

# Converting Colors

Hex(72119E)

Have a look what the booklet for  
Hex(72119E) contains.

<b>Hex(72119E)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(72119E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	72119E
RGB	114, 17, 158
RGB Percent	45%, 7%, 62%
CMY	0.5529, 0.9333, 0.3804
CMYK	0.28, 0.89, 0.00, 0.38
HSL	281°, 81%, 34%
HSV	281°, 89%, 62%
XYZ	13.3114, 6.4469, 32.8905
YIQ	62.0770, 12.5510, 64.4150

# Conversions

## Conversions Part 2

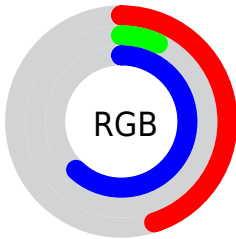
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	114, 17, 158
Decimal	7475614
CIE Lab	30.51, 59.17, -54.00
CIE LCh	31, 80.105, 317.615
Yxy	6.4469, 0.2528, 0.1225
Android (android.graphics.Color)	4285665694 (0xFF72119E)
YUV	62.0770, 47.2900, 45.5365
Hunter-Lab	25.3908, 49.1469, -59.0291

# Details

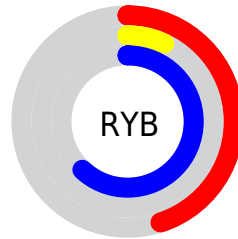
The Hex color **72119E** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **3D9E11**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **AA4ED6**, and **3A0069** is the 20% darker color. If you saturate the color by 10%, you get **6D019E**, and if you desaturate by 10%, it is **77219E**.

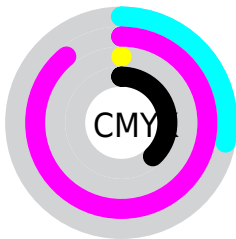
# Distribution



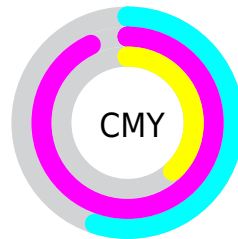
- Red (45%)
- Green (7%)
- Blue (62%)



- Red (45%)
- Yellow (7%)
- Blue (62%)



- Cyan (28%)
- Magenta (89%)
- Yellow (0%)
- Black (38%)



- Cyan (55%)
- Magenta (93%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 72119E 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 72119E by changing the saturation by 10% instead.



72119E

72119E

FFFFFF

560083

AA4ED6

3A0069

C769F2

220051

E584FF

000038

FFA0FF

000222

FFBCFF

000008

FFD9FF

000000

FFF6FF

72119E

72119E

6D019E

77219E

6D009E

7C319E

81409E

86509E

8B609E

90709E

95809E

998F9E

9E9F9E

# Harmonies

## Analogous

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



0045C3



72119E



A40065

# Triad

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



72119E



6E3C00



005F6D

# Complementary

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



72119E



3D9E11

# 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.



005D2A



72119E



355000

# Square

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



72119E



960000



005900



005EA5

# Rectangle

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



72119E



AD003C



005900



005E57



# Sweetspot

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



72119E



BD97CF



113E9E



5E4769



E8E8E8



696969



# Same Dimension

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



72119E



8E00CF



9E1184



4D474F



62008F



0B000F



# Inverse Universe

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



9E113D



CF0040



119E2B



4F474A



8F002D

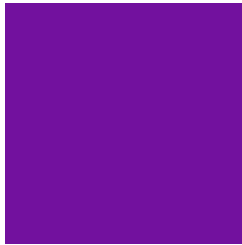


0F0005



# Previews

## White Background



This preview shows how the Hex color 72119E looks on a white background.

