

Converting Colors

Hex(34109E)

Have a look what the booklet for
Hex(34109E) contains.

Hex(34109E)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(34109E)

Conversions

Conversions Part 1

Format	Color
Hex	34109E
RGB	52, 16, 158
RGB Percent	20%, 6%, 62%
CMY	0.7961, 0.9373, 0.3804
CMYK	0.67, 0.90, 0.00, 0.38
HSL	255°, 82%, 34%
HSV	255°, 90%, 62%
XYZ	7.7730, 3.5693, 32.6270
YIQ	42.9520, -24.1260, 51.7940

Conversions

Conversions Part 2

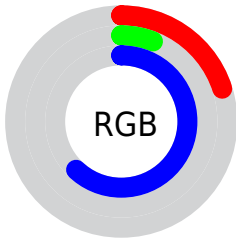
Format	Color
R _Y B	52, 16, 158
Decimal	3412126
CIE Lab	22.19, 52.41, -67.98
CIE LCh	22, 85.838, 307.626
Yxy	3.5693, 0.1768, 0.0812
Android (android.graphics.Color)	4281602206 (0xFF34109E)
YUV	42.9520, 56.7187, 7.9351
Hunter-Lab	18.8925, 40.3791, -89.1680

Details

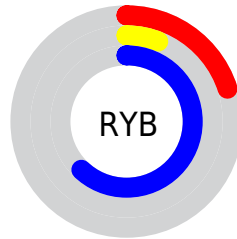
The Hex color **34109E** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **7A9E10**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **7244D6**, and **000069** is the 20% darker color. If you saturate the color by 10%, you get **28009E**, and if you desaturate by 10%, it is **40209E**.

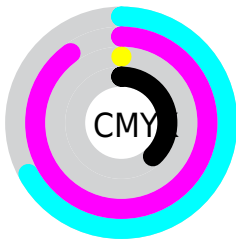
Distribution



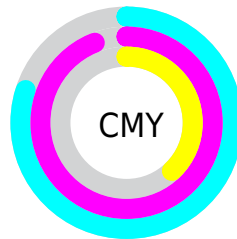
- Red (20%)
- Green (6%)
- Blue (62%)



- Red (20%)
- Yellow (6%)
- Blue (62%)



- Cyan (67%)
- Magenta (90%)
- Yellow (0%)
- Black (38%)



- Cyan (80%)
- Magenta (94%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Hex color 34109E 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 34109E by changing the saturation by 10% instead.

 34109E

 34109E

FFFFFF

 000083

 7244D6

 000069

 905EF3

 000050

 AD78FF

 000538

 CB92FF

 000221

 E9ADFF

 000007

 FFC9FF

 000000

 FFE6FF

 34109E

 34109E

■ 28009E

■ 40209E

■ 4C309E

■ 573F9E

■ 634F9E

■ 6F5F9E

■ 7B6F9E

■ 877F9E

■ 928E9E

■ 9E9E9E

Harmonies

Analogous

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



003DBA



34109E



860067

Triad

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



34109E



671A00



004945

Complementary

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



34109E



7A9E10

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.



004700



34109E



343900

Square

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



34109E



8A0000



004300



004B84

Rectangle

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



34109E



97003E



004300



00492E

Sweetspot

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



34109E



A597CF



107B9E



504769



E8E8E8



696969

Same Dimension

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



34109E



3400CF



7B109E



49474F



24008F



04000F

Inverse Universe

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



9E107A



CF009A



339E10



4F474D



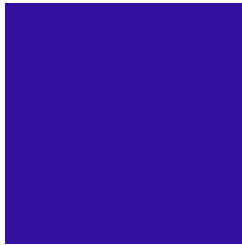
8F006B



0F000B

Previews

White Background



This preview shows how the Hex color 34109E looks on a white background.

Color Contrast Check

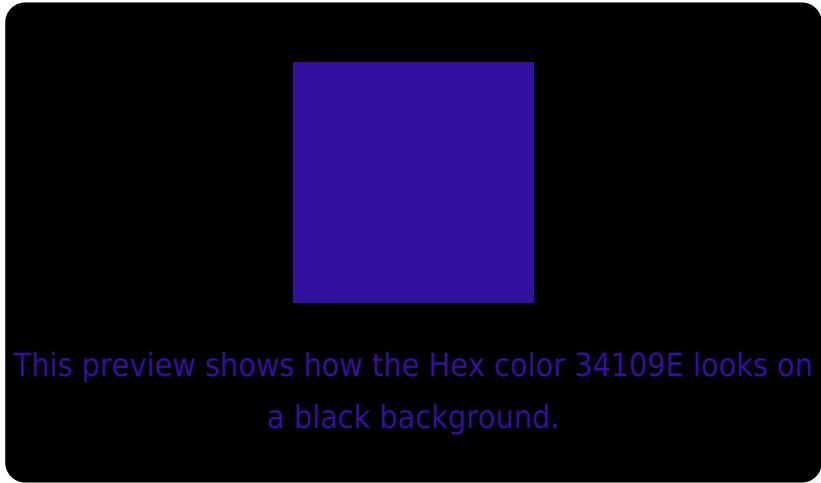
Large Text (above 18pt) WCAG AA ✓ Pass

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

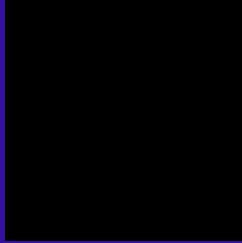
Any Text WCAG AA × Fail

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 34109E Background



This preview shows how black text looks on a background with the Hex color 34109E.



This preview shows how white text looks on a background with the Hex color 34109E.

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

34109E

Protanopia

00356E

Deuteranopia

00385E



Tritanopia
003C40

Trichromacy



Original Color

34109E

Protanomaly

13287F

Deuteranomaly

132975

Tritanomaly

132C62

Monochromacy



Original Color

34109E

Achromatopsia

2B2B2B

Achromatomaly

2E2155

CSS Examples

Text

The CSS property to change the color of the text to Hex 34109E 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 #34109E looks like.

```
.text, #text, p{  
    color:#34109E  
}
```

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 #34109E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #34109E
}
```

Border

The CSS property to change the border of an element to Hex 34109E is called "border". The border property can be set on classes, ids or directly on the HTML element.

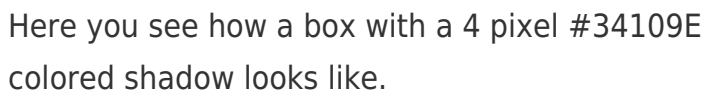
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#34109E }
```

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

```
.border{ border-color:#34109E }
```

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



Here you see how a box with a 4 pixel #34109E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #34109E; -webkit-box-shadow:4px 4px  
4px 4px #34109E; box-shadow:4px 4px 4px  
4px #34109E }
```

Background

The CSS property to change the background color of an element to Hex 34109E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#34109E }
```

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

```
.background{ background-color:#34109E }
```

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