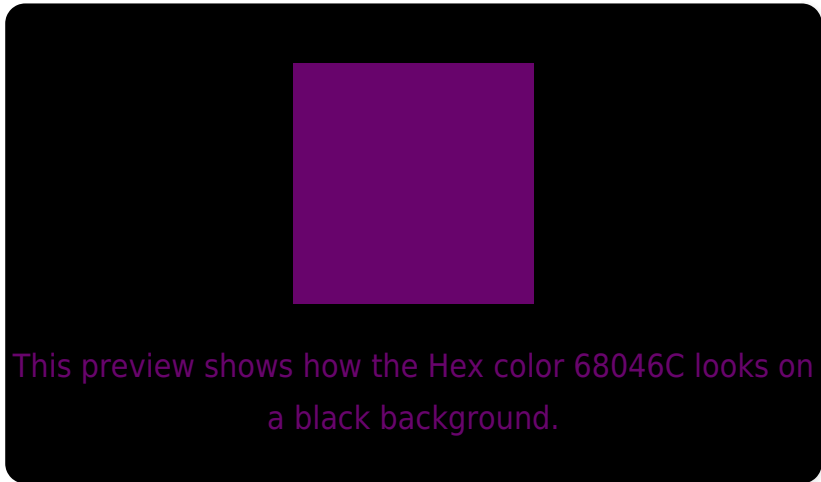
Large Text (above 18pt) WCAG AA ✓ Pass

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

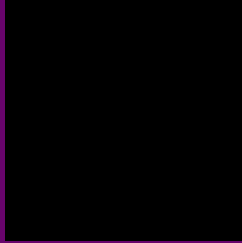
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 68046C Background



This preview shows how black text looks on a background with the Hex color 68046C.



This preview shows how white text looks on a background with the Hex color 68046C.

# 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**  
68046C

**Protanomaly**  
262676

**Deuteranomaly**  
3A2868

**Tritanomaly**  
641C44

# Monochromacy



**Original Color**  
68046C

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
431F45

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68046C 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 #68046C looks like.

```
.text, #text, p{  
    color:#68046C  
}
```

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 #68046C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68046C
}
```

## Border

The CSS property to change the border of an element to Hex 68046C is called "border". The border property can be set on classes, ids or directly on the HTML element.

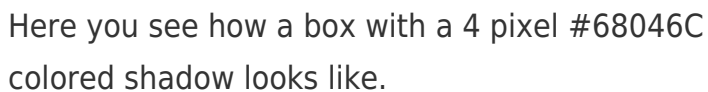
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#68046C }
```

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

```
.border{ border-color:#68046C }
```

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



Here you see how a box with a 4 pixel #68046C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68046C; -webkit-box-shadow:4px 4px  
4px 4px #68046C; box-shadow:4px 4px 4px  
4px #68046C }
```

# Background

The CSS property to change the background color of an element to Hex 68046C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68046C }
```

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

```
.background{ background-color:#68046C }
```

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