

# Converting Colors

Hex(133EDF)

Have a look what the booklet for  
Hex(133EDF) contains.

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# Color

Hex(133EDF)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	133EDF
RGB	19, 62, 223
RGB Percent	7%, 24%, 87%
CMY	0.9255, 0.7569, 0.1255
CMYK	0.91, 0.72, 0.00, 0.13
HSL	227°, 84%, 47%
HSV	227°, 91%, 87%
XYZ	15.3105, 8.9114, 70.7252
YIQ	67.4970, -77.3090, 40.9550

# Conversions

## Conversions Part 2

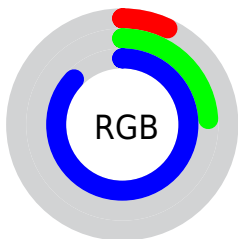
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 55, 223
Decimal	1261279
CIE <sub>Lab</sub>	35.81, 48.72, -83.87
CIE <sub>LCh</sub>	36, 96.998, 300.151
Yxy	8.9114, 0.1613, 0.0939
Android (android.graphics.Color)	4279451359 (0xFF133EDF)
YUV	67.4970, 76.6630, -42.5319
Hunter-Lab	29.8520, 39.3080, -119.5732

# Details

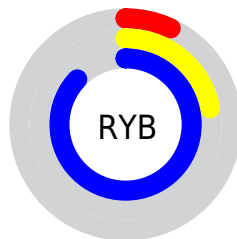
The Hex color **133EDF** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **DFB413**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **6F6EFF**, and **0013A6** is the 20% darker color. If you saturate the color by 10%, you get **002FDF**, and if you desaturate by 10%, it is **2950DF**.

# Distribution



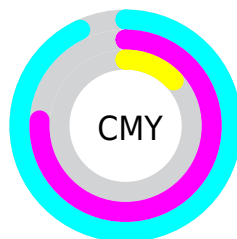
- Red (7%)
- Green (24%)
- Blue (87%)



- Red (7%)
- Yellow (22%)
- Blue (87%)



- Cyan (91%)
- Magenta (72%)
- Yellow (0%)
- Black (13%)



- Cyan (93%)
- Magenta (76%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 133EDF 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 133EDF by changing the saturation by 10% instead.



■ 133EDF

■ 133EDF

FFFFFF

■ 0028C2

■ 6F6EFF

■ 0013A6

■ 9188FF

■ 00038B

■ B1A2FF

■ 000070

■ D0BEFF

■ 000C57

■ F0DAFF

■ 00063E

■ FFF6FF

■ 000328

■ 000111

■ 000000

■ 133EDF

■ 133EDF

■ 002FDF

■ 2950DF

■ 4061DF

■ 5673DF

■ 6C84DF

■ 8396DF

■ 99A8DF

■ AFB9DF

■ C5CBDF

■ DCDCDF

# Harmonies

## Analogous

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



0062F5



133EDF



AA00A4

# Triad

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



133EDF



A12600



006E53

# Complementary

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



133EDF



DFB413

# 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.



006B00



133EDF



675200

# Square

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



133EDF



C7000C



006400



0070A2

# Rectangle

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



133EDF



C90071



006400



006D37



# Sweetspot

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



133EDF



BAC9FF



13DFB3



575F80



000000



808080



# Same Dimension

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



133EDF



0036FF



4D13DF



656770



0025B0



000A30



# Inverse Universe

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



DF133E



FF0036



A5DF13



706567



B00025

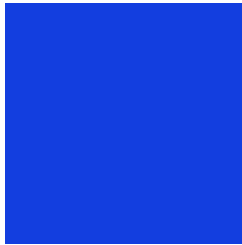


30000A



# Previews

## White Background



This preview shows how the Hex color 133EDF looks on a white background.

## Color Contrast Check

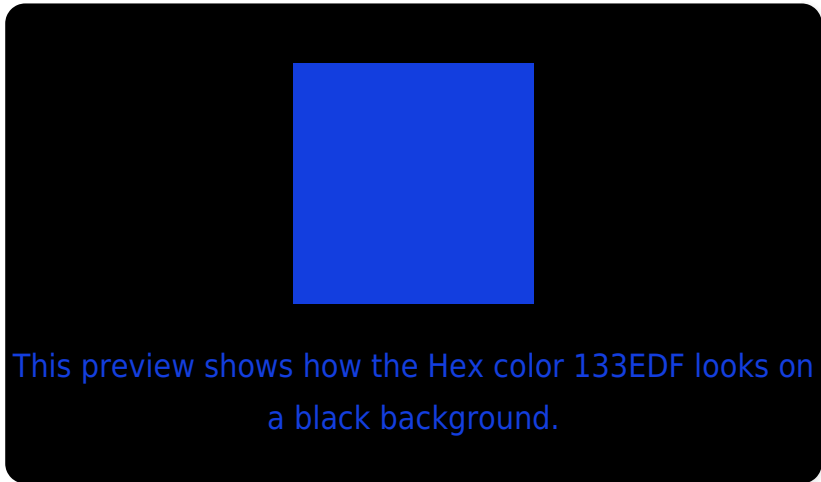
Large Text (above 18pt) WCAG AA ✓ Pass

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

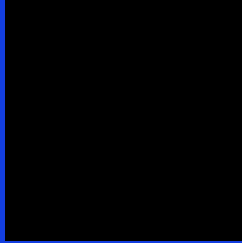
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 133EDF Background



This preview shows how black text looks on a background with the Hex color 133EDF.



This preview shows how white text looks on a background with the Hex color 133EDF.

# 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**  
133EDF

**Protanopia**  
0051AA

**Deuteranopia**  
005691



**Tritanopia**  
005D62

# Trichromacy



**Original Color**  
133EDF

**Protanomaly**  
074ABD

**Deuteranomaly**  
074DAD

**Tritanomaly**  
07528F

# Monochromacy



**Original Color**  
133EDF

**Achromatopsia**  
434343

**Achromatomaly**  
32417C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 133EDF 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 #133EDF looks like.

```
.text, #text, p{  
    color:#133EDF  
}
```

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 #133EDF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #133EDF
}
```

## Border

The CSS property to change the border of an element to Hex 133EDF 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
#133EDF }
```

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

```
.border{ border-color:#133EDF }
```

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

Here you see how a box with a 4 pixel #133EDF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #133EDF; -webkit-box-shadow:4px 4px  
4px 4px #133EDF; box-shadow:4px 4px 4px  
4px #133EDF }
```

# Background

The CSS property to change the background color of an element to Hex 133EDF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#133EDF }
```

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

```
.background{ background-color:#133EDF }
```

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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