

# Converting Colors

Hex(78004A)

Have a look what the booklet for  
Hex(78004A) contains.

<b>Hex(78004A)</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(78004A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78004A
RGB	120, 0, 74
RGB Percent	47%, 0%, 29%
CMY	0.5294, 1.0000, 0.7098
CMYK	0.00, 1.00, 0.38, 0.53
HSL	323°, 100%, 24%
HSV	323°, 100%, 47%
XYZ	8.9818, 4.4875, 6.8713
YIQ	44.3160, 47.7660, 48.4540

# Conversions

## Conversions Part 2

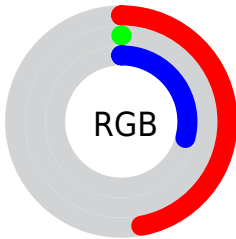
Format	Color
<b>RYB</b>	120, 0, 74
Decimal	7864394
CIELab	25.22, 50.06, -8.55
CIELCh	25, 50.789, 350.303
Yxy	4.4875, 0.4416, 0.2206
Android (android.graphics.Color)	4286054474 (0xFF78004A)
YUV	44.3160, 14.6342, 66.3749
Hunter-Lab	21.1837, 38.6116, -4.4033

# Details

The Hex color **78004A** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **00782E**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **B0437B**, and **42001E** is the 20% darker color. If you saturate the color by 10%, you get **78004A**, and if you desaturate by 10%, it is **780C4F**.

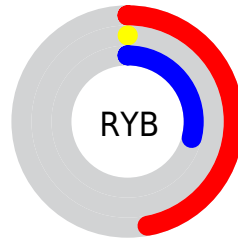
# Distribution



Red (47%)

Green (0%)

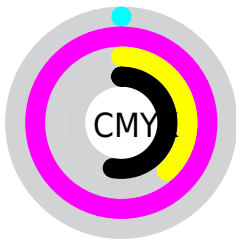
Blue (29%)



Red (47%)

Yellow (0%)

Blue (29%)

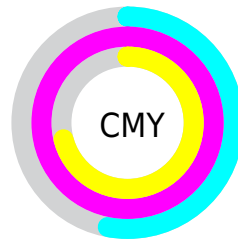


Cyan (0%)

Magenta (100%)

Yellow (38%)

Black (53%)



Cyan (53%)

Magenta (100%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78004A 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 78004A by changing the saturation by 10% instead.



 78004A

 78004A

FFFFFF

 5D0033

 B0437B

 42001E

 CD5E94

 2A0002

 EB79AF

 000000

 FF94CA

 FFB0E7

 FFCCFF

 FFE9FF

 78004A

 780C4F

 781853

 782458

 78305C

 783C61

 784866

 78546A

 78606F

 786C73

# Harmonies

## Analogous

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



5C216E



78004A



7C0324

# Triad

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



78004A



324200



004A77

# Complementary

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



78004A



00782E

# 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.



004C56



78004A



004800

# Square

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



78004A



553600



004B2E



004489

# Rectangle

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



78004A



75190A



004B2E



004B6D



# Sweetspot

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



78004A



9C6D8A



2E0078



4F3344



CFCFCF



4F4F4F



# Same Dimension

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



78004A



9C0060



78000E



3D373B



7D004D



FC009C



# Inverse Universe

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



78004A



9C0060



00786A



3D373B



7D004D



FC009C



# Previews

## White Background



This preview shows how the Hex color 78004A looks on a white background.

## Color Contrast Check

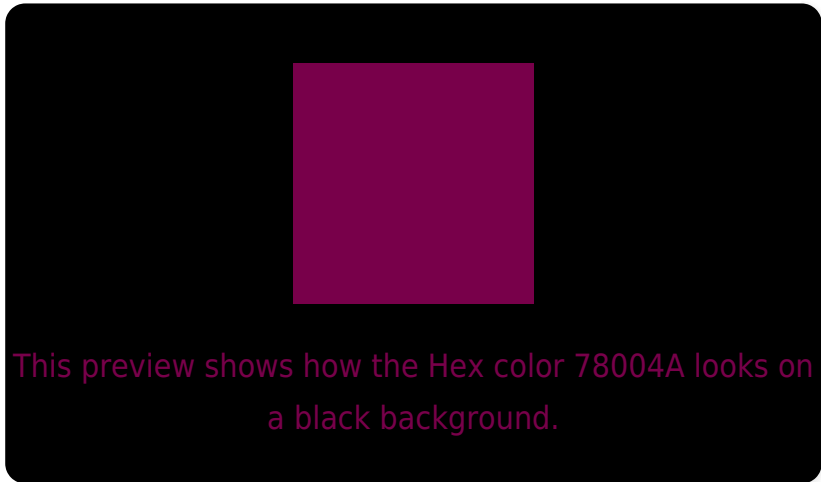
Large Text (above 18pt) WCAG AA ✓ Pass

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

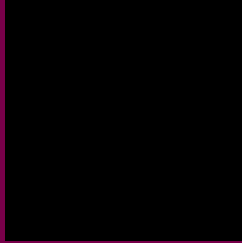
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 78004A Background



This preview shows how black text looks on a background with the Hex color 78004A.



This preview shows how white text looks on a background with the Hex color 78004A.

# 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**  
751D1E

# Trichromacy



**Original Color**  
78004A

**Protanomaly**  
48275E

**Deuteranomaly**  
562747

**Tritanomaly**  
76122E

# Monochromacy



**Original Color**  
78004A

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
481C37

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78004A 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 #78004A looks like.

```
.text, #text, p{  
    color:#78004A  
}
```

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 #78004A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78004A
}
```

## Border

The CSS property to change the border of an element to Hex 78004A 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
#78004A }
```

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

```
.border{ border-color:#78004A }
```

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

Here you see how a box with a 4 pixel #78004A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78004A; -webkit-box-shadow:4px 4px  
4px 4px #78004A; box-shadow:4px 4px 4px  
4px #78004A }
```

# Background

The CSS property to change the background color of an element to Hex 78004A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78004A }
```

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

```
.background{ background-color:#78004A }
```

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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