

# Converting Colors

Hex(7A0002)

Have a look what the booklet for  
Hex(7A0002) contains.

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**Color**

**Hex(7A0002)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A0002
RGB	122, 0, 2
RGB Percent	48%, 0%, 1%
CMY	0.5216, 1.0000, 0.9922
CMYK	0.00, 1.00, 0.98, 0.52
HSL	359°, 100%, 24%
HSV	359°, 100%, 48%
XYZ	8.0370, 4.1420, 0.4333
YIQ	36.7060, 72.0700, 26.4860

# Conversions

## Conversions Part 2

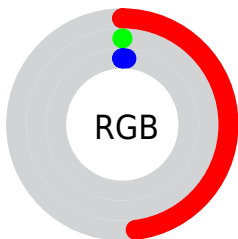
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 0, 2
Decimal	7995394
CIELab	24.14, 46.46, 35.41
CIElCh	24, 58.421, 37.315
Yxy	4.1420, 0.6372, 0.3284
Android (android.graphics.Color)	4286185474 (0xFF7A0002)
YUV	36.7060, -17.1101, 74.8028
Hunter-Lab	20.3518, 34.8746, 12.9839

# Details

The Hex color **7A0002** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **007A78**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **B64130**, and **400000** is the 20% darker color. If you saturate the color by 10%, you get **7A0002**, and if you desaturate by 10%, it is **7A0C0E**.

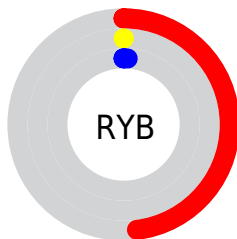
# Distribution



Red (48%)

Green (0%)

Blue (1%)



Red (48%)

Yellow (0%)

Blue (1%)

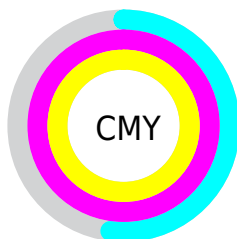


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (52%)



Cyan (52%)

Magenta (100%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7A0002 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 7A0002 by changing the saturation by 10% instead.



 7A0002

 7A0002

 FFFFE4

 5C0000

 B64130

 400000

 D55B47

 230001

 F4765F

 000000

 FF9178

 FFAD92

 FFC9AD

 FFE6C8

 7A0002

 7A0C0E

 7A181A

 7A2526

 7A3132

 7A3D3E

 7A494A

 7A5556

 7A6262

 7A6E6E

# Harmonies

## Analogous

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



820031



7A0002



612900

# Triad

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



7A0002



004914



003D93

# Complementary

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



7A0002



007A78

# 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.



00478C



7A0002



004A43

# Square

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



7A0002



024400



004A6E



422681

# Rectangle

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



7A0002



4B3700



004A6E



004193



# Sweetspot

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



7A0002



9E6F6F



78007A



4F3333



CFCFCF



4F4F4F



# Same Dimension

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



7A0002



9E0003



7A3B00



3D3737



7D0002



FC0004



# Inverse Universe

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



7A0002



9E0003



003F7A



3D3737



7D0002

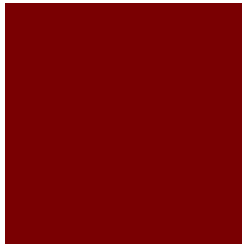


FC0004



# Previews

## White Background



This preview shows how the Hex color 7A0002 looks on a white background.

## Color Contrast Check

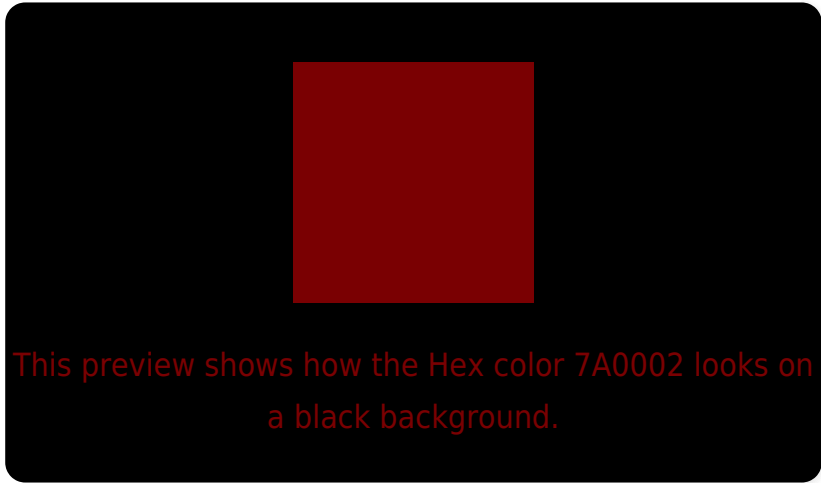
Large Text (above 18pt) WCAG AA ✓ Pass

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

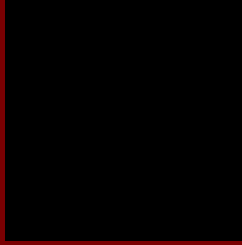
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7A0002 Background



This preview shows how black text looks on a background with the Hex color 7A0002.



This preview shows how white text looks on a background with the Hex color 7A0002.

# 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**  
7A0002

**Protanopia**  
453E10

**Deuteranopia**  
4E3A00



**Tritanopia**  
790B00

# Trichromacy



**Original Color**  
7A0002

**Protanomaly**  
58270B

**Deuteranomaly**  
5E2501

**Tritanomaly**  
790701

# Monochromacy



**Original Color**  
7A0002

**Achromatopsia**  
252525

**Achromatomaly**  
441818

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7A0002 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 #7A0002 looks like.

```
.text, #text, p{  
    color:#7A0002  
}
```

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 #7A0002 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7A0002
}
```

## Border

The CSS property to change the border of an element to Hex 7A0002 is called "border". The border property can be set on classes, ids or directly on the HTML element.

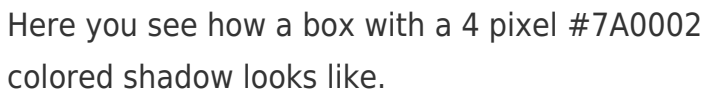
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7A0002 }
```

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

```
.border{ border-color:#7A0002 }
```

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



Here you see how a box with a 4 pixel #7A0002 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7A0002; -webkit-box-shadow:4px 4px  
4px 4px #7A0002; box-shadow:4px 4px 4px  
4px #7A0002 }
```

# Background

The CSS property to change the background color of an element to Hex 7A0002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7A0002 }
```

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

```
.background{ background-color:#7A0002 }
```

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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