

# Converting Colors

Hex(57003D)

Have a look what the booklet for  
Hex(57003D) contains.

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**Color**

**Hex(57003D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	57003D
RGB	87, 0, 61
RGB Percent	34%, 0%, 24%
CMY	0.6588, 1.0000, 0.7608
CMYK	0.00, 1.00, 0.30, 0.66
HSL	318°, 100%, 17%
HSV	318°, 100%, 34%
XYZ	4.7728, 2.3632, 4.6195
YIQ	32.9670, 32.2710, 37.4150

# Conversions

## Conversions Part 2

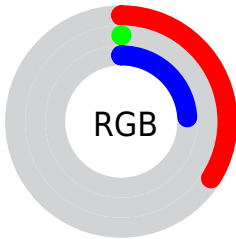
<b>Format</b>	<b>Color</b>
<b>RYB</b>	87, 0, 61
Decimal	5701693
CIELab	17.29, 40.98, -12.36
CIELCh	17, 42.806, 343.215
Yxy	2.3632, 0.4060, 0.2010
Android (android.graphics.Color)	4283891773 (0xFF57003D)
YUV	32.9670, 13.8203, 47.3869
Hunter-Lab	15.3726, 28.5176, -7.0559

# Details

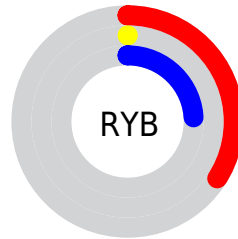
The Hex color **57003D** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **00571A**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **8C3A6D**, and **270012** is the 20% darker color. If you saturate the color by 10%, you get **57003D**, and if you desaturate by 10%, it is **570940**.

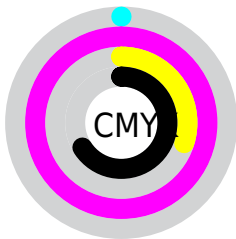
# Distribution



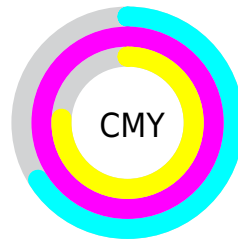
- Red (34%)
- Green (0%)
- Blue (24%)



- Red (34%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (66%)



- Cyan (66%)
- Magenta (100%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 57003D 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 57003D by changing the saturation by 10% instead.



 57003D

 57003D

 FFF8FF

 3D0027

 8C3A6D

 270012

 A85386

 000000

 C46DA0

 E188BB

 FEA3D7

 FFBEF3

 FFDBFF

 57003D

■ 570940

■ 571142

■ 571A45

■ 572347

■ 572C4A

■ 57344D

■ 573D4F

■ 574652

■ 574E54

# Harmonies

## Analogous

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



3B1A58



57003D



5E001F

# Triad

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



57003D



292D00



003754

# Complementary

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



57003D



00571A

# 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.



003738



57003D



013300

# Square

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



57003D



432300



003617



003366

# Rectangle

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



57003D



5B0708



003617



00374C



# Sweetspot

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



57003D



704F66



190057



382432



B8B8B8



383838



# Same Dimension

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



57003D



70004F



570013



2B272A



6B004B



EB00A4



# Inverse Universe

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



57003D



70004F



005744



2B272A



6B004B

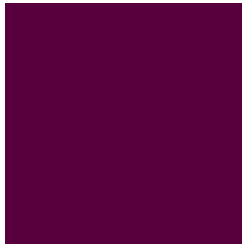


EB00A4



# Previews

## White Background



This preview shows how the Hex color 57003D looks on a white background.

## Color Contrast Check

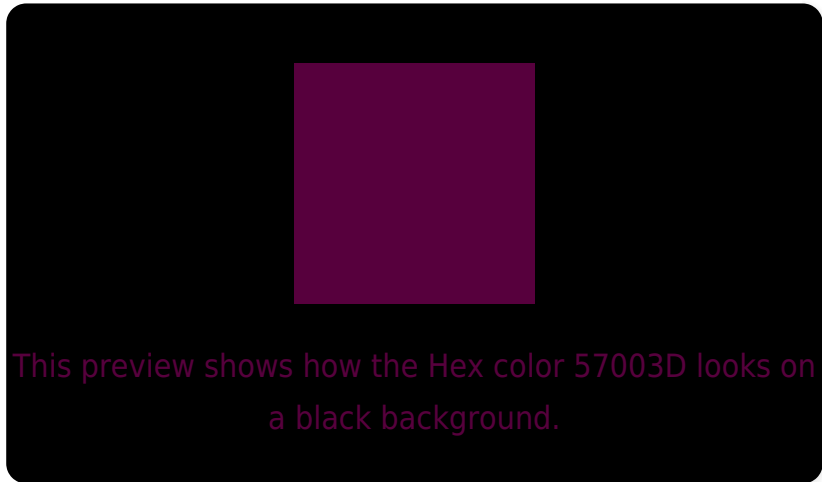
Large Text (above 18pt) WCAG AA ✓ Pass

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

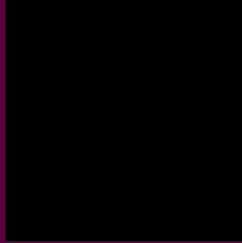
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 57003D Background



This preview shows how black text looks on a background with the Hex color 57003D.



This preview shows how white text looks on a background with the Hex color 57003D.

# 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**  
57003D

**Protanopia**  
192D57

**Deuteranopia**  
2E2E39



**Tritanopia**  
541819

# Trichromacy



**Original Color**  
57003D

**Protanomaly**  
301D4E

**Deuteranomaly**  
3D1D3A

**Tritanomaly**  
550F26

# Monochromacy



**Original Color**  
57003D

**Achromatopsia**  
212121

**Achromatomaly**  
35152B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 57003D 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 #57003D looks like.

```
.text, #text, p{  
    color:#57003D  
}
```

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 #57003D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #57003D }  
}
```

## Border

The CSS property to change the border of an element to Hex 57003D 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".

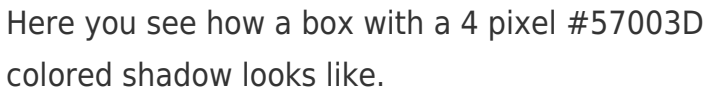
```
.border, #border, table{ border:4px solid #57003D }  
}
```

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

```
.border{ border-color:#57003D }
```

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

Here you see how a box with a 4 pixel #57003D colored shadow looks like.

A rectangular box with a dark purple border and a dark purple shadow. The shadow is visible on the right and bottom sides of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #57003D; -webkit-box-shadow:4px 4px  
4px 4px #57003D; box-shadow:4px 4px 4px  
4px #57003D }
```

# Background

The CSS property to change the background color of an element to Hex 57003D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#57003D }
```

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

```
.background{ background-color:#57003D }
```

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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