

# Converting Colors

Hex(48004D)

Have a look what the booklet for  
Hex(48004D) contains.

<b>Hex(48004D)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(48004D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48004D
RGB	72, 0, 77
RGB Percent	28%, 0%, 30%
CMY	0.7176, 1.0000, 0.6980
CMYK	0.06, 1.00, 0.00, 0.70
HSL	296°, 100%, 15%
HSV	296°, 100%, 30%
XYZ	4.0120, 1.9135, 7.1791
YIQ	30.3060, 18.1950, 39.2110

# Conversions

## Conversions Part 2

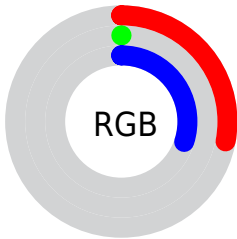
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 0, 77
Decimal	4718669
CIE <sub>Lab</sub>	15.03, 40.36, -27.30
CIE <sub>LCh</sub>	15, 48.724, 325.919
Yxy	1.9135, 0.3062, 0.1460
Android (android.graphics.Color)	4282908749 (0xFF48004D)
YUV	30.3060, 23.0201, 36.5656
Hunter-Lab	13.8331, 27.5629, -21.0871

# Details

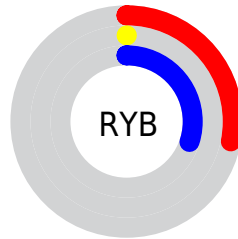
The Hex color **48004D** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **054D00**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **7B377F**, and **160020** is the 20% darker color. If you saturate the color by 10%, you get **48004D**, and if you desaturate by 10%, it is **49084D**.

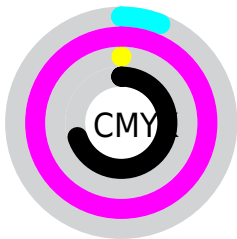
# Distribution



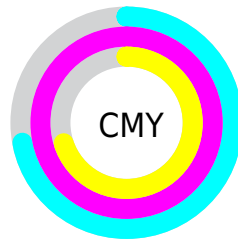
- Red (28%)
- Green (0%)
- Blue (30%)



- Red (28%)
- Yellow (0%)
- Blue (30%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (70%)



- Cyan (72%)
- Magenta (100%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 48004D 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 48004D by changing the saturation by 10% instead.



 48004D

 48004D

 FFF3FF

 300036

 7B377F

 160020

 965099

 000004

 B26AB4

 000000

 CE84CF

 EB9FEC

 FFBAFF

 FFD6FF

 48004D

 49084D

 490F4D

 4A174D

 4A1F4D

 4B274D

 4B2E4D

 4C364D

 4C3E4D

 4D454D

# Harmonies

## Analogous

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



001F65



48004D



5C002C

# Triad

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



48004D



342300



003343

# Complementary

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



48004D



054D00

# 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.



003320



48004D



112C00

# Square

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



48004D



4D1000



003000



00325F

# Rectangle

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



48004D



5E0016



003000



003338



# Sweetspot

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



48004D



624663



00054D



322133



B3B3B3



333333



# Same Dimension

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



48004D



5D0063



4D002C



262226



5F0066



D700E6



# Inverse Universe

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



4D0005



630006



004D21



262223



660007

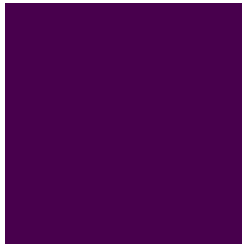


E6000F



# Previews

## White Background



This preview shows how the Hex color 48004D looks on a white background.

## Color Contrast Check

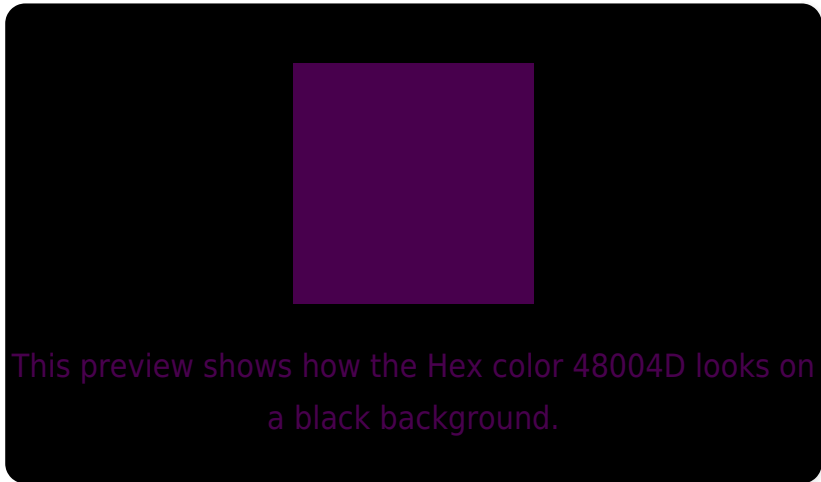
Large Text (above 18pt) WCAG AA ✓ Pass

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

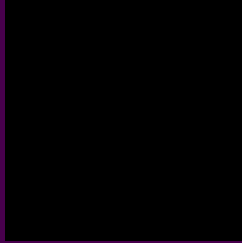
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 48004D Background



This preview shows how black text looks on a background with the Hex color 48004D.



This preview shows how white text looks on a background with the Hex color 48004D.

# 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**  
48004D

**Protanopia**  
002956

**Deuteranopia**  
122A48



**Tritanopia**  
431E20

# Trichromacy



**Original Color**  
48004D

**Protanomaly**  
1A1A53

**Deuteranomaly**  
261B4A

**Tritanomaly**  
451330

# Monochromacy



**Original Color**  
48004D

**Achromatopsia**  
1E1E1E

**Achromatomaly**  
2D132F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 48004D 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 #48004D looks like.

```
.text, #text, p{  
    color:#48004D  
}
```

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 #48004D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #48004D
}
```

## Border

The CSS property to change the border of an element to Hex 48004D 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
#48004D }
```

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

```
.border{ border-color:#48004D }
```

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

Here you see how a box with a 4 pixel #48004D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #48004D; -webkit-box-shadow:4px 4px  
4px 4px #48004D; box-shadow:4px 4px 4px  
4px #48004D }
```

# Background

The CSS property to change the background color of an element to Hex 48004D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#48004D }
```

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

```
.background{ background-color:#48004D }
```

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**