

# Converting Colors

Hex(4137FF)

Have a look what the booklet for  
Hex(4137FF) contains.

<b>Hex(4137FF)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(4137FF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4137FF
RGB	65, 55, 255
RGB Percent	25%, 22%, 100%
CMY	0.7451, 0.7843, 0.0000
CMYK	0.75, 0.78, 0.00, 0.00
HSL	243°, 100%, 61%
HSV	243°, 78%, 100%
XYZ	21.5962, 11.0762, 95.6074
YIQ	80.7900, -58.2400, 64.3200

# Conversions

## Conversions Part 2

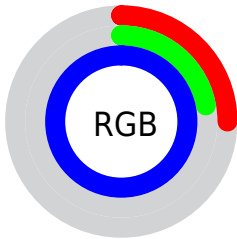
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	65, 55, 255
Decimal	4274175
CIE <sub>Lab</sub>	39.71, 64.98, -95.47
CIE <sub>LCh</sub>	40, 115.485, 304.242
Yxy	11.0762, 0.1684, 0.0863
Android (android.graphics.Color)	4282464255 (0xFF4137FF)
YUV	80.7900, 85.8855, -13.8478
Hunter-Lab	33.2809, 57.5880, -147.0281

# Details

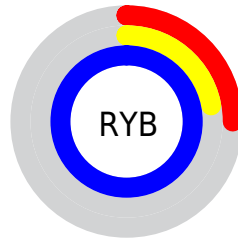
The Hex color **4137FF** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **F5FF37**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **8D6AFF**, and **0000C5** is the 20% darker color. If you saturate the color by 10%, you get **291DFF**, and if you desaturate by 10%, it is **5951FF**.

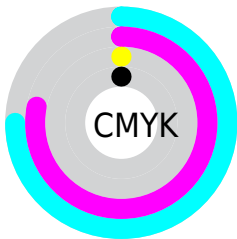
# Distribution



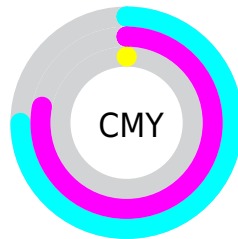
- Red (25%)
- Green (22%)
- Blue (100%)



- Red (25%)
- Yellow (22%)
- Blue (100%)



- Cyan (75%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (78%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4137FF 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 4137FF by changing the saturation by 10% instead.



 4137FF

 4137FF

FFFFFF

 001DE1

 8D6AFF

 0000C5

 AE85FF

 0000A8

 CEA0FF

 00008D

 EFBCFF

 000672

 FFD8FF

 000D58

 FFF5FF

 000740

 000329

 000113

■ 4137FF

■ 4137FF

■ 291DFF

■ 5951FF

■ 1104FF

■ 716AFF

■ 0D00FF

■ 8A84FF

■ A29DFF

■ BAB6FF

■ D2D0FF

■ EBEAFF

FFFFFF

# Harmonies

## Analogous

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



006BFF



4137FF



CF00B2

# Triad

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



4137FF



B02E00



007C6A

# Complementary

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



4137FF



F5FF37

# 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.



007900



4137FF



676000

# Square

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



4137FF



E20000



007200



007EC8

# Rectangle

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



4137FF



ED0074



007200



007B48



# Sweetspot

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



4137FF



C5C2FF



37F5FF



5C5B80



000000



808080



# Same Dimension

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



4137FF



1B0FFF



A537FF



737380



0A00BF



030040



# Inverse Universe

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



FF37F5



FF0FF3



91FF37



80737F



BF00B6



40003D



# Previews

## White Background



This preview shows how the Hex color 4137FF looks on a white background.

## Color Contrast Check

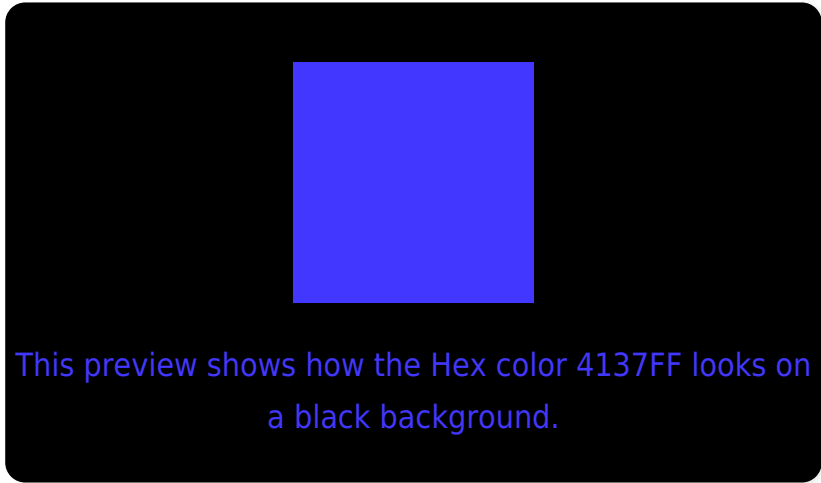
Large Text (above 18pt) WCAG AA ✓ Pass

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

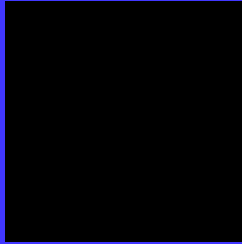
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4137FF Background



This preview shows how black text looks on a background with the Hex color 4137FF.



This preview shows how white text looks on a background with the Hex color 4137FF.

# 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**  
4137FF

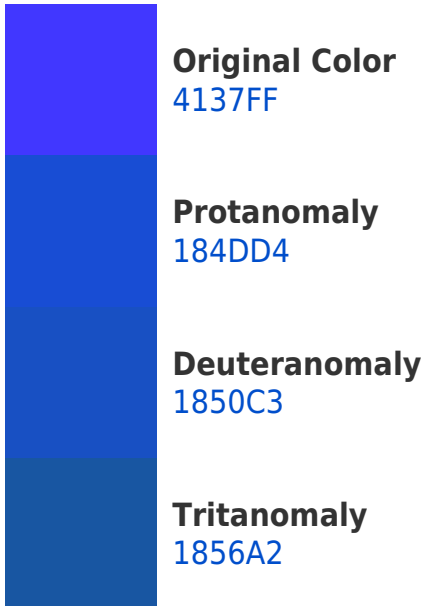
**Protanopia**  
0059BC

**Deuteranopia**  
005FA0



**Tritanopia**  
00676D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4137FF 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 #4137FF looks like.

```
.text, #text, p{  
    color:#4137FF  
}
```

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 #4137FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4137FF
}
```

## Border

The CSS property to change the border of an element to Hex 4137FF is called "border". The border property can be set on classes, ids or directly on the HTML element.

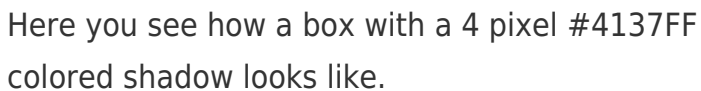
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#4137FF }
```

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

```
.border{ border-color:#4137FF }
```

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



Here you see how a box with a 4 pixel #4137FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4137FF; -webkit-box-shadow:4px 4px  
4px 4px #4137FF; box-shadow:4px 4px 4px  
4px #4137FF }
```

# Background

The CSS property to change the background color of an element to Hex 4137FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4137FF }
```

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

```
.background{ background-color:#4137FF }
```

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