

# Converting Colors

Hex(510037)

Have a look what the booklet for  
Hex(510037) contains.

<b>Hex(510037)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**Hex(510037)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	510037
RGB	81, 0, 55
RGB Percent	32%, 0%, 22%
CMY	0.6824, 1.0000, 0.7843
CMYK	0.00, 1.00, 0.32, 0.68
HSL	319°, 100%, 16%
HSV	319°, 100%, 32%
XYZ	4.0829, 2.0252, 3.7901
YIQ	30.4890, 30.6210, 34.2770

# Conversions

## Conversions Part 2

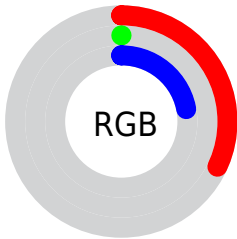
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 0, 55
Decimal	5308471
CIE <sub>Lab</sub>	15.62, 38.82, -10.79
CIE <sub>LCh</sub>	16, 40.294, 344.472
Yxy	2.0252, 0.4125, 0.2046
Android (android.graphics.Color)	4283498551 (0xFF510037)
YUV	30.4890, 12.0839, 44.2981
Hunter-Lab	14.2308, 26.3090, -5.8293

# Details

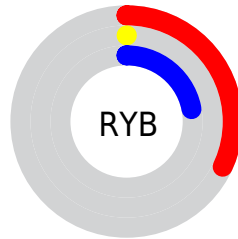
The Hex color **510037** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **00511A**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **863866**, and **200009** is the 20% darker color. If you saturate the color by 10%, you get **510037**, and if you desaturate by 10%, it is **51083A**.

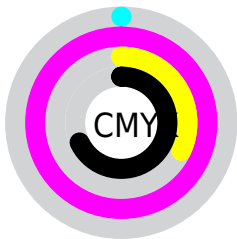
# Distribution



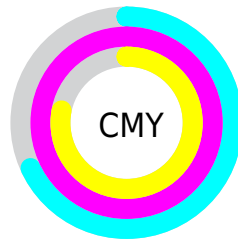
- Red (32%)
- Green (0%)
- Blue (22%)



- Red (32%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (68%)




- Cyan (68%)
- Magenta (100%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 510037 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 510037 by changing the saturation by 10% instead.



 510037

 510037

 FFF4FF

 380022

 863866

 200009

 A1517F

 000000

 BD6B99

 D985B4

 F7A0CF

 FFBEB

 FFD7FF

 510037

■ 51083A

■ 51103C

■ 51183F

■ 512041

■ 512944

■ 513147

■ 513949

■ 51414C

■ 51494E

# Harmonies

## Analogous

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



381750



510037



57001B

# Triad

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



510037



252A00



00324F

# Complementary

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



510037



00511A

# 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.



003335



510037



002F00

# Square

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



510037



3D2000



003216



002F5F

# Rectangle

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



510037



530703



003216



003347



# Sweetspot

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



510037



69495E



1A0051



36222F



B5B5B5



363636



# Same Dimension

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



510037



690047



51000F



292527



E8009E

# Inverse Universe

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



510037



690047



005142



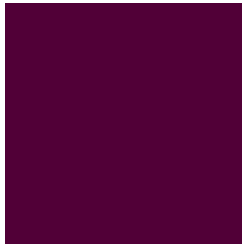
292527



E8009E

# Previews

## White Background



This preview shows how the Hex color 510037 looks on a white background.

## Color Contrast Check

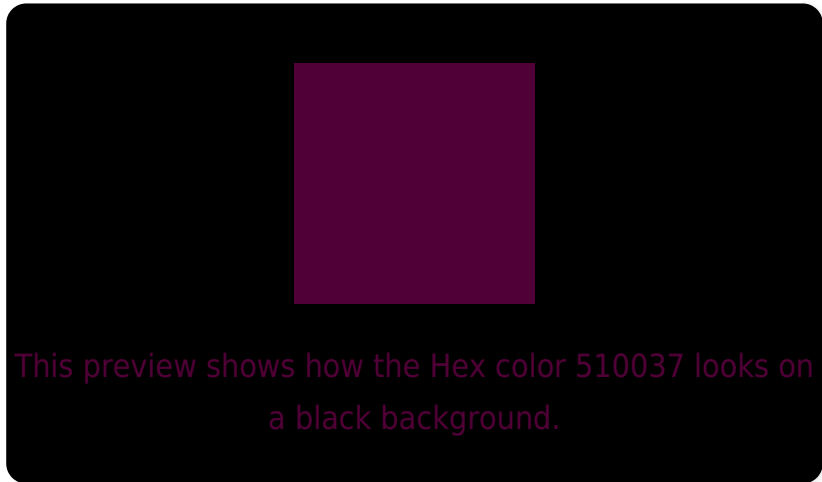
Large Text (above 18pt) WCAG AA ✓ Pass

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

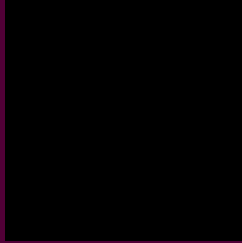
Any Text WCAG AA × Fail

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 510037 Background



This preview shows how black text looks on a background with the Hex color 510037.



This preview shows how white text looks on a background with the Hex color 510037.

# 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**  
510037

**Protanopia**  
1A2A4F

**Deuteranopia**  
2C2A33





**Tritanopia**  
4F1617

# Trichromacy



**Original Color**  
510037

**Protanomaly**  
2E1B46

**Deuteranomaly**  
391B34

**Tritanomaly**  
500E23

# Monochromacy



**Original Color**  
510037

**Achromatopsia**  
1E1E1E

**Achromatomaly**  
311327

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 510037 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 #510037 looks like.

```
.text, #text, p{  
    color:#510037  
}
```

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 #510037 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #510037  
}
```

## Border

The CSS property to change the border of an element to Hex 510037 is called "border". The border property can be set on classes, ids or directly on the HTML element.

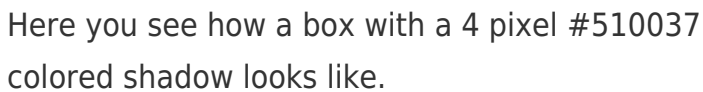
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#510037 }
```

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

```
.border{ border-color:#510037 }
```

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



Here you see how a box with a 4 pixel #510037 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #510037; -webkit-box-shadow:4px 4px  
4px 4px #510037; box-shadow:4px 4px 4px  
4px #510037 }
```

# Background

The CSS property to change the background color of an element to Hex 510037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#510037 }
```

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

```
.background{ background-color:#510037 }
```

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