

# Converting Colors

Hex(6B002F)

Have a look what the booklet for  
Hex(6B002F) contains.

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# Color

**Hex(6B002F)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 6B002F                    |
| RGB           | 107, 0, 47                |
| RGB Percent   | 42%, 0%, 18%              |
| CMY           | 0.5804, 1.0000, 0.8157    |
| CMYK          | 0.00, 1.00, 0.56, 0.58    |
| HSL           | 334°, 100%, 21%           |
| HSV           | 334°, 100%, 42%           |
| XYZ           | 6.5765, 3.3310, 2.9857    |
| YIQ           | 37.3510, 48.6850, 37.3010 |

# Conversions

## Conversions Part 2

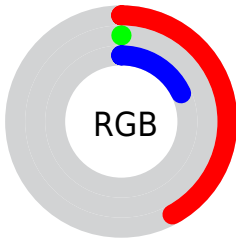
| <b>Format</b>                       | <b>Color</b>                |
|-------------------------------------|-----------------------------|
| <b>R<sub>YB</sub></b>               | 107, 0, 47                  |
| Decimal                             | 7012399                     |
| CIE <sub>Lab</sub>                  | 21.32, 44.39, 4.04          |
| CIE <sub>LCh</sub>                  | 21, 44.574, 5.202           |
| Yxy                                 | 3.3310, 0.5101,<br>0.2584   |
| Android<br>(android.graphics.Color) | 4285202479<br>(0xFF6B002F)  |
| YUV                                 | 37.3510, 4.7570,<br>61.0822 |
| Hunter-Lab                          | 18.2511, 32.3801,<br>3.0767 |

# Details

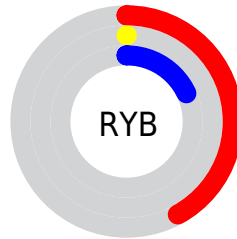
The Hex color **6B002F** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **006B3C**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **A33E5D**, and **380001** is the 20% darker color. If you saturate the color by 10%, you get **6B002F**, and if you desaturate by 10%, it is **6B0B35**.

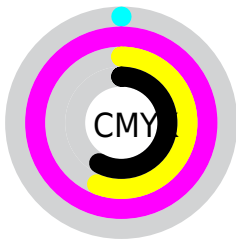
# Distribution



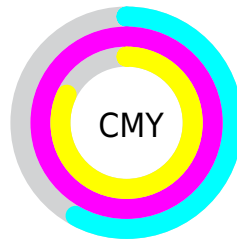
- Red (42%)
- Green (0%)
- Blue (18%)



- Red (42%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (58%)



- Cyan (58%)
- Magenta (100%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6B002F 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 6B002F by changing the saturation by 10% instead.



 6B002F

 6B002F

FFFFFF

 50001A

 A33E5D

 380001

 C05875

 110000

 DD738F

 000000

 FB8EA9

 FFA9C4

 FFC5E0

 FFE2FD

 6B002F

 6B0B35

 6B153B

 6B2041

 6B2B47

 6B364D

 6B4053

 6B4B59

 6B565F

 6B6065

# Harmonies

## Analogous

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



5E114F



6B002F



66120F

# Triad

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



6B002F



193B00



003E6F

# Complementary

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



6B002F



006B3C

# 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.



004159



6B002F



003F15

# Square

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



6B002F



3B3400



004138



003676

# Rectangle

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



6B002F



5C2100



004138



003F69



# Sweetspot

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



6B002F



8C6275



3B006B



472E39



C7C7C7



474747



# Same Dimension

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



6B002F



8C003E



6B0500



363033



750034



F5006C



# Inverse Universe

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



6B002F



8C003E



00666B



363033



750034

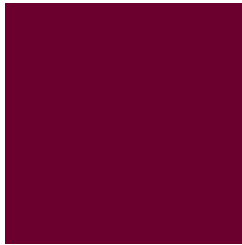


F5006C



# Previews

## White Background



This preview shows how the Hex color 6B002F looks on a white background.

## Color Contrast Check

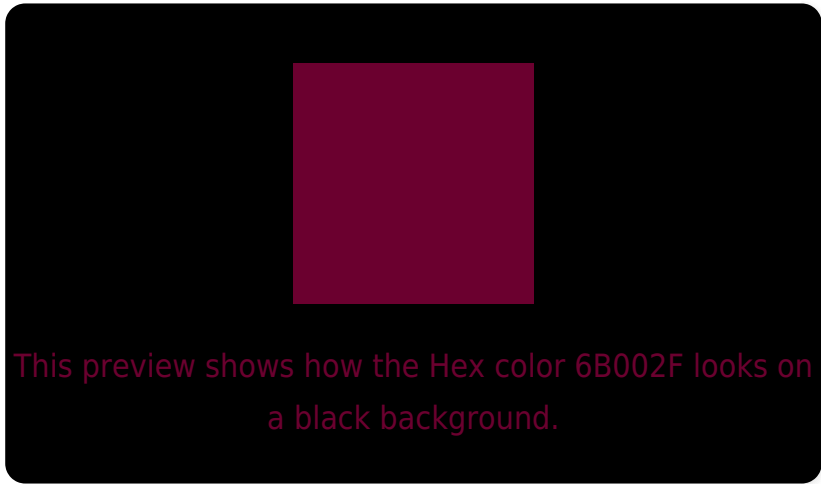
Large Text (above 18pt) WCAG AA ✓ Pass

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

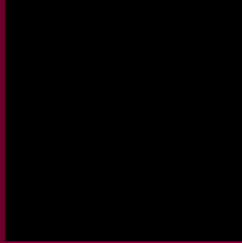
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 6B002F Background



This preview shows how black text looks on a background with the Hex color 6B002F.



This preview shows how white text looks on a background with the Hex color 6B002F.

# 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**  
6B002F

**Protanopia**  
343744

**Deuteranopia**  
41352B



**Tritanopia**  
6A1312

# Trichromacy



**Original Color**  
6B002F

**Protanomaly**  
48233C

**Deuteranomaly**  
50222C

**Tritanomaly**  
6A0C1D

# Monochromacy



**Original Color**  
6B002F

**Achromatopsia**  
252525

**Achromatomaly**  
3E1829

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6B002F 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 #6B002F looks like.

```
.text, #text, p{  
    color:#6B002F  
}
```

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 #6B002F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6B002F
}
```

## Border

The CSS property to change the border of an element to Hex 6B002F is called "border". The border property can be set on classes, ids or directly on the HTML element.

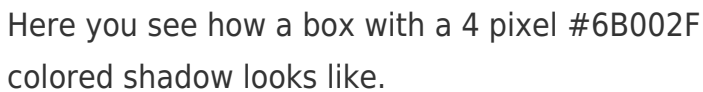
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6B002F }
```

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

```
.border{ border-color:#6B002F }
```

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



Here you see how a box with a 4 pixel #6B002F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6B002F; -webkit-box-shadow:4px 4px  
4px 4px #6B002F; box-shadow:4px 4px 4px  
4px #6B002F }
```

# Background

The CSS property to change the background color of an element to Hex 6B002F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6B002F }
```

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

```
.background{ background-color:#6B002F }
```

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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