

# Converting Colors

Hex(45029E)

Have a look what the booklet for  
Hex(45029E) contains.

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# Color

**Hex(45029E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	45029E
RGB	69, 2, 158
RGB Percent	27%, 1%, 62%
CMY	0.7294, 0.9922, 0.3804
CMYK	0.56, 0.99, 0.00, 0.38
HSL	266°, 98%, 31%
HSV	266°, 99%, 62%
XYZ	8.6475, 3.7772, 32.6211
YIQ	39.8170, -10.1440, 62.7200

# Conversions

## Conversions Part 2

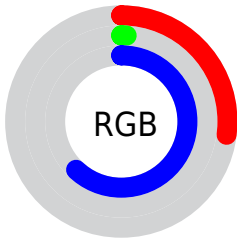
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 2, 158
Decimal	4522654
CIELab	22.92, 57.12, -66.72
CIELCh	23, 87.831, 310.566
Yxy	3.7772, 0.1920, 0.0839
Android (android.graphics.Color)	4282712734 (0xFF45029E)
YUV	39.8170, 58.2642, 25.5935
Hunter-Lab	19.4351, 45.4106, -85.9111

# Details

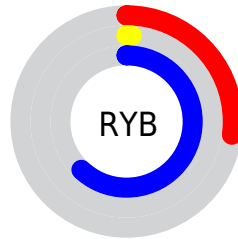
The Hex color **45029E** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **5B9E02**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **8040D6**, and **000069** is the 20% darker color. If you saturate the color by 10%, you get **44009E**, and if you desaturate by 10%, it is **4E129E**.

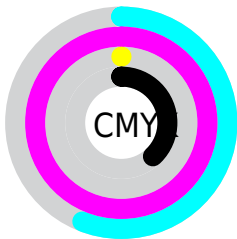
# Distribution



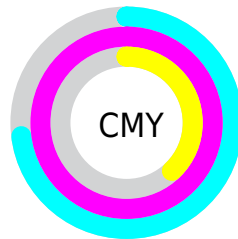
- Red (27%)
- Green (1%)
- Blue (62%)



- Red (27%)
- Yellow (1%)
- Blue (62%)



- Cyan (56%)
- Magenta (99%)
- Yellow (0%)
- Black (38%)



- Cyan (73%)
- Magenta (99%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45029E 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 45029E by changing the saturation by 10% instead.



45029E

45029E

FFFFFF

230083

8040D6

000069

9D5AF3

000050

BB74FF

000538

D88FFF

000221

F6ABFF

000007

FFC7FF

000000

FFE4FF

45029E

45029E

■ 44009E

■ 4E129E

■ 57229E

■ 60319E

■ 69419E

■ 72519E

■ 7B619E

■ 84719E

■ 8D809E

■ 96909E

# Harmonies

## Analogous

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



003CBE



45029E



8E0064

# Triad

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



45029E



652000



004B4E

# Complementary

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



45029E



5B9E02

# 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.



004900



45029E



2F3C00

# Square

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



45029E



8B0000



004600



004D8E

# Rectangle

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



45029E



9C0039



004600



004B37



# Sweetspot

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



45029E



AB91CF



025D9E



534369



E8E8E8



696969



# Same Dimension

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



45029E



5900CF



91029E



4B474F



3D008F



07000F



# Inverse Universe

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



9E025B



CF0076



0F9E02



4F474C



8F0051

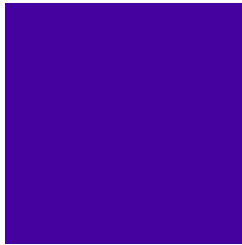


0F0009



# Previews

## White Background



This preview shows how the Hex color 45029E looks on a white background.

## Color Contrast Check

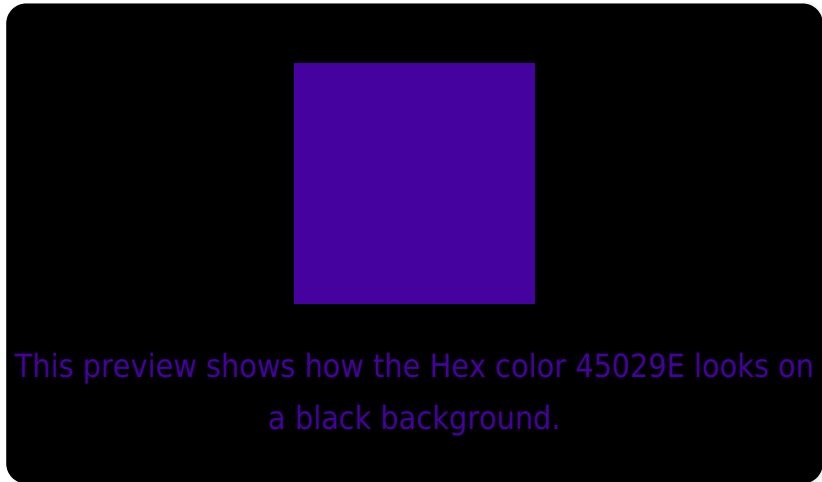
Large Text (above 18pt) WCAG AA ✓ Pass

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

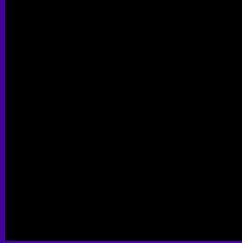
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 45029E Background



This preview shows how black text looks on a background with the Hex color 45029E.



This preview shows how white text looks on a background with the Hex color 45029E.

# 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**  
45029E

**Protanopia**  
003875

**Deuteranopia**  
003B63



**Tritanopia**  
233D42

# Trichromacy



**Original Color**  
45029E

**Protanomaly**  
192484

**Deuteranomaly**  
192678

**Tritanomaly**  
2F2863

# Monochromacy



**Original Color**  
45029E

**Achromatopsia**  
282828

**Achromatomaly**  
331A53

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45029E 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 #45029E looks like.

```
.text, #text, p{  
    color:#45029E  
}
```

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 #45029E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45029E
}
```

## Border

The CSS property to change the border of an element to Hex 45029E is called "border". The border property can be set on classes, ids or directly on the HTML element.

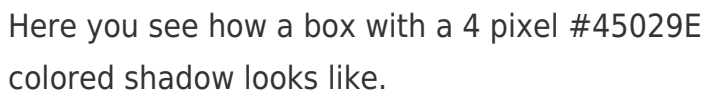
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#45029E }
```

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

```
.border{ border-color:#45029E }
```

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



Here you see how a box with a 4 pixel #45029E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45029E; -webkit-box-shadow:4px 4px  
4px 4px #45029E; box-shadow:4px 4px 4px  
4px #45029E }
```

# Background

The CSS property to change the background color of an element to Hex 45029E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45029E }
```

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

```
.background{ background-color:#45029E }
```

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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