

# Converting Colors

Hex(4C117D)

Have a look what the booklet for  
Hex(4C117D) contains.

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# Color

**Hex(4C117D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4C117D
RGB	76, 17, 125
RGB Percent	30%, 7%, 49%
CMY	0.7020, 0.9333, 0.5098
CMYK	0.39, 0.86, 0.00, 0.51
HSL	273°, 76%, 28%
HSV	273°, 86%, 49%
XYZ	6.8826, 3.4181, 19.6990
YIQ	46.9530, 0.4960, 46.0960

# Conversions

## Conversions Part 2

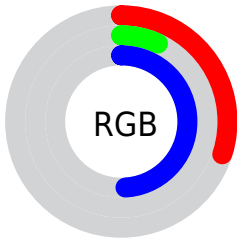
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	76, 17, 125
Decimal	4985213
CIE <sub>Lab</sub>	21.65, 46.14, -48.21
CIE <sub>LCh</sub>	22, 66.730, 313.742
Yxy	3.4181, 0.2294, 0.1139
Android (android.graphics.Color)	4283175293 (0xFF4C117D)
YUV	46.9530, 38.4772, 25.4742
Hunter-Lab	18.4880, 34.0969, -50.2321

# Details

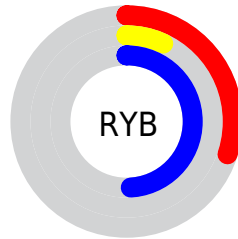
The Hex color **4C117D** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **427D11**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **8245B3**, and **18004B** is the 20% darker color. If you saturate the color by 10%, you get **46047D**, and if you desaturate by 10%, it is **521D7D**.

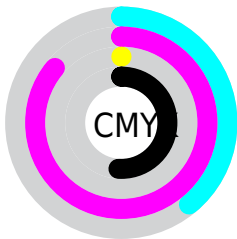
# Distribution



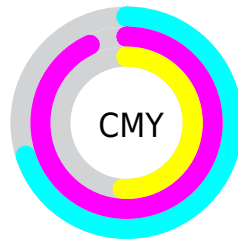
- Red (30%)
- Green (7%)
- Blue (49%)



- Red (30%)
- Yellow (7%)
- Blue (49%)



- Cyan (39%)
- Magenta (86%)
- Yellow (0%)
- Black (51%)



- Cyan (70%)
- Magenta (93%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4C117D 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 4C117D by changing the saturation by 10% instead.



4C117D

4C117D

FFFFFF

310063

8245B3

18004B

9E5FCE

000033

BA79EB

00021D

D793FF

000000

F4AEFF

FFCAFF

FFE7FF

4C117D

4C117D

■ 46047D

■ 521D7D

■ 44007D

■ 572A7D

■ 5D367D

■ 63437D

■ 684F7D

■ 6E5C7D

■ 74697D

■ 79757D

■ 7F827D

# Harmonies

## Analogous

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



003497



4C117D



7A0051

# Triad

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



4C117D



562700



00454A

# Complementary

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



4C117D



427D11

# 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.



004415



4C117D



2C3900

# Square

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



4C117D



750000



004100



004679

# Rectangle

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



4C117D



830030



004100



004539



# Sweetspot

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



4C117D



9079A3



11437D



463852



D1D1D1



525252



# Same Dimension

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



4C117D



5900A3



7D1179



3D3940



460080



000000



# Inverse Universe

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



7D1142



A3004A



117D15



40393C



80003A

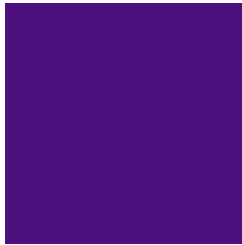


000000



# Previews

## White Background



This preview shows how the Hex color 4C117D looks on a white background.

## Color Contrast Check

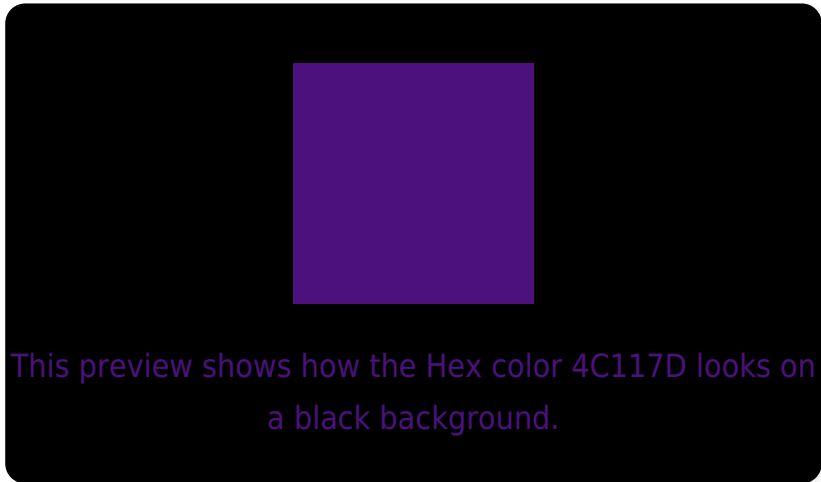
Large Text (above 18pt) WCAG AA ✓ Pass

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

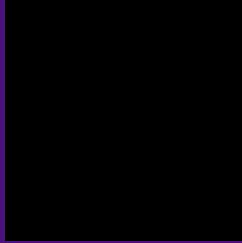
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4C117D Background



This preview shows how black text looks on a background with the Hex color 4C117D.



This preview shows how white text looks on a background with the Hex color 4C117D.

# 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](#).

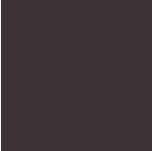
## Dichromacy



**Original Color**  
4C117D

**Protanopia**  
00346D

**Deuteranopia**  
00375E



**Tritanopia**  
3D3337

# Trichromacy



**Original Color**  
4C117D

**Protanomaly**  
1C2773

**Deuteranomaly**  
1C2969

**Tritanomaly**  
422750

# Monochromacy



**Original Color**  
4C117D

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
3A244B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4C117D 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 #4C117D looks like.

```
.text, #text, p{  
    color:#4C117D  
}
```

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 #4C117D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4C117D
}
```

## Border

The CSS property to change the border of an element to Hex 4C117D 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
#4C117D }
```

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

```
.border{ border-color:#4C117D }
```

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

Here you see how a box with a 4 pixel #4C117D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4C117D; -webkit-box-shadow:4px 4px  
4px 4px #4C117D; box-shadow:4px 4px 4px  
4px #4C117D }
```

# Background

The CSS property to change the background color of an element to Hex 4C117D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4C117D }
```

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

```
.background{ background-color:#4C117D }
```

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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