

# Converting Colors

Hex(5151EC)

Have a look what the booklet for  
Hex(5151EC) contains.

<b>Hex(5151EC)</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> .....	28

# Color

Hex(5151EC)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5151EC
RGB	81, 81, 236
RGB Percent	32%, 32%, 93%
CMY	0.6824, 0.6824, 0.0745
CMYK	0.66, 0.66, 0.00, 0.07
HSL	240°, 80%, 62%
HSV	240°, 66%, 93%
XYZ	21.4761, 13.6903, 80.8675
YIQ	98.6700, -49.7550, 48.2050

# Conversions

## Conversions Part 2

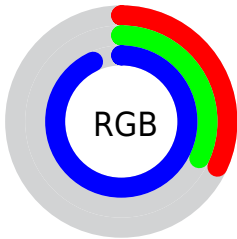
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 81, 236
Decimal	5329388
CIE <sub>Lab</sub>	43.79, 46.84, -78.04
CIE <sub>LCh</sub>	44, 91.021, 300.973
Yxy	13.6903, 0.1851, 0.1180
Android (android.graphics.Color)	4283519468 (0xFF5151EC)
<b>YUV</b>	98.6700, 67.7037, -15.4966
Hunter-Lab	37.0004, 38.8557, -103.6828

# Details

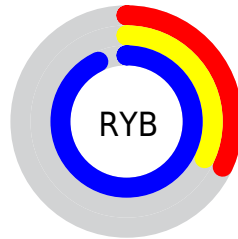
The Hex color **5151EC** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **ECEC51**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **9383FF**, and **0023B3** is the 20% darker color. If you saturate the color by 10%, you get **3939EC**, and if you desaturate by 10%, it is **6969EC**.

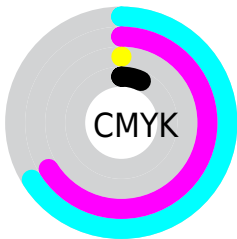
# Distribution



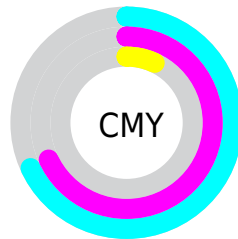
- Red (32%)
- Green (32%)
- Blue (93%)



- Red (32%)
- Yellow (32%)
- Blue (93%)



- Cyan (66%)
- Magenta (66%)
- Yellow (0%)
- Black (7%)




- Cyan (68%)
- Magenta (68%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 5151EC 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 5151EC by changing the saturation by 10% instead.



 5151EC

 5151EC

FFFFFF

 2739CF

 9383FF

 0023B3

 B29DFF

 000E97

 D0B9FF

 00007C

 EFD4FF

 000062

 FFF1FF

 000949

 000432

 00011C

 000000

■ 5151EC

■ 5151EC

■ 3939EC

■ 6969EC

■ 2222EC

■ 8080EC

■ 0A0AEC

■ 9898EC

■ 0000EC

■ AFAFEC

■ C7C7EC

■ DFD FEC

■ F6F6EC

■ FFFFEC

# Harmonies

## Analogous

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



0072FF



5151EC



BF00B2

# Triad

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



5151EC



B64200



008468

# Complementary

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



5151EC



ECEC51

# 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.



00800D



5151EC



7D6600

# Square

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



5151EC



DB001F



277800



0085B5

# Rectangle

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



5151EC



DC0082



277800



00834D



# Sweetspot

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



5151EC



CCCCFF



51ECEC



616180



000000



808080



# Same Dimension

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



5151EC



3636FF



9E51EC



6A6A75



0000B5



000036



# Inverse Universe

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



EC51EC



FF36FF



9EEC51



756A75



B500B5

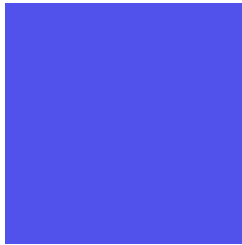


360036



# Previews

## White Background



This preview shows how the Hex color 5151EC looks on a white background.

## Color Contrast Check

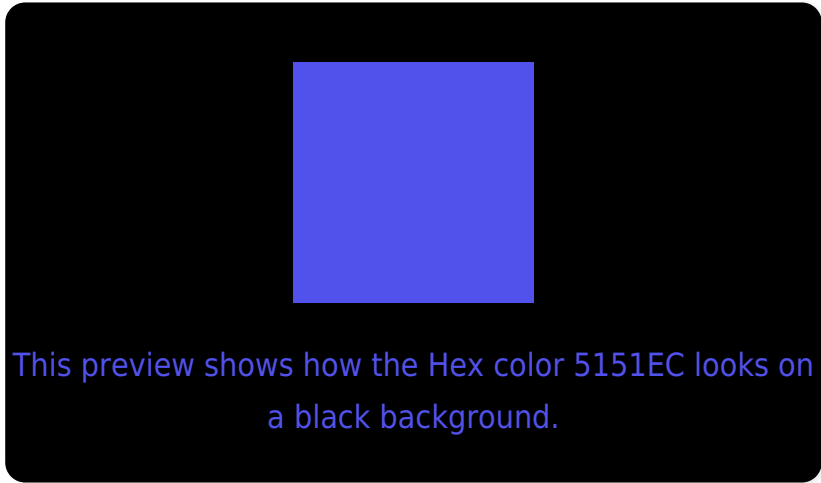
Large Text (above 18pt) WCAG AA ✓ Pass

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

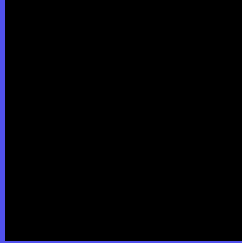
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5151EC Background



This preview shows how black text looks on a background with the Hex color 5151EC.

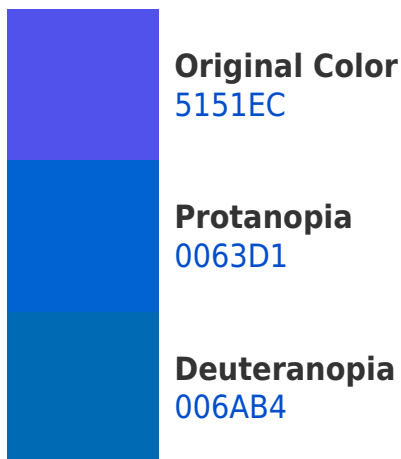


This preview shows how white text looks on a background with the Hex color 5151EC.

# 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**  
5151EC

**Protanomaly**  
1D5CDB

**Deuteranomaly**  
1D61C8

# Monochromacy



**Original Color**  
5151EC

**Achromatopsia**  
636363

**Achromatomaly**  
5C5C95

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5151EC 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 #5151EC looks like.

```
.text, #text, p{  
    color:#5151EC  
}
```

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 #5151EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5151EC
}
```

## Border

The CSS property to change the border of an element to Hex 5151EC is called "border". The border property can be set on classes, ids or directly on the HTML element.

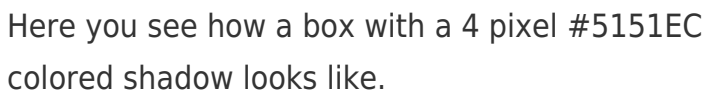
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5151EC }
```

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

```
.border{ border-color:#5151EC }
```

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



Here you see how a box with a 4 pixel #5151EC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5151EC; -webkit-box-shadow:4px 4px  
4px 4px #5151EC; box-shadow:4px 4px 4px  
4px #5151EC }
```

# Background

The CSS property to change the background color of an element to Hex 5151EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5151EC }
```

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

```
.background{ background-color:#5151EC }
```

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