

# Converting Colors

Hex(3108F7)

Have a look what the booklet for  
Hex(3108F7) contains.

<b>Hex(3108F7)</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(3108F7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3108F7
RGB	49, 8, 247
RGB Percent	19%, 3%, 97%
CMY	0.8078, 0.9686, 0.0314
CMYK	0.80, 0.97, 0.00, 0.03
HSL	250°, 94%, 50%
HSV	250°, 97%, 97%
XYZ	18.1420, 7.5420, 88.4953
YIQ	47.5050, -52.2830, 83.0210

# Conversions

## Conversions Part 2

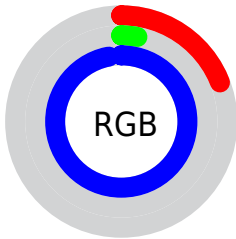
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 8, 247
Decimal	3213559
CIELab	33.01, 76.63, -102.14
CIElCh	33, 127.696, 306.879
Yxy	7.5420, 0.1589, 0.0661
Android (android.graphics.Color)	4281403639 (0xFF3108F7)
YUV	47.5050, 98.3510, 1.3111
Hunter-Lab	27.4628, 69.8576, -171.8305

# Details

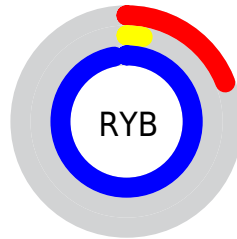
The Hex color **3108F7** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **CEF708**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **844BFF**, and **0000BD** is the 20% darker color. If you saturate the color by 10%, you get **2A00F7**, and if you desaturate by 10%, it is **4521F7**.

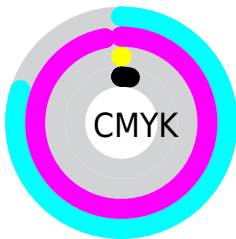
# Distribution



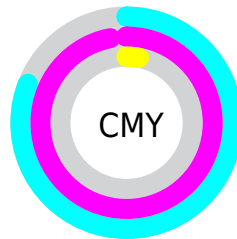
- Red (19%)
- Green (3%)
- Blue (97%)



- Red (19%)
- Yellow (3%)
- Blue (97%)



- Cyan (80%)
- Magenta (97%)
- Yellow (0%)
- Black (3%)



- Cyan (81%)
- Magenta (97%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3108F7 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 3108F7 by changing the saturation by 10% instead.



 3108F7

 3108F7

FFFFFF

 0000DA

 844BFF

 0000BD

 A767FF

 0000A1

 C882FF

 000085

 E89EFF

 000F6B

 FFBAFF

 000B51

 FFD7FF

 000539

 FFF4FF

 000223

 000009

■ 3108F7

■ 3108F7

■ 2A00F7

■ 4521F7

■ 5A39F7

■ 6E52F7

■ 836BF7

■ 9783F7

■ AC9CF7

■ C0B5F7

■ D5CEF7

■ E9E6F7

# Harmonies

## Analogous

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



005DFF



3108F7



CA00A0

# Triad

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



3108F7



9A1900



006A64

# Complementary

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



3108F7



CEF708

# 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.



006700



3108F7



4B5300

# Square

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



3108F7



D20000



006300



006EC9

# Rectangle

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



3108F7



E6005E



006300



006940



# Sweetspot

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



3108F7



C2B5FF



08CFF7



5B5380



000000



808080



# Same Dimension

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



3108F7



2C00FF



A708F7



706E7A



2000BA



0A003B



# Inverse Universe

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



F708CE



FF00D3



58F708



7A6E78



BA009A

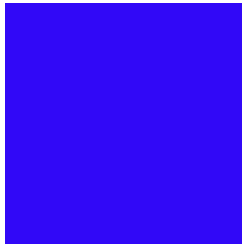


3B0031



# Previews

## White Background



This preview shows how the Hex color 3108F7 looks on a white background.

## Color Contrast Check

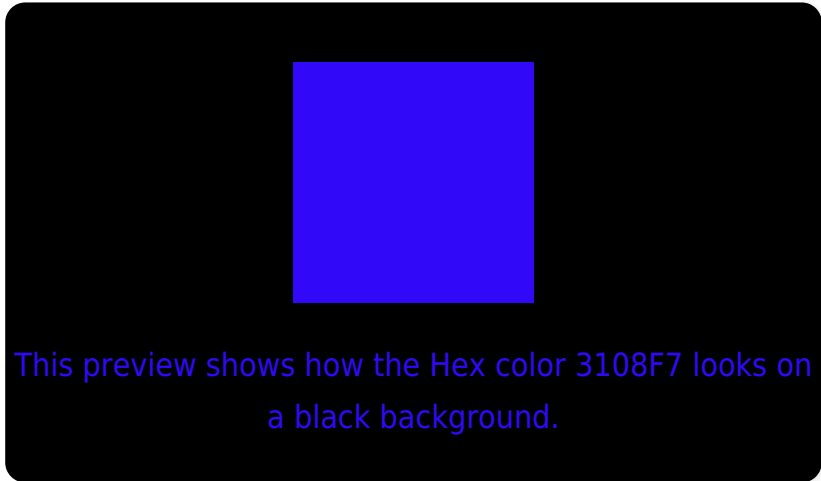
Large Text (above 18pt) WCAG AA ✓ Pass

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 3108F7 Background



This preview shows how black text looks on a background with the Hex color 3108F7.



This preview shows how white text looks on a background with the Hex color 3108F7.

# 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**  
3108F7

**Protanopia**  
004B9E

**Deuteranopia**  
005086



**Tritanopia**  
00565B

# Trichromacy



**Original Color**  
3108F7

**Protanomaly**  
1233BE

**Deuteranomaly**  
1236AF

**Tritanomaly**  
123A94

# Monochromacy



**Original Color**  
3108F7

**Achromatopsia**  
303030

**Achromatomaly**  
302178

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3108F7 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 #3108F7 looks like.

```
.text, #text, p{  
    color:#3108F7  
}
```

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 #3108F7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3108F7
}
```

## Border

The CSS property to change the border of an element to Hex 3108F7 is called "border". The border property can be set on classes, ids or directly on the HTML element.

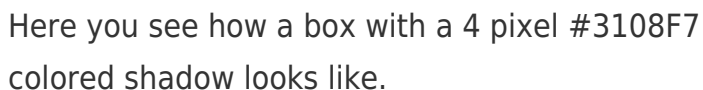
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3108F7 }
```

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

```
.border{ border-color:#3108F7 }
```

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



Here you see how a box with a 4 pixel #3108F7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3108F7; -webkit-box-shadow:4px 4px  
4px 4px #3108F7; box-shadow:4px 4px 4px  
4px #3108F7 }
```

# Background

The CSS property to change the background color of an element to Hex 3108F7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3108F7 }
```

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

```
.background{ background-color:#3108F7 }
```

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