## Color Contrast Check

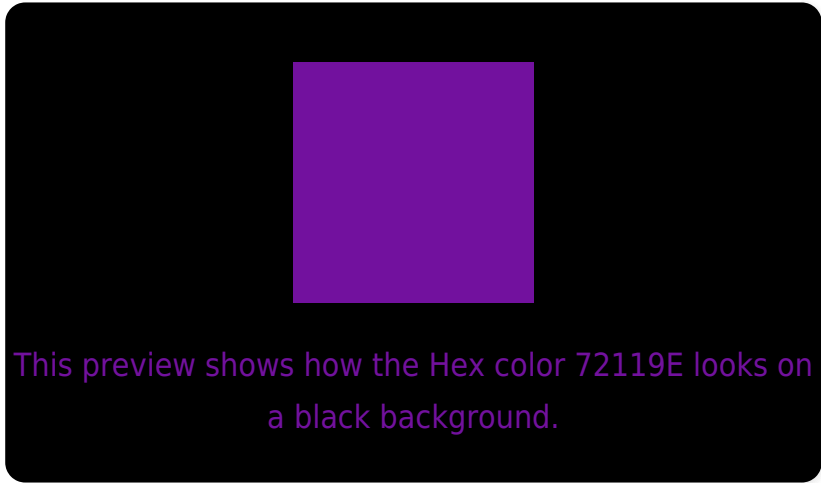
Large Text (above 18pt) WCAG AA ✓ Pass

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

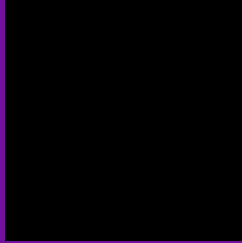
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 72119E Background



This preview shows how black text looks on a background with the Hex color 72119E.



This preview shows how white text looks on a background with the Hex color 72119E.

# 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**  
72119E

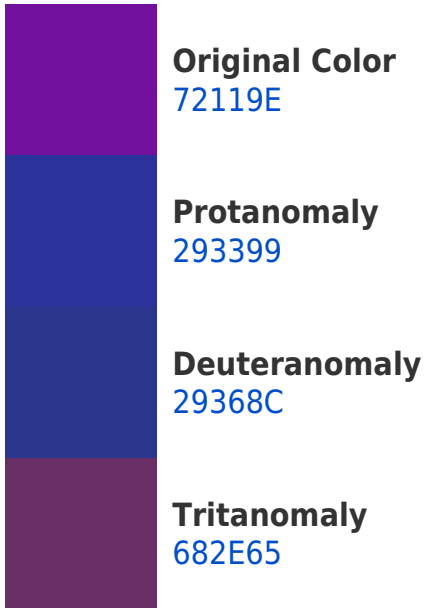
**Protanopia**  
004796

**Deuteranopia**  
004B82

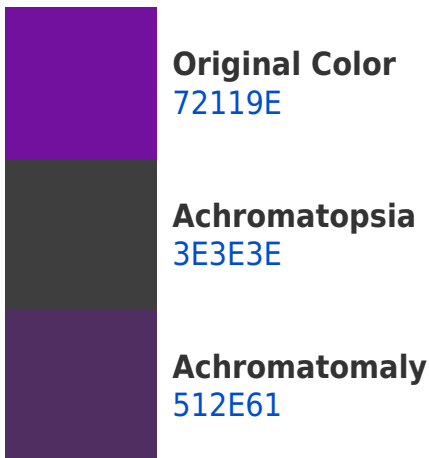


**Tritanopia**  
633F44

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 72119E 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 #72119E looks like.

```
.text, #text, p{  
    color:#72119E  
}
```

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 #72119E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #72119E
}
```

## Border

The CSS property to change the border of an element to Hex 72119E is called "border". The border property can be set on classes, ids or directly on the HTML element.

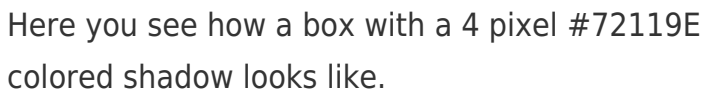
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#72119E }
```

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

```
.border{ border-color:#72119E }
```

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



Here you see how a box with a 4 pixel #72119E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #72119E; -webkit-box-shadow:4px 4px  
4px 4px #72119E; box-shadow:4px 4px 4px  
4px #72119E }
```

# Background

The CSS property to change the background color of an element to Hex 72119E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#72119E }
```

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

```
.background{ background-color:#72119E }
```

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