

# Converting Colors

Hex(64309A)

Have a look what the booklet for  
Hex(64309A) contains.

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# Color

**Hex(64309A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64309A
RGB	100, 48, 154
RGB Percent	39%, 19%, 60%
CMY	0.6078, 0.8118, 0.3961
CMYK	0.35, 0.69, 0.00, 0.40
HSL	269°, 52%, 40%
HSV	269°, 69%, 60%
XYZ	12.1452, 7.1563, 31.3130
YIQ	75.6320, -3.0340, 43.9900

# Conversions

## Conversions Part 2

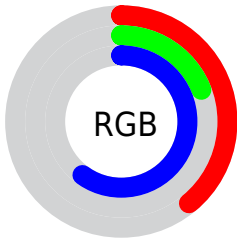
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 48, 154
Decimal	6566042
CIE <sub>Lab</sub>	32.16, 44.25, -48.98
CIE <sub>LCh</sub>	32, 66.010, 312.099
Yxy	7.1563, 0.2400, 0.1414
Android (android.graphics.Color)	4284756122 (0xFF64309A)
YUV	75.6320, 38.6354, 21.3707
Hunter-Lab	26.7513, 34.2250, -50.6744

# Details

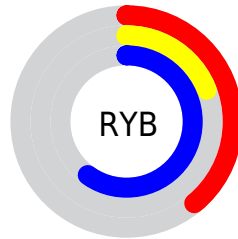
The Hex color **64309A** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **669A30**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **9B62D1**, and **2E0066** is the 20% darker color. If you saturate the color by 10%, you get **5C219A**, and if you desaturate by 10%, it is **6C3F9A**.

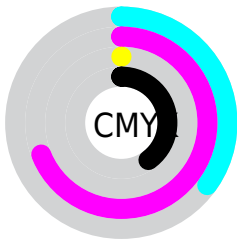
# Distribution



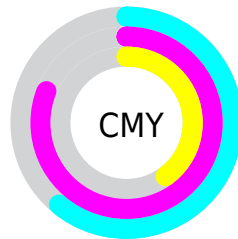
- Red (39%)
- Green (19%)
- Blue (60%)



- Red (39%)
- Yellow (19%)
- Blue (60%)



- Cyan (35%)
- Magenta (69%)
- Yellow (0%)
- Black (40%)



- Cyan (61%)
- Magenta (81%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64309A 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 64309A by changing the saturation by 10% instead.



64309A

64309A

FFFFFF

491780

9B62D1

2E0066

B77CEE

13004D

D496FF

000035

F1B2FF

00021F

FFCEFF

000002

FFEAFF

000000

64309A

64309A

5C219A

6C3F9A

■ 54119A

■ 744F9A

■ 4C029A

■ 7C5E9A

■ 4C009A

■ 836E9A

■ 8B7D9A

■ 938C9A

■ 9B9C9A

■ A3AB9A

■ ABBB9A

# Harmonies

## Analogous

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



004CB3



64309A



95006D

# Triad

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



64309A



763D00



006060

# Complementary

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



64309A



669A30

# 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.



005F29



64309A



4A5000

# Square

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



64309A



951A03



005A00



006091

# Rectangle

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



64309A



A1004B



005A00



00604E



# Sweetspot

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



64309A



B49FC9



30679A



594D66



E6E6E6



666666



# Same Dimension

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



64309A



7422C9



98309A



49454D



45008C



06000D



# Inverse Universe

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



9A3066



C92277



329A30



4D4549



8C0047

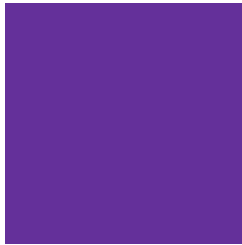


0D0006



# Previews

## White Background



This preview shows how the Hex color 64309A looks on a white background.

