

# Converting Colors

Hex(5F0087)

Have a look what the booklet for  
Hex(5F0087) contains.

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**Color**

**Hex(5F0087)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5F0087
RGB	95, 0, 135
RGB Percent	37%, 0%, 53%
CMY	0.6275, 1.0000, 0.4706
CMYK	0.30, 1.00, 0.00, 0.47
HSL	282°, 100%, 26%
HSV	282°, 100%, 53%
XYZ	9.0925, 4.1822, 23.2497
YIQ	43.7950, 13.2850, 62.1250

# Conversions

## Conversions Part 2

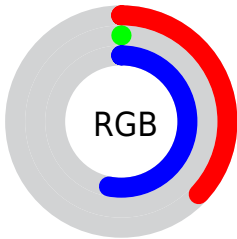
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 0, 135
Decimal	6226055
CIELab	24.26, 55.12, -50.12
CIElCh	24, 74.499, 317.721
Yxy	4.1822, 0.2489, 0.1145
Android (android.graphics.Color)	4284416135 (0xFF5F0087)
YUV	43.7950, 44.9641, 44.9068
Hunter-Lab	20.4503, 43.5753, -53.0906

# Details

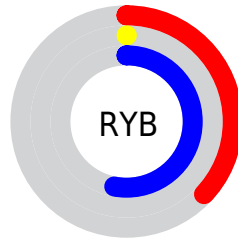
The Hex color **5F0087** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **288700**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **9641BD**, and **290054** is the 20% darker color. If you saturate the color by 10%, you get **5F0087**, and if you desaturate by 10%, it is **630D87**.

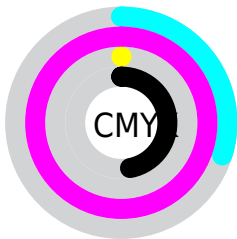
# Distribution



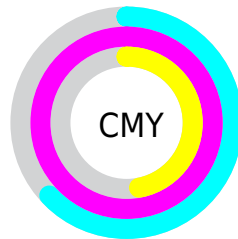
- Red (37%)
- Green (0%)
- Blue (53%)



- Red (37%)
- Yellow (0%)
- Blue (53%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (47%)



- Cyan (63%)
- Magenta (100%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5F0087 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 5F0087 by changing the saturation by 10% instead.



 5F0087

 5F0087

FFFFFF

 44006D

 9641BD

 290054

 B25CD9

 09003C

 CF77F6

 000225

 ED92FF

 00010E

 FFAEFF

 000000

 FFCAFF

 FFE7FF

 5F0087

 630D87

 671B87

 6B2987

 6F3687

 734487

 775187

 7B5E87

 7F6C87

 837A87

# Harmonies

## Analogous

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



0037A8



5F0087



8C0053

# Triad

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



5F0087



5A2F00



004D5B

# Complementary

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



5F0087



288700

# 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.



004C1F



5F0087



274100

# Square

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



5F0087



7F0000



004900



004E8E

# Rectangle

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



5F0087



94002F



004900



004D48



# Sweetspot

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



5F0087



A07BB0



002887



503959



D9D9D9



595959



# Same Dimension

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



5F0087



7C00B0



87006C



403C42



5C0082



020003



# Inverse Universe

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



870028



B00034



00871B



423C3E



820027



030001



# Previews

## White Background



This preview shows how the Hex color 5F0087 looks on a white background.

## Color Contrast Check

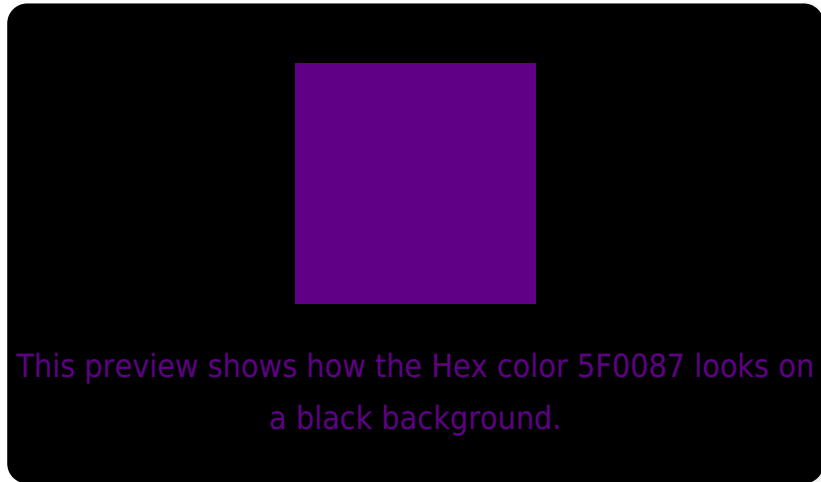
Large Text (above 18pt) WCAG AA ✓ Pass

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

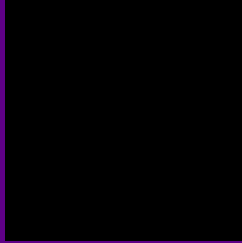
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5F0087 Background



This preview shows how black text looks on a background with the Hex color 5F0087.



This preview shows how white text looks on a background with the Hex color 5F0087.

# 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**  
5F0087

**Protanopia**  
003B7C

**Deuteranopia**  
003F6C



**Tritanopia**  
523539

# Trichromacy



**Original Color**  
5F0087

**Protanomaly**  
232680

**Deuteranomaly**  
232876

**Tritanomaly**  
572255

# Monochromacy



**Original Color**  
5F0087

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
3F1C4D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5F0087 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 #5F0087 looks like.

```
.text, #text, p{  
    color:#5F0087  
}
```

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 #5F0087 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5F0087
}
```

## Border

The CSS property to change the border of an element to Hex 5F0087 is called "border". The border property can be set on classes, ids or directly on the HTML element.

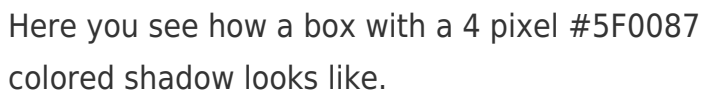
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5F0087 }
```

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

```
.border{ border-color:#5F0087 }
```

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



Here you see how a box with a 4 pixel #5F0087 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5F0087; -webkit-box-shadow:4px 4px  
4px 4px #5F0087; box-shadow:4px 4px 4px  
4px #5F0087 }
```

# Background

The CSS property to change the background color of an element to Hex 5F0087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5F0087 }
```

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

```
.background{ background-color:#5F0087 }
```

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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