

# Converting Colors

Hex(5837FF)

Have a look what the booklet for  
Hex(5837FF) contains.

<b>Hex(5837FF)</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(5837FF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5837FF
RGB	88, 55, 255
RGB Percent	35%, 22%, 100%
CMY	0.6549, 0.7843, 0.0000
CMYK	0.65, 0.78, 0.00, 0.00
HSL	250°, 100%, 61%
HSV	250°, 78%, 100%
XYZ	23.4407, 12.0271, 95.6937
YIQ	87.6670, -44.5320, 69.1960

# Conversions

## Conversions Part 2

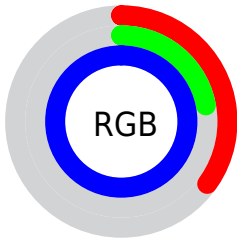
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	88, 55, 255
Decimal	5781503
CIE Lab	41.26, 66.75, -92.85
CIE LCh	41, 114.354, 305.711
Yxy	12.0271, 0.1787, 0.0917
Android (android.graphics.Color)	4283971583 (0xFF5837FF)
YUV	87.6670, 82.4952, 0.2920
Hunter-Lab	34.6801, 59.9602, -139.3245

# Details

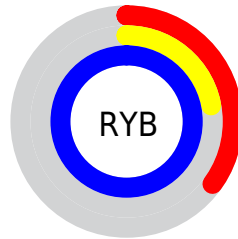
The Hex color **5837FF** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **DEFF37**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **9D6CFF**, and **0000C5** is the 20% darker color. If you saturate the color by 10%, you get **431DFF**, and if you desaturate by 10%, it is **6D51FF**.

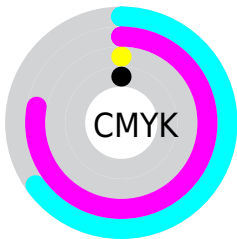
# Distribution



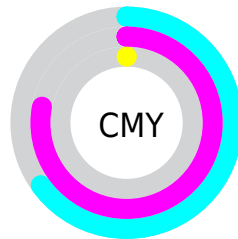
- Red (35%)
- Green (22%)
- Blue (100%)



- Red (35%)
- Yellow (22%)
- Blue (100%)



- Cyan (65%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (78%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5837FF 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 5837FF by changing the saturation by 10% instead.



 5837FF

 5837FF

FFFFFF

 2B1BE2

 9D6CFF

 0000C5

 BD86FF

 0000A8

 DDA2FF

 00008D

 FDBEFF


 000072

 FFDAFF

 000D58

 FFF7FF

 000740

 000329

 000113

■ 5837FF

■ 5837FF

■ 431DFF

■ 6D51FF

■ 2D04FF

■ 836AFF

■ 2A00FF

■ 9884FF

■ AD9DFF

■ C2B6FF

■ D8D0FF

■ EDEAFF

FFFFFF

# Harmonies

## Analogous

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



006DFF



5837FF



D600B1

# Triad

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



5837FF



B13700



008072

# Complementary

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



5837FF



DEFF37

# 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.



007D00



5837FF



676500

# Square

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



5837FF



E40000



007600



0082D0

# Rectangle

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



5837FF



F20073



007600



007F51



# Sweetspot

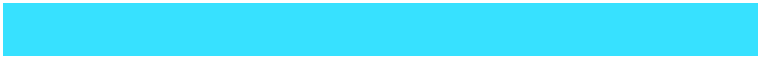
The Sweet Spot groups the original color and five complimentary colors.



5837FF



CCC2FF



37E1FF



615B80



000000



808080



# Same Dimension

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



5837FF



370FFF



B937FF



757380



2000BF



0B0040



# Inverse Universe

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



FF37DE



FF0FD7



7DFF37



80737D



BF00A0

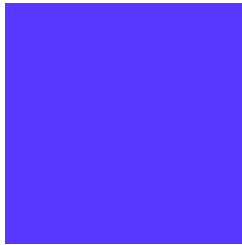


400035



# Previews

## White Background



This preview shows how the Hex color 5837FF looks on a white background.

## Color Contrast Check

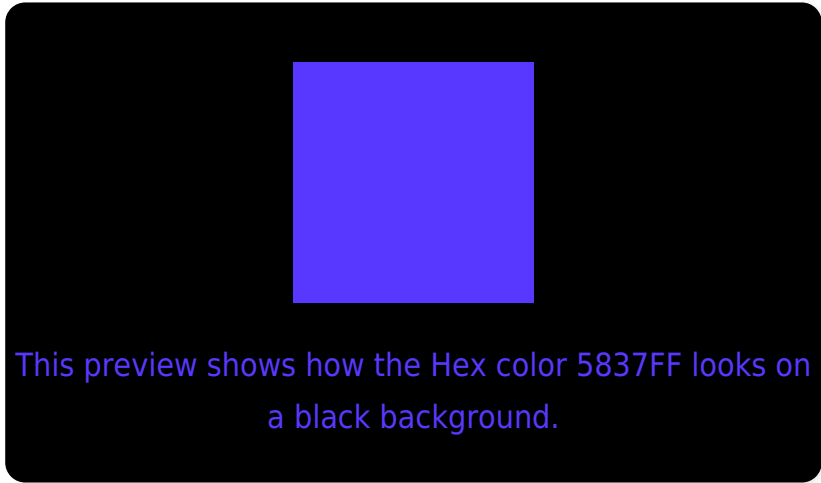
Large Text (above 18pt) WCAG AA ✓ Pass

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 5837FF Background



This preview shows how black text looks on a background with the Hex color 5837FF.



This preview shows how white text looks on a background with the Hex color 5837FF.

# 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**  
006B73

# Trichromacy



**Original Color**  
5837FF



**Protanomaly**  
204FD9



**Deuteranomaly**  
2053C7



**Tritanomaly**  
2058A6

# Monochromacy



**Original Color**  
5837FF



**Achromatopsia**  
585858



**Achromatomaly**  
584C95

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5837FF 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 #5837FF looks like.

```
.text, #text, p{  
    color:#5837FF  
}
```

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 #5837FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5837FF
}
```

## Border

The CSS property to change the border of an element to Hex 5837FF is called "border". The border property can be set on classes, ids or directly on the HTML element.

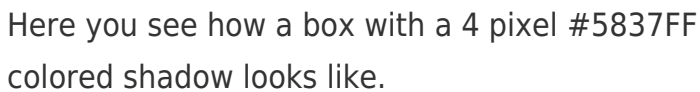
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5837FF }
```

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

```
.border{ border-color:#5837FF }
```

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



Here you see how a box with a 4 pixel #5837FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5837FF; -webkit-box-shadow:4px 4px  
4px 4px #5837FF; box-shadow:4px 4px 4px  
4px #5837FF }
```

# Background

The CSS property to change the background color of an element to Hex 5837FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5837FF }
```

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

```
.background{ background-color:#5837FF }
```

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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