

# Converting Colors

Hex(730003)

Have a look what the booklet for  
Hex(730003) contains.

|  |    |
|--|----|
| <b>Hex(730003)</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(730003)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 730003                    |
| RGB         | 115, 0, 3                 |
| RGB Percent | 45%, 0%, 1%               |
| CMY         | 0.5490, 1.0000, 0.9882    |
| CMYK        | 0.00, 1.00, 0.97, 0.55    |
| HSL         | 358°, 100%, 23%           |
| HSV         | 358°, 100%, 45%           |
| XYZ         | 7.0867, 3.6514, 0.4174    |
| YIQ         | 34.7270, 67.5770, 25.3130 |

# Conversions

## Conversions Part 2

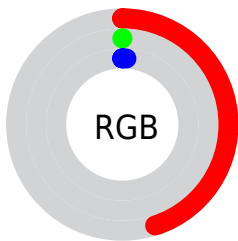
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">115, 0, 3</a>                      |
| Decimal                             | <a href="#">7536643</a>                        |
| CIELab                              | <a href="#">22.48, 44.57, 32.79</a>            |
| CIELCh                              | <a href="#">22, 55.332, 36.348</a>             |
| Yxy                                 | <a href="#">3.6514, 0.6353,<br/>0.3273</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4285726723<br/>(0xFF730003)</a>    |
| YUV                                 | <a href="#">34.7270, -15.6414,<br/>70.3994</a> |
| Hunter-Lab                          | <a href="#">19.1087, 32.7586,<br/>12.0809</a>  |

# Details

The Hex color **730003** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **007370**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **AE3F31**, and **3B0001** is the 20% darker color. If you saturate the color by 10%, you get **730003**, and if you desaturate by 10%, it is **730B0E**.

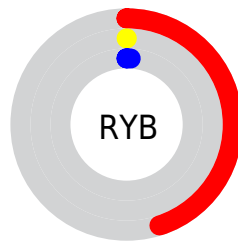
# Distribution



Red (45%)

Green (0%)

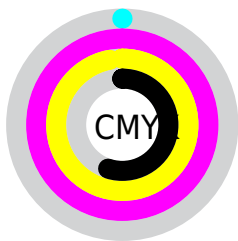
Blue (1%)



Red (45%)

Yellow (0%)

Blue (1%)

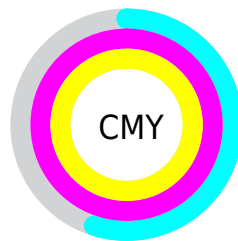


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (55%)



Cyan (55%)

Magenta (100%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 730003 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 730003 by changing the saturation by 10% instead.



 730003

 730003

 FFFFE5

 560000

 AE3F31

 3B0001

 CD5947

 190001

 EB745F

 000000

 FF8F78

 FFAA92

 FFC6AD

 FFE3C8

 730003

 730B0E

 731719

 732325

 732E30

 733A3B

 734546

 735151

 735C5D

 736868

# Harmonies

## Analogous

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



7A002F



730003



5C2600

# Triad

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



730003



004411



003989

# Complementary

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



730003



007370

# 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.



004382



730003



00463E

# Square

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



730003



064000



004666



3C2579

# Rectangle

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



730003



473300



004666



003D8A



# Sweetspot

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



730003



96696A



6F0073



4D3132



CCCCCC



4D4D4D



# Same Dimension

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



730003



960004



733600



3B3535



7A0003



FA0007



# Inverse Universe

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



730003



960004



003D73



3B3535



7A0003

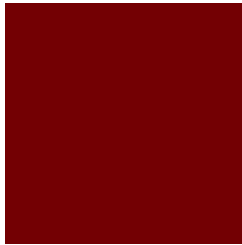


FA0007



# Previews

## White Background



This preview shows how the Hex color 730003 looks on a white background.

## Color Contrast Check

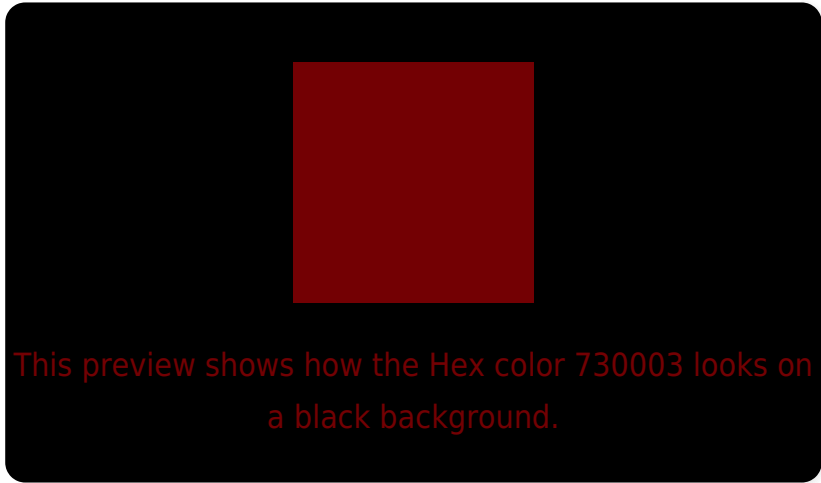
Large Text (above 18pt) WCAG AA ✓ Pass

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

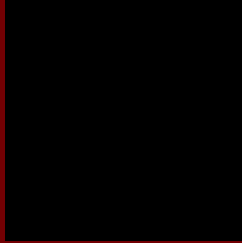
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 730003 Background



This preview shows how black text looks on a background with the Hex color 730003.



This preview shows how white text looks on a background with the Hex color 730003.

# 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**  
730003

**Protanopia**  
413A0F

**Deuteranopia**  
493700



**Tritanopia**  
720B00

# Trichromacy



**Original Color**  
730003

**Protanomaly**  
53250B

**Deuteranomaly**  
582301

**Tritanomaly**  
720701

# Monochromacy



**Original Color**  
730003

**Achromatopsia**  
232323

**Achromatomaly**  
401617

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 730003 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 #730003 looks like.

```
.text, #text, p{  
    color:#730003  
}
```

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 #730003 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #730003
}
```

## Border

The CSS property to change the border of an element to Hex 730003 is called "border". The border property can be set on classes, ids or directly on the HTML element.

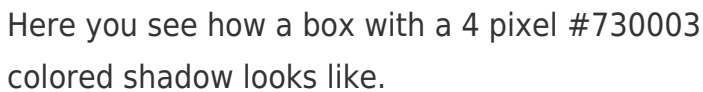
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#730003 }
```

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

```
.border{ border-color:#730003 }
```

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



Here you see how a box with a 4 pixel #730003 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #730003; -webkit-box-shadow:4px 4px  
4px 4px #730003; box-shadow:4px 4px 4px  
4px #730003 }
```

# Background

The CSS property to change the background color of an element to Hex 730003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#730003 }
```

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

```
.background{ background-color:#730003 }
```

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