

# Converting Colors

Hex(1E3AEA)

Have a look what the booklet for  
Hex(1E3AEA) contains.

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# Color

**Hex(1E3AEA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1E3AEA
RGB	30, 58, 234
RGB Percent	12%, 23%, 92%
CMY	0.8824, 0.7725, 0.0824
CMYK	0.87, 0.75, 0.00, 0.08
HSL	232°, 83%, 52%
HSV	232°, 87%, 92%
XYZ	16.8998, 9.2426, 78.7352
YIQ	69.6920, -73.1840, 48.8000

# Conversions

## Conversions Part 2

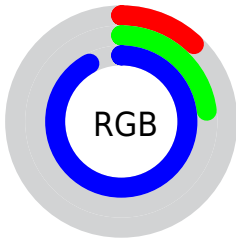
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 55, 234
Decimal	1981162
CIE <sub>Lab</sub>	36.45, 55.09, -89.09
CIE <sub>LCh</sub>	36, 104.746, 301.733
Yxy	9.2426, 0.1611, 0.0881
Android (android.graphics.Color)	4280171242 (0xFF1E3AEA)
YUV	69.6920, 81.0038, -34.8099
Hunter-Lab	30.4017, 46.0219, -132.2697

# Details

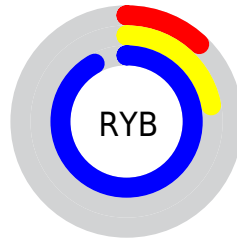
The Hex color **1E3AEA** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **EACE1E**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **766BFF**, and **000CB1** is the 20% darker color. If you saturate the color by 10%, you get **0726EA**, and if you desaturate by 10%, it is **354EEA**.

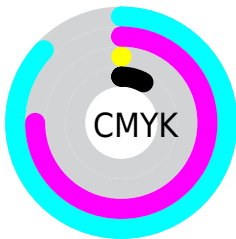
# Distribution



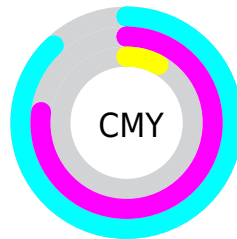
- Red (12%)
- Green (23%)
- Blue (92%)



- Red (12%)
- Yellow (22%)
- Blue (92%)



- Cyan (87%)
- Magenta (75%)
- Yellow (0%)
- Black (8%)



- Cyan (88%)
- Magenta (77%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E3AEA 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 1E3AEA by changing the saturation by 10% instead.



 1E3AEA

 1E3AEA

FFFFFF

 0023CD

 766BFF

 000CB1

 9885FF

 000095


 B89FFF

 00007A

 D8BBFF

 000F60

 F8D7FF

 000847

 FFF3FF

 000430

 00011A

 000000

■ 1E3AEA

■ 1E3AEA

■ 0726EA

■ 354EEA

■ 0020EA

■ 4D62EA

■ 6477EA

■ 7C8BEA

■ 939FEA

■ AAB3EA

■ C2C7EA

■ D9DCEA

■ F1F0EA

# Harmonies

## Analogous

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



0064FF



1E3AEA



B600A8

# Triad

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



1E3AEA



A52600



007159

# Complementary

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



1E3AEA



EACE1E

# 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.



006E00



1E3AEA



655500

# Square

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



1E3AEA



CF0000



006700



0073AE

# Rectangle

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



1E3AEA



D40071



006700



00703B



# Sweetspot

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



1E3AEA



BDC6FF



1EEACB



585D80



000000



808080



# Same Dimension

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



1E3AEA



0023FF



651EEA



6A6B75



0019B5



000736



# Inverse Universe

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



EA1E3A



FF0023



A3EA1E



756A6B



B50019

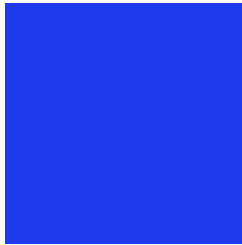


360007



# Previews

## White Background



This preview shows how the Hex color 1E3AEA looks on a white background.

## Color Contrast Check

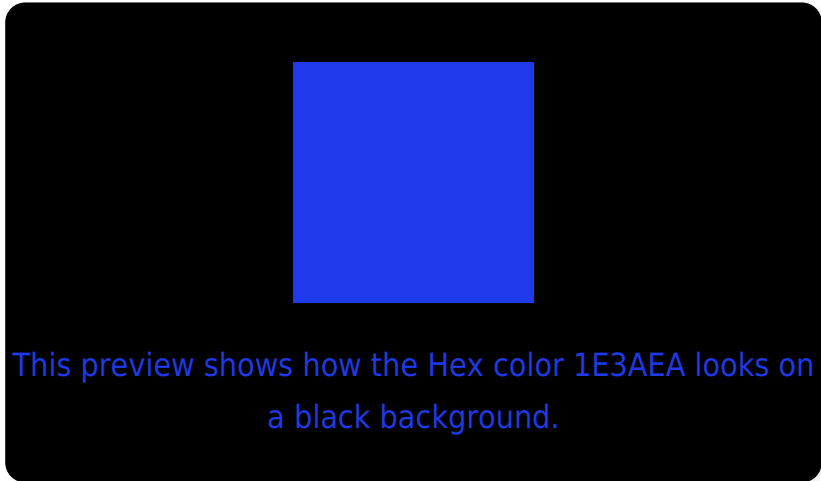
Large Text (above 18pt) WCAG AA ✓ Pass

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

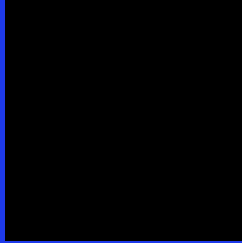
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1E3AEA Background



This preview shows how black text looks on a background with the Hex color 1E3AEA.



This preview shows how white text looks on a background with the Hex color 1E3AEA.

# 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**  
005E63

# Trichromacy



**Original Color**  
1E3AEA

**Protanomaly**  
0B49C3

**Deuteranomaly**  
0B4CB3

**Tritanomaly**  
0B5194

# Monochromacy



**Original Color**  
1E3AEA

**Achromatopsia**  
464646

**Achromatomaly**  
374282

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E3AEA 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 #1E3AEA looks like.

```
.text, #text, p{  
    color:#1E3AEA  
}
```

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 #1E3AEA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E3AEA
}
```

## Border

The CSS property to change the border of an element to Hex 1E3AEA 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
#1E3AEA }
```

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

```
.border{ border-color:#1E3AEA }
```

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

Here you see how a box with a 4 pixel #1E3AEA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E3AEA; -webkit-box-shadow:4px 4px  
4px 4px #1E3AEA; box-shadow:4px 4px 4px  
4px #1E3AEA }
```

# Background

The CSS property to change the background color of an element to Hex 1E3AEA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E3AEA }
```

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

```
.background{ background-color:#1E3AEA }
```

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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