## Color Contrast Check

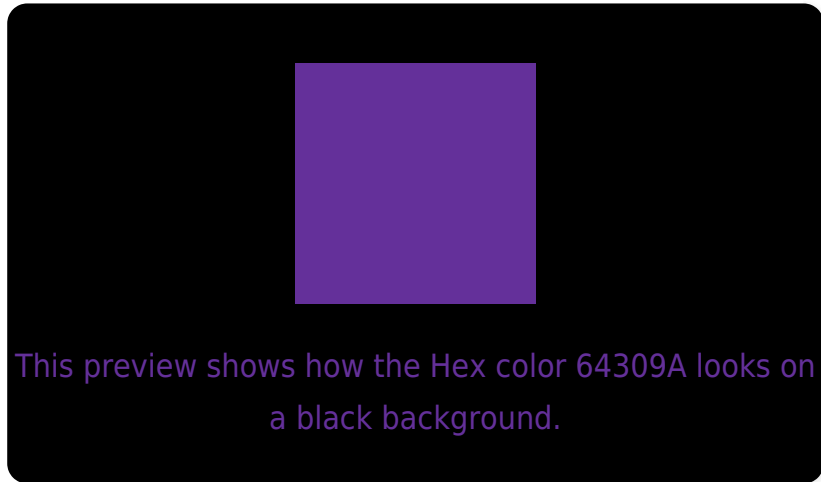
Large Text (above 18pt) WCAG AA ✓ Pass

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

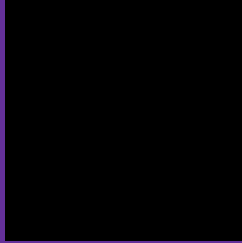
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 64309A Background



This preview shows how black text looks on a background with the Hex color 64309A.



This preview shows how white text looks on a background with the Hex color 64309A.

# 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**  
64309A

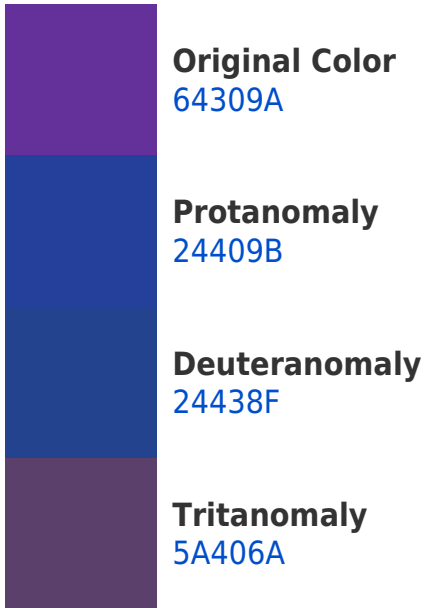
**Protanopia**  
00499B

**Deuteranopia**  
004E88

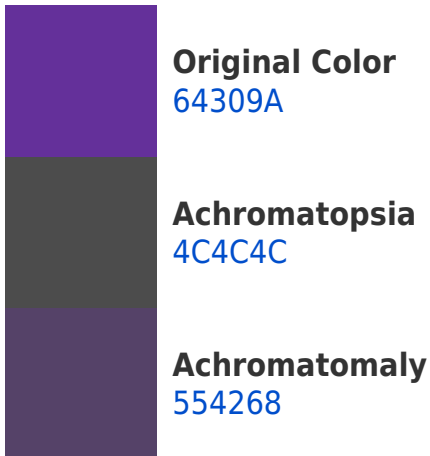


**Tritanopia**  
55494E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64309A 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 #64309A looks like.

```
.text, #text, p{  
    color:#64309A  
}
```

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 #64309A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64309A
}
```

## Border

The CSS property to change the border of an element to Hex 64309A 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
#64309A }
```

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

```
.border{ border-color:#64309A }
```

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

Here you see how a box with a 4 pixel #64309A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64309A; -webkit-box-shadow:4px 4px  
4px 4px #64309A; box-shadow:4px 4px 4px  
4px #64309A }
```

# Background

The CSS property to change the background color of an element to Hex 64309A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64309A }
```

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

```
.background{ background-color:#64309A }
```

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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