

# Converting Colors

Hex(5D237E)

Have a look what the booklet for  
Hex(5D237E) contains.

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# Color

**Hex(5D237E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5D237E
RGB	93, 35, 126
RGB Percent	36%, 14%, 49%
CMY	0.6353, 0.8627, 0.5059
CMYK	0.26, 0.72, 0.00, 0.51
HSL	278°, 57%, 32%
HSV	278°, 72%, 49%
XYZ	8.8811, 5.0356, 20.2425
YIQ	62.7160, 5.3570, 40.5970

# Conversions

## Conversions Part 2

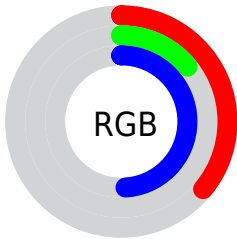
<b>Format</b>	<b>Color</b>
<b>RYB</b>	93, 35, 126
Decimal	6103934
CIELab	26.84, 42.25, -40.29
CIElCh	27, 58.384, 316.360
Yxy	5.0356, 0.2600, 0.1474
Android (android.graphics.Color)	4284294014 (0xFF5D237E)
YUV	62.7160, 31.1990, 26.5591
Hunter-Lab	22.4401, 31.3749, -37.7757

# Details

The Hex color **5D237E** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **447E23**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **9255B3**, and **2A004C** is the 20% darker color. If you saturate the color by 10%, you get **58167E**, and if you desaturate by 10%, it is **62307E**.

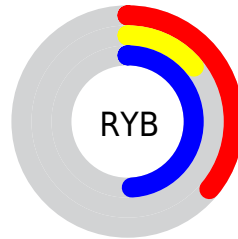
# Distribution



Red (36%)

Green (14%)

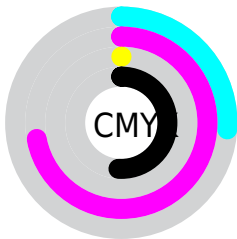
Blue (49%)



Red (36%)

Yellow (14%)

Blue (49%)

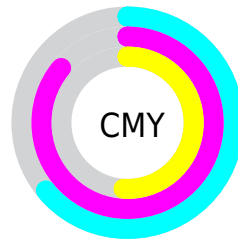


Cyan (26%)

Magenta (72%)

Yellow (0%)

Black (51%)



Cyan (64%)

Magenta (86%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5D237E 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 5D237E by changing the saturation by 10% instead.



5D237E

5D237E

FFFFFF

430665

9255B3

2A004C

AE6ECF

120035

CA89EC

00021E

E7A4FF

000001

FFBFFF

000000

FFDBFF

FFF8FF

5D237E

5D237E

■ 58167E

■ 62307E

■ 540A7E

■ 663C7E

■ 50007E

■ 6B497E

■ 6F557E

■ 74627E

■ 786F7E

■ 7D7B7E

■ 82887E

■ 86947E

# Harmonies

## Analogous

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



003D97



5D237E



820056

# Triad

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



5D237E



5F3600



005158

# Complementary

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



5D237E



447E23

# 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.



005029



5D237E



384500

# Square

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



5D237E



7C1B00



004D00



005080

# Rectangle

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



5D237E



8A0038



004D00



005148



# Sweetspot

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



5D237E



967FA3



23447E



4A3C52



D1D1D1



525252



# Same Dimension

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



5D237E



7015A3



7E2372



3D3940



510080



000000



# Inverse Universe

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



7E2344



A31549



237E2F



40393C



80002E

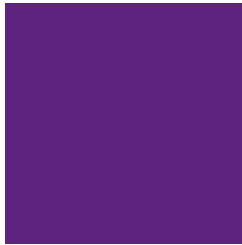


000000



# Previews

## White Background



This preview shows how the Hex color 5D237E 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

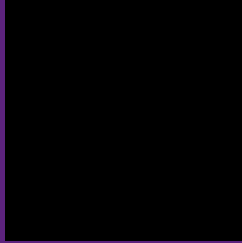
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5D237E Background



This preview shows how black text looks on a background with the Hex color 5D237E.



This preview shows how white text looks on a background with the Hex color 5D237E.

# 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**  
5D237E

**Protanopia**  
003E83

**Deuteranopia**  
004273



**Tritanopia**  
52393E

# Trichromacy



**Original Color**  
5D237E

**Protanomaly**  
223481

**Deuteranomaly**  
223777

**Tritanomaly**  
563155

# Monochromacy



**Original Color**  
5D237E

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
4A3556

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5D237E 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 #5D237E looks like.

```
.text, #text, p{  
    color:#5D237E  
}
```

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 #5D237E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5D237E
}
```

## Border

The CSS property to change the border of an element to Hex 5D237E is called "border". The border property can be set on classes, ids or directly on the HTML element.

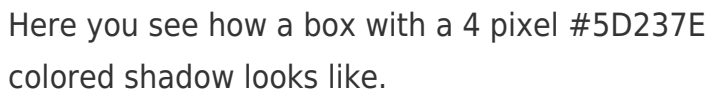
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5D237E }
```

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

```
.border{ border-color:#5D237E }
```

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



Here you see how a box with a 4 pixel #5D237E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5D237E; -webkit-box-shadow:4px 4px  
4px 4px #5D237E; box-shadow:4px 4px 4px  
4px #5D237E }
```

# Background

The CSS property to change the background color of an element to Hex 5D237E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5D237E }
```

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

```
.background{ background-color:#5D237E }
```

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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