

# Converting Colors

Hex(309AE9)

Have a look what the booklet for  
Hex(309AE9) contains.

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**Color**

**Hex(309AE9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	309AE9
RGB	48, 154, 233
RGB Percent	19%, 60%, 91%
CMY	0.8118, 0.3961, 0.0863
CMYK	0.79, 0.34, 0.00, 0.09
HSL	206°, 81%, 55%
HSV	206°, 79%, 91%
XYZ	27.4825, 29.6228, 81.3601
YIQ	131.3120, -88.5350, 2.0970

# Conversions

## Conversions Part 2

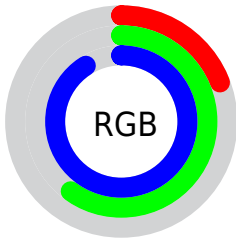
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	48, 115, 233
Decimal	3185385
CIE <sub>Lab</sub>	61.33, -2.68, -48.16
CIE <sub>LCh</sub>	61, 48.239, 266.818
Yxy	29.6228, 0.1985, 0.2139
Android (android.graphics.Color)	4281375465 (0xFF309AE9)
YUV	131.3120, 50.1322, -73.0646
Hunter-Lab	54.4268, -5.1144, -50.5311

# Details

The Hex color **309AE9** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **E97F30**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **7AD0FF**, and **0067B1** is the 20% darker color. If you saturate the color by 10%, you get **1990E9**, and if you desaturate by 10%, it is **47A4E9**.

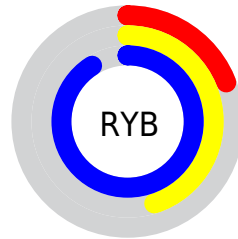
# Distribution



Red (19%)

Green (60%)

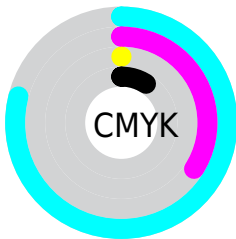
Blue (91%)



Red (19%)

Yellow (45%)

Blue (91%)

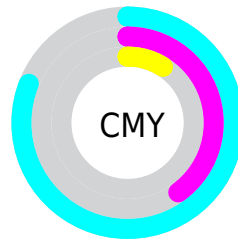


Cyan (79%)

Magenta (34%)

Yellow (0%)

Black (9%)



Cyan (81%)

Magenta (40%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 309AE9 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 309AE9 by changing the saturation by 10% instead.



 309AE9

 309AE9

FFFFFF

 0080CD

 7AD0FF

 0067B1

 99ECFF

 005096

 B8FFFF

 00397C

 D7FFFF

 002562

 F6FFFF

 000F4A

 000432

 00021C

 000000

■ 309AE9

■ 309AE9

■ 1990E9

■ 47A4E9

■ 0186E9

■ 5FAEE9

■ 0086E9

■ 76B8E9

■ 8DC2E9

■ A5CCE9

■ BCD6E9

■ D3E0E9

■ EAEAE9

■ FFF4E9

# Harmonies

## Analogous

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



00A4DB



309AE9



8F8BE0

# Triad

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



309AE9



E27370



50A563

# Complementary

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



309AE9



E97F30

# 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.



869D44



309AE9



D1804D

# Square

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



309AE9



E0709A



B1903C



00A98E

# Rectangle

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



309AE9



B67FCF



B1903C



65A357

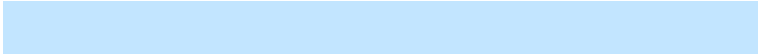


# Sweetspot

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



309AE9



C2E5FF



30E97D



5B7080



000000



808080

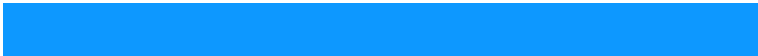


# Same Dimension

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



309AE9



0D98FF



303FE9



6A7075



0068B5



001F36



# Inverse Universe

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



E9309A



FF0D98



E9DA30



756A70



B50068



36001F



# Previews

## White Background



This preview shows how the Hex color 309AE9 looks on a white background.

## Color Contrast Check

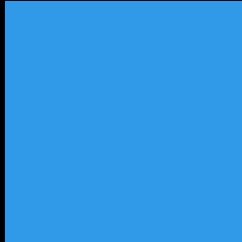
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 309AE9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

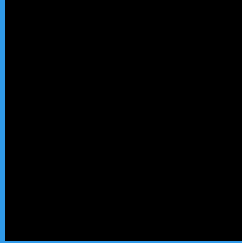
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

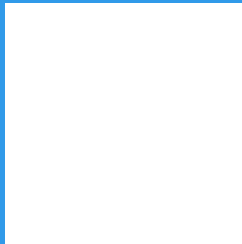
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 309AE9 Background



This preview shows how black text looks on a background with the Hex color 309AE9.



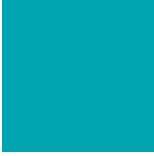
This preview shows how white text looks on a background with the Hex color 309AE9.

# 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](#).

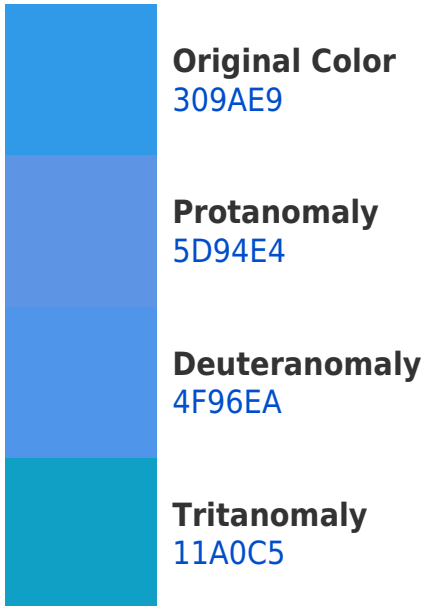
## Dichromacy





**Tritanopia**  
00A3B0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 309AE9 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 #309AE9 looks like.

```
.text, #text, p{  
    color:#309AE9  
}
```

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 #309AE9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #309AE9
}
```

## Border

The CSS property to change the border of an element to Hex 309AE9 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
#309AE9 }
```

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

```
.border{ border-color:#309AE9 }
```

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

Here you see how a box with a 4 pixel #309AE9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #309AE9; -webkit-box-shadow:4px 4px  
4px 4px #309AE9; box-shadow:4px 4px 4px  
4px #309AE9 }
```

# Background

The CSS property to change the background color of an element to Hex 309AE9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#309AE9 }
```

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

```
.background{ background-color:#309AE9 }
```

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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