

# Converting Colors

Hex(700051)

Have a look what the booklet for  
Hex(700051) contains.

<b>Hex(700051)</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(700051)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	700051
RGB	112, 0, 81
RGB Percent	44%, 0%, 32%
CMY	0.5608, 1.0000, 0.6824
CMYK	0.00, 1.00, 0.28, 0.56
HSL	317°, 100%, 22%
HSV	317°, 100%, 44%
XYZ	8.1673, 4.0388, 8.1337
YIQ	42.7220, 40.7510, 48.9350

# Conversions

## Conversions Part 2

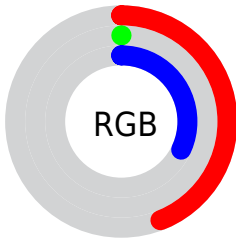
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 0, 81
Decimal	7340113
CIELab	23.80, 49.09, -15.61
CIElCh	24, 51.513, 342.359
Yxy	4.0388, 0.4015, 0.1986
Android (android.graphics.Color)	4285530193 (0xFF700051)
YUV	42.7220, 18.8711, 60.7568
Hunter-Lab	20.0968, 37.3724, -9.9284

# Details

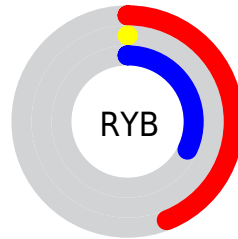
The Hex color **700051** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **00701F**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **A74182**, and **3C0024** is the 20% darker color. If you saturate the color by 10%, you get **700051**, and if you desaturate by 10%, it is **700B54**.

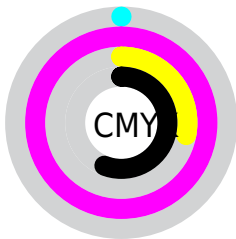
# Distribution



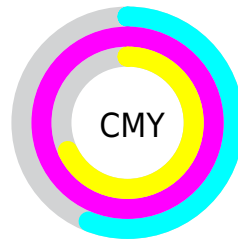
- Red (44%)
- Green (0%)
- Blue (32%)



- Red (44%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (56%)



- Cyan (56%)
- Magenta (100%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 700051 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 700051 by changing the saturation by 10% instead.



 700051

 700051

FFFFFF

 55003A

 A74182

 3C0024

 C45C9D

 22000D

 E177B8

 000000

 FE92D3

 FFAEF0

 FFCAFF

 FFE7FF

 700051

 700B54

 701657

 70225A

 702D5D

 703860

 704364

 704E67

 705A6A

 70656D

# Harmonies

## Analogous

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



4C2473



700051



7A002B

# Triad

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



700051



383C00



00486D

# Complementary

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



700051



00701F

# 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.



004848



700051



004400

# Square

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



700051



592E00



00471F



004483

# Rectangle

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



700051



750912



00471F



004861



# Sweetspot

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



700051



916685



1E0070



4A2F43



C9C9C9



4A4A4A



# Same Dimension

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



700051



910069



70001A



383237



780057



F700B3



# Inverse Universe

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



700051



910069



007056



383237



780057



F700B3



# Previews

## White Background



This preview shows how the Hex color 700051 looks on a white background.

## Color Contrast Check

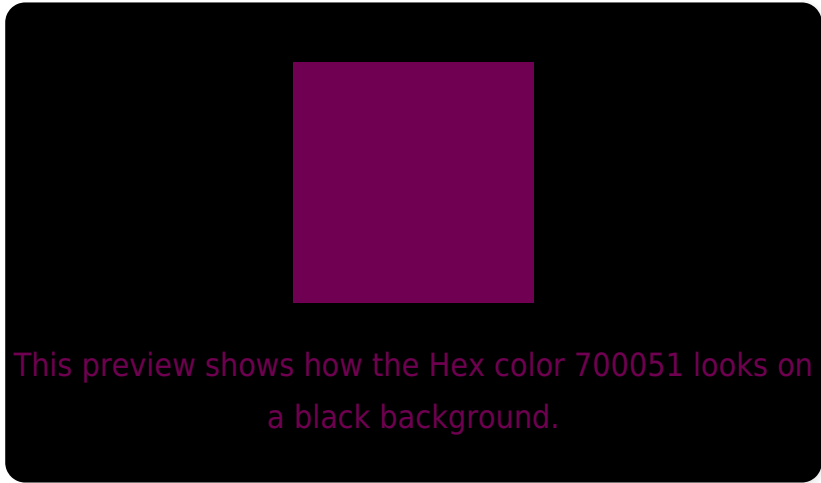
Large Text (above 18pt) WCAG AA ✓ Pass

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

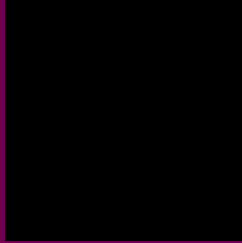
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 700051 Background



This preview shows how black text looks on a background with the Hex color 700051.

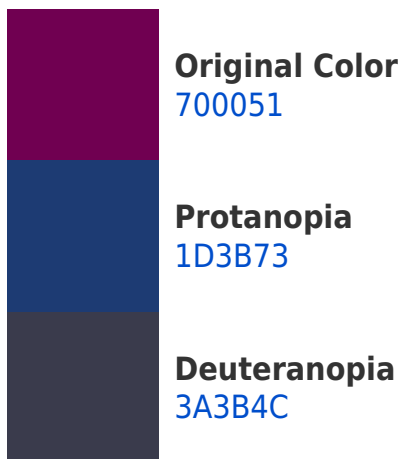


This preview shows how white text looks on a background with the Hex color 700051.

# 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





# Trichromacy



**Original Color**

700051

**Protanomaly**

3B2667

**Deuteranomaly**

4E264E

**Tritanomaly**

6E1432

# Monochromacy



**Original Color**

700051

**Achromatopsia**

2B2B2B

**Achromatomaly**

441B39

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 700051 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 #700051 looks like.

```
.text, #text, p{  
    color:#700051  
}
```

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 #700051 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #700051
}
```

## Border

The CSS property to change the border of an element to Hex 700051 is called "border". The border property can be set on classes, ids or directly on the HTML element.

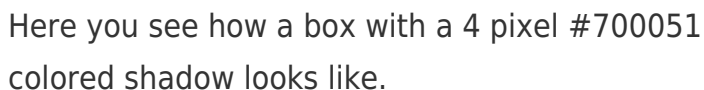
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#700051 }
```

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

```
.border{ border-color:#700051 }
```

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



Here you see how a box with a 4 pixel #700051 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #700051; -webkit-box-shadow:4px 4px  
4px 4px #700051; box-shadow:4px 4px 4px  
4px #700051 }
```

# Background

The CSS property to change the background color of an element to Hex 700051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#700051 }
```

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

```
.background{ background-color:#700051 }
```

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