

# Converting Colors

Hex(4D0087)

Have a look what the booklet for  
Hex(4D0087) contains.

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**Color**

**Hex(4D0087)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D0087
RGB	77, 0, 135
RGB Percent	30%, 0%, 53%
CMY	0.6980, 1.0000, 0.4706
CMYK	0.43, 1.00, 0.00, 0.47
HSL	274°, 100%, 26%
HSV	274°, 100%, 53%
XYZ	7.4337, 3.3271, 23.1721
YIQ	38.4130, 2.5570, 58.3090

# Conversions

## Conversions Part 2

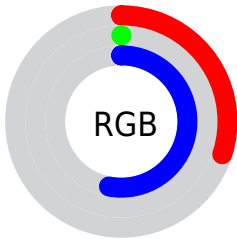
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 0, 135
Decimal	5046407
CIELab	21.31, 53.01, -55.08
CIElCh	21, 76.448, 313.903
Yxy	3.3271, 0.2191, 0.0980
Android (android.graphics.Color)	4283236487 (0xFF4D0087)
YUV	38.4130, 47.6174, 33.8408
Hunter-Lab	18.2402, 40.8268, -62.5529

# Details

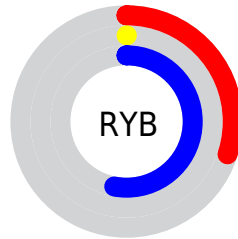
The Hex color **4D0087** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **3A8700**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **853EBD**, and **150054** is the 20% darker color. If you saturate the color by 10%, you get **4D0087**, and if you desaturate by 10%, it is **530D87**.

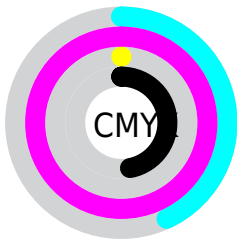
# Distribution



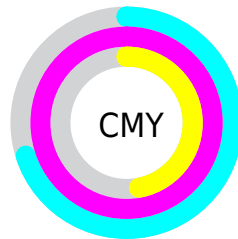
- Red (30%)
- Green (0%)
- Blue (53%)



- Red (30%)
- Yellow (0%)
- Blue (53%)



- Cyan (43%)
- Magenta (100%)
- Yellow (0%)
- Black (47%)



- Cyan (70%)
- Magenta (100%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D0087 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 4D0087 by changing the saturation by 10% instead.



 4D0087

 4D0087

FFFEFF

 31006D

 853EBD

 150054

 A158DA

 00003C

 BD72F6

 000225

 DB8DFF

 00010D

 F8A8FF

 000000

 FFC4FF

 FFE1FF

 4D0087

■ 530D87

■ 591B87

■ 5E2987

■ 643687

■ 6A4487

■ 705187

■ 765E87

■ 7B6C87

■ 817A87

# Harmonies

## Analogous

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



0035A5



4D0087



820054

# Triad

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



4D0087



582400



00464D

# Complementary

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



4D0087



3A8700

# 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.



004410



4D0087



273900

# Square

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



4D0087



7B0000



004100



004783

# Rectangle

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



4D0087



8C002F



004100



00463A



# Sweetspot

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



4D0087



997BB0



003B87



4B3959



D9D9D9



595959



# Same Dimension

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



4D0087



6400B0



87007E



3F3C42



4A0082



010003



# Inverse Universe

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



87003A



B0004C



008709



423C3F



820038

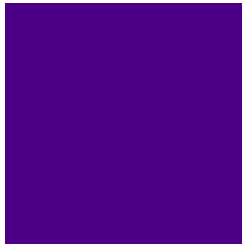


030001



# Previews

## White Background



This preview shows how the Hex color 4D0087 looks on a white background.

## Color Contrast Check

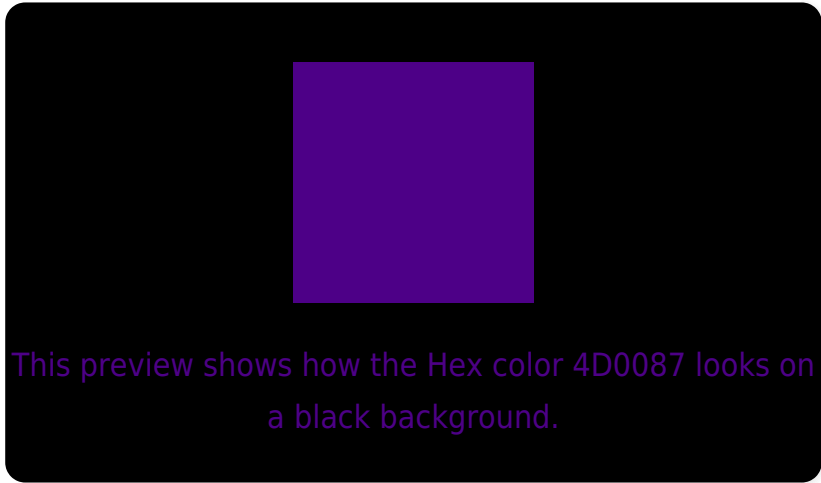
Large Text (above 18pt) WCAG AA ✓ Pass

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

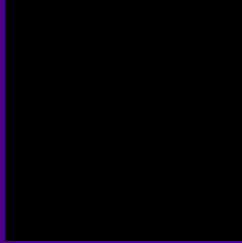
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4D0087 Background



This preview shows how black text looks on a background with the Hex color 4D0087.



This preview shows how white text looks on a background with the Hex color 4D0087.

# 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**  
4D0087

**Protanopia**  
00356F

**Deuteranopia**  
00385F



**Tritanopia**  
3B3539

# Trichromacy



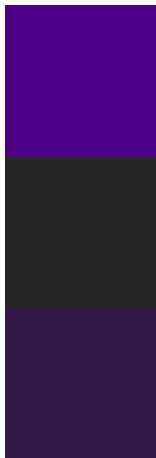
**Original Color**  
4D0087

**Protanomaly**  
1C2278

**Deuteranomaly**  
1C246E

**Tritanomaly**  
422255

# Monochromacy



**Original Color**  
4D0087

**Achromatopsia**  
262626

**Achromatomaly**  
341849

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D0087 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 #4D0087 looks like.

```
.text, #text, p{  
    color:#4D0087  
}
```

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 #4D0087 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D0087
}
```

## Border

The CSS property to change the border of an element to Hex 4D0087 is called "border". The border property can be set on classes, ids or directly on the HTML element.

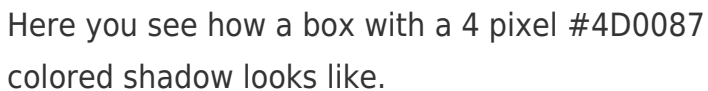
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#4D0087 }
```

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

```
.border{ border-color:#4D0087 }
```

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



Here you see how a box with a 4 pixel #4D0087 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D0087; -webkit-box-shadow:4px 4px  
4px 4px #4D0087; box-shadow:4px 4px 4px  
4px #4D0087 }
```

# Background

The CSS property to change the background color of an element to Hex 4D0087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D0087 }
```

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

```
.background{ background-color:#4D0087 }
```

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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