

# Converting Colors

Hex(1E45E0)

Have a look what the booklet for  
Hex(1E45E0) contains.

<b>Hex(1E45E0)</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(1E45E0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1E45E0
RGB	30, 69, 224
RGB Percent	12%, 27%, 88%
CMY	0.8824, 0.7294, 0.1216
CMYK	0.87, 0.69, 0.00, 0.12
HSL	228°, 76%, 50%
HSV	228°, 87%, 88%
XYZ	16.1181, 9.9141, 71.5851
YIQ	75.0090, -72.9990, 39.9370

# Conversions

## Conversions Part 2

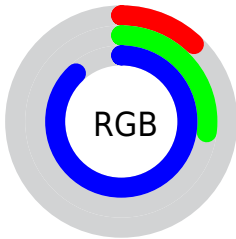
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 62, 224
Decimal	1983968
CIE <sub>Lab</sub>	37.69, 45.34, -81.34
CIE <sub>LCh</sub>	38, 93.126, 299.136
Yxy	9.9141, 0.1651, 0.1016
Android (android.graphics.Color)	4280174048 (0xFF1E45E0)
YUV	75.0090, 73.4526, -39.4729
Hunter-Lab	31.4866, 36.2730, -112.7556

# Details

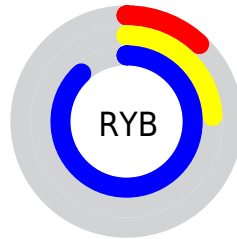
The Hex color **1E45E0** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **E0B91E**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **7376FF**, and **001AA7** is the 20% darker color. If you saturate the color by 10%, you get **0833E0**, and if you desaturate by 10%, it is **3457E0**.

# Distribution



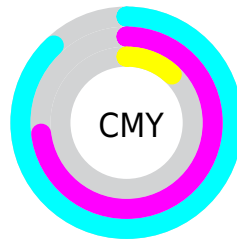
- Red (12%)
- Green (27%)
- Blue (88%)



- Red (12%)
- Yellow (24%)
- Blue (88%)



- Cyan (87%)
- Magenta (69%)
- Yellow (0%)
- Black (12%)



- Cyan (88%)
- Magenta (73%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E45E0 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 1E45E0 by changing the saturation by 10% instead.



■ 1E45E0

■ 1E45E0

FFFFFF

■ 002FC3

■ 7376FF

■ 001AA7

■ 938FFF

■ 00098C

■ B3AFFF

■ 000072

■ D2C5FF

■ 000C58

■ F2E1FF

■ 00073F

FFFEFF

■ 000328

■ 000112

■ 000000

■ 1E45E0

■ 1E45E0

■ 0833E0

■ 3457E0

■ 002DE0

■ 4B69E0

■ 617BE0

■ 788DE0

■ 8E9EE0

■ A4B0E0

■ BBC2E0

■ D1D4E0

■ E8E6E0

# Harmonies

## Analogous

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



0066F4



1E45E0



AA00A8

# Triad

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



1E45E0



A62C00



007355

# Complementary

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



1E45E0



E0B91E

# 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.



007000



1E45E0



6F5600

# Square

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



1E45E0



CB0016



136800



0074A1

# Rectangle

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



1E45E0



C90077



136800



00723A



# Sweetspot

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



1E45E0



BDCAFF



1EE0B6



586080



000000



808080



# Same Dimension

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



1E45E0



0033FF



551EE0



656770



0023B0



000A30



# Inverse Universe

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



E01E45



FF0033



A9E01E



706567



B00023

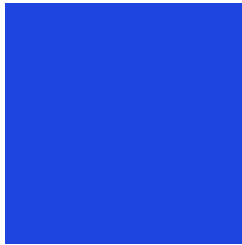


30000A



# Previews

## White Background



This preview shows how the Hex color 1E45E0 looks on a white background.

## Color Contrast Check

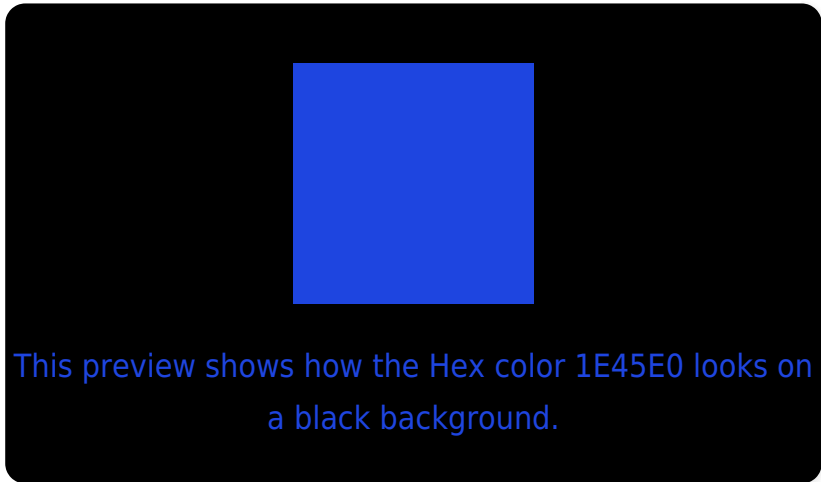
Large Text (above 18pt) WCAG AA ✓ Pass

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

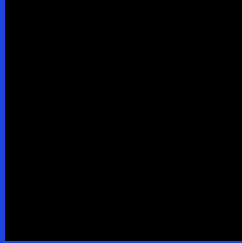
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1E45E0 Background



This preview shows how black text looks on a background with the Hex color 1E45E0.



This preview shows how white text looks on a background with the Hex color 1E45E0.

# 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**  
1E45E0

**Protanomaly**  
0B4FC3

**Deuteranomaly**  
0B53B3

**Tritanomaly**  
0B5793

# Monochromacy



**Original Color**  
1E45E0

**Achromatopsia**  
4B4B4B

**Achromatomaly**  
3B4981

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E45E0 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 #1E45E0 looks like.

```
.text, #text, p{  
    color:#1E45E0  
}
```

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 #1E45E0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E45E0
}
```

## Border

The CSS property to change the border of an element to Hex 1E45E0 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
#1E45E0 }
```

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

```
.border{ border-color:#1E45E0 }
```

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

Here you see how a box with a 4 pixel #1E45E0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E45E0; -webkit-box-shadow:4px 4px  
4px 4px #1E45E0; box-shadow:4px 4px 4px  
4px #1E45E0 }
```

# Background

The CSS property to change the background color of an element to Hex 1E45E0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E45E0 }
```

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

```
.background{ background-color:#1E45E0 }
```

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