

# Converting Colors

Hex(7A003A)

Have a look what the booklet for  
Hex(7A003A) contains.

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**Color**

**Hex(7A003A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A003A
RGB	122, 0, 58
RGB Percent	48%, 0%, 23%
CMY	0.5216, 1.0000, 0.7725
CMYK	0.00, 1.00, 0.52, 0.52
HSL	331°, 100%, 24%
HSV	331°, 100%, 48%
XYZ	8.7898, 4.4431, 4.3973
YIQ	43.0900, 54.0940, 43.9020

# Conversions

## Conversions Part 2

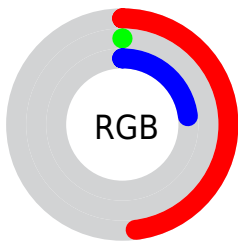
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 0, 58
Decimal	7995450
CIELab	25.09, 49.02, 2.22
CIElCh	25, 49.067, 2.591
Yxy	4.4431, 0.4986, 0.2520
Android (android.graphics.Color)	4286185530 (0xFF7A003A)
YUV	43.0900, 7.3506, 69.2041
Hunter-Lab	21.0786, 37.5469, 2.3862

# Details

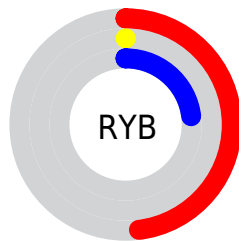
The Hex color **7A003A** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **007A40**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **B34369**, and **43000F** is the 20% darker color. If you saturate the color by 10%, you get **7A003A**, and if you desaturate by 10%, it is **7A0C40**.

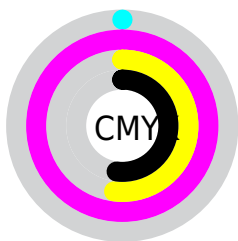
# Distribution



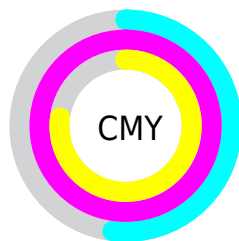
- Red (48%)
- Green (0%)
- Blue (23%)



- Red (48%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (52%)



- Cyan (52%)
- Magenta (100%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7A003A 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 7A003A by changing the saturation by 10% instead.



 7A003A

 7A003A

FFFFFF

 5E0025

 B34369

 43000F

 D15E82

 290001

 EE789C

 000000

 FF94B7

 FFAFD2

 FFCCEF

 FFE9FF

 7A003A

 7A0C40

 7A1847

 7A254D

 7A3154

 7A3D5A

 7A4960

 7A5567

 7A626D

 7A6E74

# Harmonies

## Analogous

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



69175E



7A003A



761416

# Triad

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



7A003A



214400



00487E

# Complementary

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



7A003A



007A40

# 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.



004B63



7A003A



004916

# Square

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



7A003A



473B00



004B3E



004087

# Rectangle

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



7A003A



6B2500



004B3E



004976



# Sweetspot

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



7A003A



9E6F85



3F007A



4F3340



CFCFCF



4F4F4F



# Same Dimension

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



7A003A



9E004B



7A0200



3D373A



7D003B



FC0078



# Inverse Universe

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



7A003A



9E004B



00787A



3D373A



7D003B

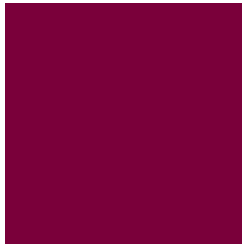


FC0078



# Previews

## White Background



This preview shows how the Hex color 7A003A looks on a white background.

## Color Contrast Check

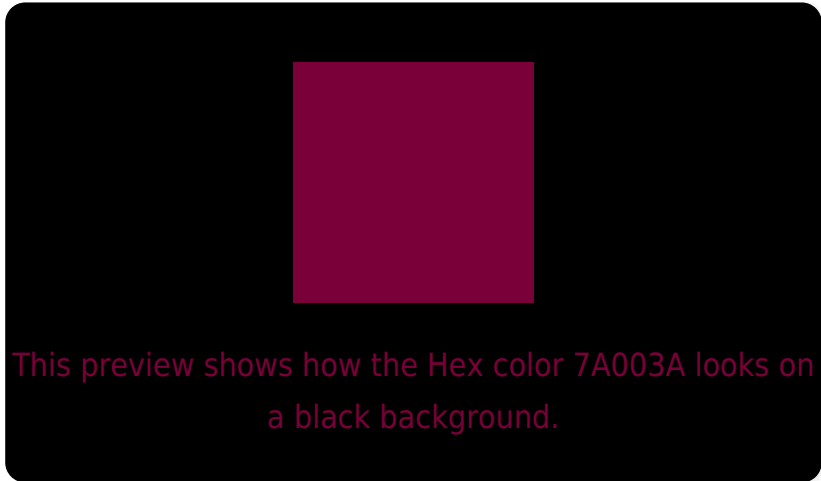
Large Text (above 18pt) WCAG AA ✓ Pass

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 7A003A Background



This preview shows how black text looks on a background with the Hex color 7A003A.

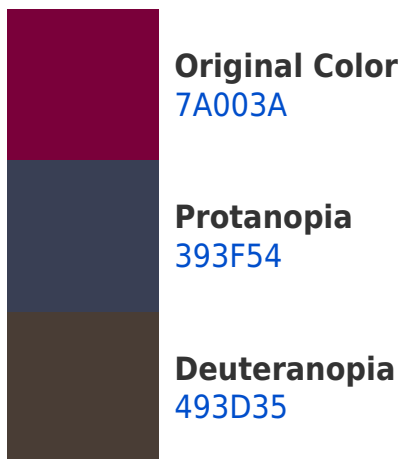


This preview shows how white text looks on a background with the Hex color 7A003A.

# 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**  
781717

# Trichromacy



**Original Color**  
7A003A

**Protanomaly**  
51284B

**Deuteranomaly**  
5B2737

**Tritanomaly**  
790F24

# Monochromacy



**Original Color**  
7A003A

**Achromatopsia**  
2B2B2B

**Achromatomaly**  
481B30

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7A003A 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 #7A003A looks like.

```
.text, #text, p{  
    color:#7A003A  
}
```

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 #7A003A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7A003A
}
```

## Border

The CSS property to change the border of an element to Hex 7A003A is called "border". The border property can be set on classes, ids or directly on the HTML element.

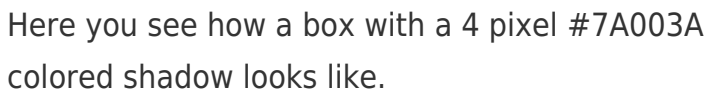
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7A003A }
```

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

```
.border{ border-color:#7A003A }
```

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



Here you see how a box with a 4 pixel #7A003A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7A003A; -webkit-box-shadow:4px 4px  
4px 4px #7A003A; box-shadow:4px 4px 4px  
4px #7A003A }
```

# Background

The CSS property to change the background color of an element to Hex 7A003A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7A003A }
```

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

```
.background{ background-color:#7A003A }
```

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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