

# Converting Colors

Hex(77029E)

Have a look what the booklet for  
Hex(77029E) contains.

<b>Hex(77029E)</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(77029E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	77029E
RGB	119, 2, 158
RGB Percent	47%, 1%, 62%
CMY	0.5333, 0.9922, 0.3804
CMYK	0.25, 0.99, 0.00, 0.38
HSL	285°, 98%, 31%
HSV	285°, 99%, 62%
XYZ	13.8010, 6.4340, 32.8622
YIQ	54.7670, 19.6560, 73.3200

# Conversions

## Conversions Part 2

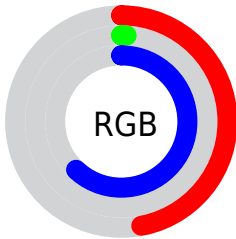
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 2, 158
Decimal	7799454
CIELab	30.48, 62.45, -54.01
CIElCh	30, 82.567, 319.142
Yxy	6.4340, 0.2599, 0.1212
Android (android.graphics.Color)	4285989534 (0xFF77029E)
YUV	54.7670, 50.8939, 56.3323
Hunter-Lab	25.3653, 52.7309, -59.0580

# Details

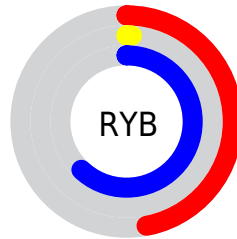
The Hex color **77029E** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **299E02**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **B049D6**, and **3F0069** is the 20% darker color. If you saturate the color by 10%, you get **77009E**, and if you desaturate by 10%, it is **7B129E**.

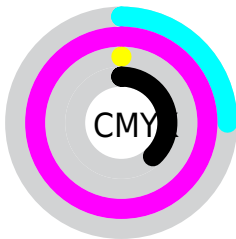
# Distribution



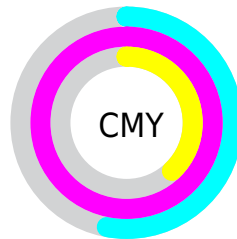
- Red (47%)
- Green (1%)
- Blue (62%)



- Red (47%)
- Yellow (1%)
- Blue (62%)



- Cyan (25%)
- Magenta (99%)
- Yellow (0%)
- Black (38%)



- Cyan (53%)
- Magenta (99%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77029E 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 77029E by changing the saturation by 10% instead.



 77029E

 77029E

FFFFFF

 5B0083

 B049D6

 3F0069

 CD65F2

 260051

 EA80FF

 000038

 FF9CFF

 000222

 FFB9FF

 000008

 FFD5FF

 000000

 FFF3FF

 77029E

 77029E

■ 77009E

■ 7B129E

■ 7F229E

■ 83319E

■ 87419E

■ 8B519E

■ 8F619E

■ 93719E

■ 97809E

■ 9B909E

# Harmonies

## Analogous

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



0043C5



77029E



A80062

# Triad

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



77029E



6C3D00



005F71

# Complementary

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



77029E



299E02

# 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.



005D2D



77029E



305100

# Square

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



77029E



960000



005A00



005FAB

# Rectangle

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



77029E



B00038



005A00



005E5B



# Sweetspot

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



77029E



BF91CF



02299E



5F4369



E8E8E8



696969



# Same Dimension

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



77029E



9B00CF



9E0277



4D474F



6B008F



0B000F



# Inverse Universe

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



9E0229



CF0034



029E29



4F4749



8F0024



0F0004



# Previews

## White Background



This preview shows how the Hex color 77029E looks on a white background.

## Color Contrast Check

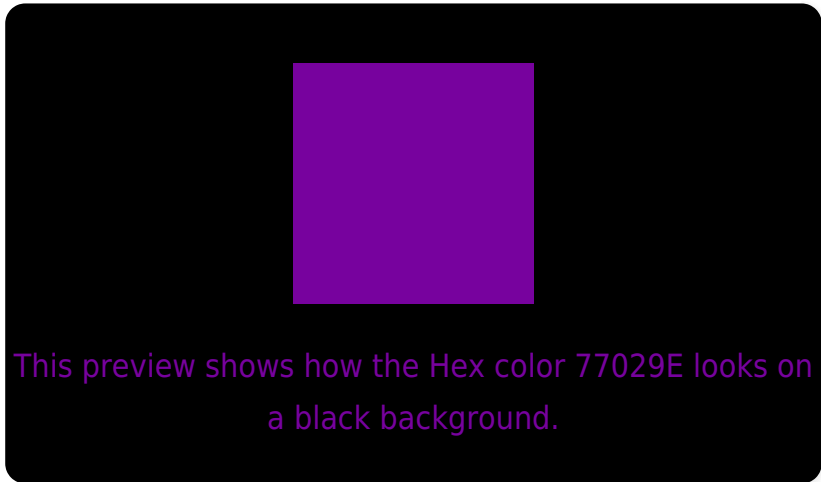
Large Text (above 18pt) WCAG AA ✓ Pass

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

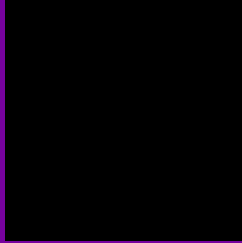
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 77029E Background



This preview shows how black text looks on a background with the Hex color 77029E.



This preview shows how white text looks on a background with the Hex color 77029E.

# 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**


77029E

**Protanopia**

004898

**Deuteranopia**

004C84



**Tritanopia**  
693E42

# Trichromacy



**Original Color**  
77029E



**Protanomaly**  
2B2F9A



**Deuteranomaly**  
2B318D



**Tritanomaly**  
6E2863

# Monochromacy



**Original Color**  
77029E



**Achromatopsia**  
373737



**Achromatomaly**  
4E245C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77029E 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 #77029E looks like.

```
.text, #text, p{  
    color:#77029E  
}
```

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 #77029E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77029E
}
```

## Border

The CSS property to change the border of an element to Hex 77029E 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".

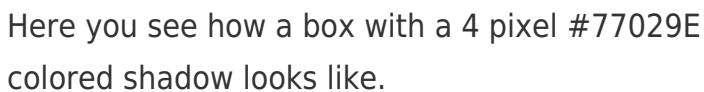
```
.border, #border, table{ border:4px solid
#77029E }
```

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

```
.border{ border-color:#77029E }
```

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

Here you see how a box with a 4 pixel #77029E colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77029E; -webkit-box-shadow:4px 4px  
4px 4px #77029E; box-shadow:4px 4px 4px  
4px #77029E }
```

# Background

The CSS property to change the background color of an element to Hex 77029E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77029E }
```

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

```
.background{ background-color:#77029E }
```

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