

# Converting Colors

Hex(3A12FF)

Have a look what the booklet for  
Hex(3A12FF) contains.

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# Color

Hex(3A12FF)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3A12FF
RGB	58, 18, 255
RGB Percent	23%, 7%, 100%
CMY	0.7725, 0.9294, 0.0000
CMYK	0.77, 0.93, 0.00, 0.00
HSL	250°, 100%, 54%
HSV	250°, 93%, 100%
XYZ	20.0112, 8.5522, 95.2038
YIQ	56.9780, -52.2370, 82.1870

# Conversions

## Conversions Part 2

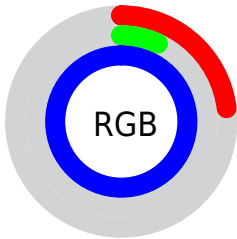
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	58, 18, 255
Decimal	3805951
CIE Lab	35.11, 77.16, -103.13
CIE LCh	35, 128.801, 306.803
Yxy	8.5522, 0.1617, 0.0691
Android (android.graphics.Color)	4281996031 (0xFF3A12FF)
YUV	56.9780, 97.6248, 0.8963
Hunter-Lab	29.2441, 70.9675, -172.5472

# Details

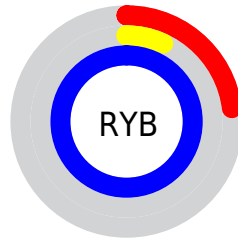
The Hex color **3A12FF** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **D7FF12**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **8B50FF**, and **0000C4** is the 20% darker color. If you saturate the color by 10%, you get **2B00FF**, and if you desaturate by 10%, it is **4F2CFF**.

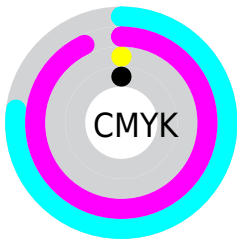
# Distribution



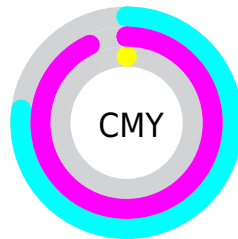
- Red (23%)
- Green (7%)
- Blue (100%)



- Red (23%)
- Yellow (7%)
- Blue (100%)



- Cyan (77%)
- Magenta (93%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (93%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3A12FF 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 3A12FF by changing the saturation by 10% instead.



 3A12FF

 3A12FF

FFFFFF

 0000E1

 8B50FF

 0000C4

 AD6CFF

 0000A8

 CE87FF

 00008C

 EEA3FF

 000B72

 FFC0FF

 000C58

 FFD0FF

 000740

 FFFAFF

 000329

 000112

 3A12FF

 3A12FF

 2B00FF

 4F2CFF

 6445FF

 7A5FFF

 8F78FF

 A492FF

 B9ABFF

 CEC5FF

 E4DEFF

 F9F8FF

# Harmonies

## Analogous

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



0062FF



3A12FF



D200A7

# Triad

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



3A12FF



A21F00



007069

# Complementary

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



3A12FF



D7FF12

# 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.



006D00



3A12FF



505800

# Square

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



3A12FF



DA0000



006800



0074D0

# Rectangle

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



3A12FF



EE0063



006800



006F45



# Sweetspot

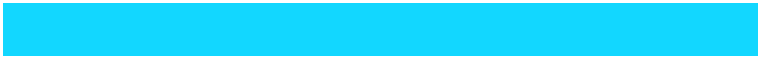
The Sweet Spot groups the original color and five complimentary colors.



3A12FF



C4B8FF



12D7FF



5B5480



000000



808080



# Same Dimension

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



3A12FF



2B00FF



B012FF



757380



2000BF



0B0040



# Inverse Universe

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



FF12D7



FF00D4



61FF12



80737D



BF009F

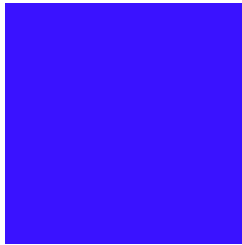


400035



# Previews

## White Background



This preview shows how the Hex color 3A12FF looks on a white background.

## Color Contrast Check

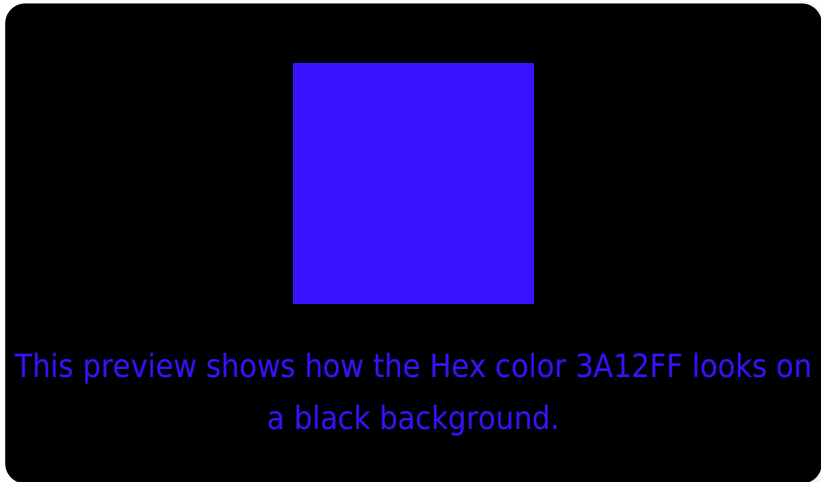
Large Text (above 18pt) WCAG AA ✓ Pass

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 3A12FF Background



This preview shows how black text looks on a background with the Hex color 3A12FF.



This preview shows how white text looks on a background with the Hex color 3A12FF.

# 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**  
3A12FF

**Protanopia**  
004FA6

**Deuteranopia**  
00558D



**Tritanopia**  
005B60

# Trichromacy



**Original Color**  
3A12FF

**Protanomaly**  
1539C6

**Deuteranomaly**  
153DB6

**Tritanomaly**  
15409A

# Monochromacy



**Original Color**  
3A12FF

**Achromatopsia**  
393939

**Achromatomaly**  
392B81

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3A12FF 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 #3A12FF looks like.

```
.text, #text, p{  
    color:#3A12FF  
}
```

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 #3A12FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3A12FF
}
```

## Border

The CSS property to change the border of an element to Hex 3A12FF is called "border". The border property can be set on classes, ids or directly on the HTML element.

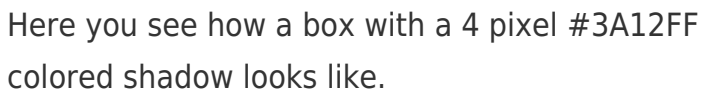
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3A12FF }
```

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

```
.border{ border-color:#3A12FF }
```

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



Here you see how a box with a 4 pixel #3A12FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3A12FF; -webkit-box-shadow:4px 4px  
4px 4px #3A12FF; box-shadow:4px 4px 4px  
4px #3A12FF }
```

# Background

The CSS property to change the background color of an element to Hex 3A12FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3A12FF }
```

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

```
.background{ background-color:#3A12FF }
```

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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