

# Converting Colors

Hex(8033FF)

Have a look what the booklet for  
Hex(8033FF) contains.

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**Color**

**Hex(8033FF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8033FF
RGB	128, 51, 255
RGB Percent	50%, 20%, 100%
CMY	0.4980, 0.8000, 0.0000
CMYK	0.50, 0.80, 0.00, 0.00
HSL	263°, 100%, 60%
HSV	263°, 80%, 100%
XYZ	28.1359, 14.1768, 95.8612
YIQ	97.2790, -19.5920, 79.7680

# Conversions

## Conversions Part 2

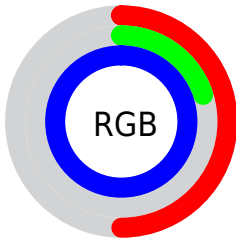
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	128, 51, 255
Decimal	8401919
CIE Lab	44.49, 72.52, -87.40
CIE LCh	44, 113.568, 309.683
Yxy	14.1768, 0.2036, 0.1026
Android (android.graphics.Color)	4286591999 (0xFF8033FF)
YUV	97.2790, 77.7565, 26.9423
Hunter-Lab	37.6522, 67.4945, -124.5940

# Details

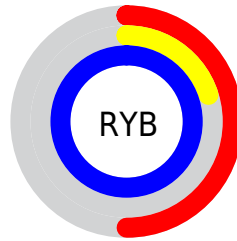
The Hex color **8033FF** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **B2FF33**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **BF6BFF**, and **3A00C5** is the 20% darker color. If you saturate the color by 10%, you get **7019FF**, and if you desaturate by 10%, it is **904DFF**.

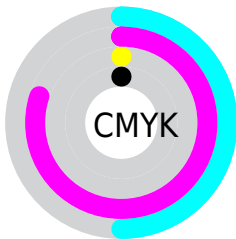
# Distribution



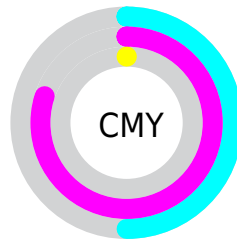
- Red (50%)
- Green (20%)
- Blue (100%)



- Red (50%)
- Yellow (20%)
- Blue (100%)



- Cyan (50%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (80%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8033FF 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 8033FF by changing the saturation by 10% instead.



 8033FF

 8033FF

FFFFFF

 5F0FE2

 BF6BFF

 3A00C5

 DE87FF

 0000A9

 FDA3FF

 00008D

 FFC0FF

 000072

 FFDDFF

 000859

 FFFAFF

 000740

 000329

 000113

 8033FF

 8033FF

 7019FF

 904DFF

 6000FF

 A066FF

 B080FF

 BF99FF

 CFB3FF

 DFCCFF

 EFE6FF

FFFFFF

# Harmonies

## Analogous

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



0070FF



8033FF



E700AD

# Triad

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



8033FF



B34900



008A87

# Complementary

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



8033FF



B2FF33

# 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.



00871C



8033FF



657000

# Square

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



8033FF



EA0000



008000



008BE3

# Rectangle

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



8033FF



FF006F



008000



008966



# Sweetspot

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



8033FF



D9C2FF



33B4FF



685B80



000000



808080



# Same Dimension

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



8033FF



670AFF



E433FF



787380



4800BF



180040



# Inverse Universe

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



FF33B2



FF0AA3



4EFF33



80737B



BF0077

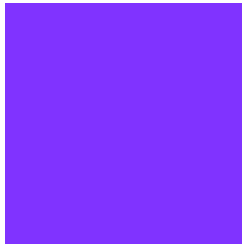


400028



# Previews

## White Background



This preview shows how the Hex color 8033FF 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 × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

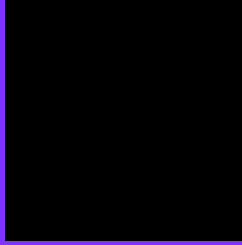
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 8033FF Background



This preview shows how black text looks on a background with the Hex color 8033FF.

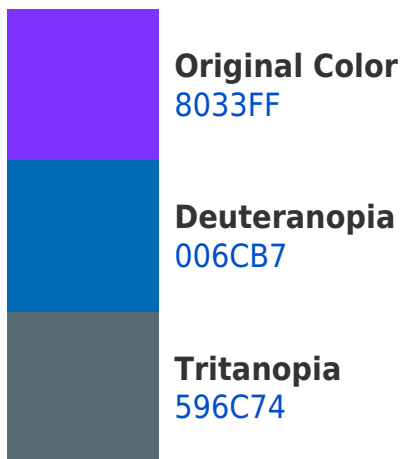


This preview shows how white text looks on a background with the Hex color 8033FF.

# 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



# Trichromacy



**Original Color**  
8033FF



**Deuteranomaly**  
2F57D1



**Tritanomaly**  
6757A7

# Monochromacy



**Original Color**  
8033FF



**Achromatopsia**  
616161



**Achromatomaly**  
6C509A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8033FF 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 #8033FF looks like.

```
.text, #text, p{  
    color:#8033FF  
}
```

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 #8033FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8033FF
}
```

## Border

The CSS property to change the border of an element to Hex 8033FF 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".

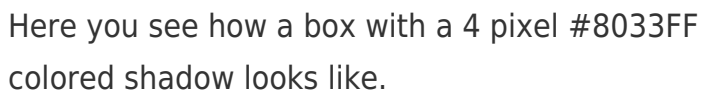
```
.border, #border, table{ border:4px solid
#8033FF }
```

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

```
.border{ border-color:#8033FF }
```

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

Here you see how a box with a 4 pixel #8033FF colored shadow looks like.

A rectangular box with a thick purple border and a purple shadow. The box is white with a purple border and a purple shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8033FF; -webkit-box-shadow:4px 4px  
4px 4px #8033FF; box-shadow:4px 4px 4px  
4px #8033FF }
```

# Background

The CSS property to change the background color of an element to Hex 8033FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8033FF }
```

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

```
.background{ background-color:#8033FF }
```

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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