

# Converting Colors

Hex(2E1BE4)

Have a look what the booklet for  
Hex(2E1BE4) contains.

<b>Hex(2E1BE4)</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(2E1BE4)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E1BE4
RGB	46, 27, 228
RGB Percent	18%, 11%, 89%
CMY	0.8196, 0.8941, 0.1059
CMYK	0.80, 0.88, 0.00, 0.11
HSL	246°, 79%, 50%
HSV	246°, 88%, 89%
XYZ	15.5222, 6.9661, 73.9253
YIQ	55.5950, -53.1970, 66.5390

# Conversions

## Conversions Part 2

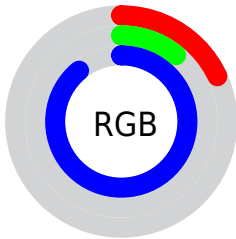
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	46, 27, 228
Decimal	3021796
CIE Lab	31.73, 67.57, -93.49
CIE LCh	32, 115.351, 305.858
Yxy	6.9661, 0.1610, 0.0723
Android (android.graphics.Color)	4281211876 (0xFF2E1BE4)
YUV	55.5950, 84.9957, -8.4148
Hunter-Lab	26.3935, 58.7890, -147.5896

# Details

The Hex color **2E1BE4** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **D1E41B**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **7E52FF**, and **0000AB** is the 20% darker color. If you saturate the color by 10%, you get **1904E4**, and if you desaturate by 10%, it is **4332E4**.

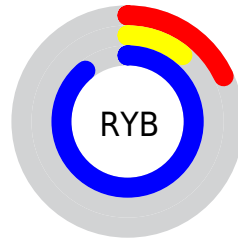
# Distribution



Red (18%)

Green (11%)

Blue (89%)



Red (18%)

Yellow (11%)

Blue (89%)

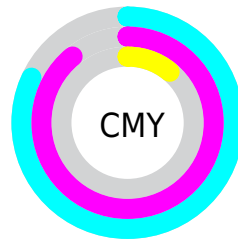


Cyan (80%)

Magenta (88%)

Yellow (0%)

Black (11%)



Cyan (82%)

Magenta (89%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E1BE4 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 2E1BE4 by changing the saturation by 10% instead.



 2E1BE4

 2E1BE4

FFFFFF

 0000C7

 7E52FF

 0000AB

 9F6CFF

 00008F

 BF87FF

 000074

 DFA2FF

 000D5A

 FFBEFF

 000742

 FFDBFF

 00032B

 FFF8FF

 000115

 000000

■ 2E1BE4

■ 2E1BE4

■ 1904E4

■ 4332E4

■ 1600E4

■ 5749E4

■ 6C5FE4

■ 8176E4

■ 958DE4

■ AAA4E4

■ BFBBE4

■ D3D1E4

■ E8E8E4

# Harmonies

## Analogous

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



0058FF



2E1BE4



B90097

# Triad

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



2E1BE4



931C00



00655C

# Complementary

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



2E1BE4



D1E41B

# 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.



006200



2E1BE4



4C4E00

# Square

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



2E1BE4



C40000



005E00



0068B6

# Rectangle

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



2E1BE4



D4005C



005E00



00643B



# Sweetspot

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



2E1BE4



C3BDFE



1BD3E4



5C5880



000000



808080



# Same Dimension

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



2E1BE4



1800FF



901BE4



686773



1100B3



050033



# Inverse Universe

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



E41BD1



FF00E7



6FE41B



736772



B300A2

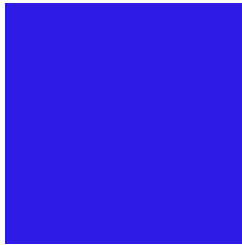


33002E



# Previews

## White Background



This preview shows how the Hex color 2E1BE4 looks on a white background.

## Color Contrast Check

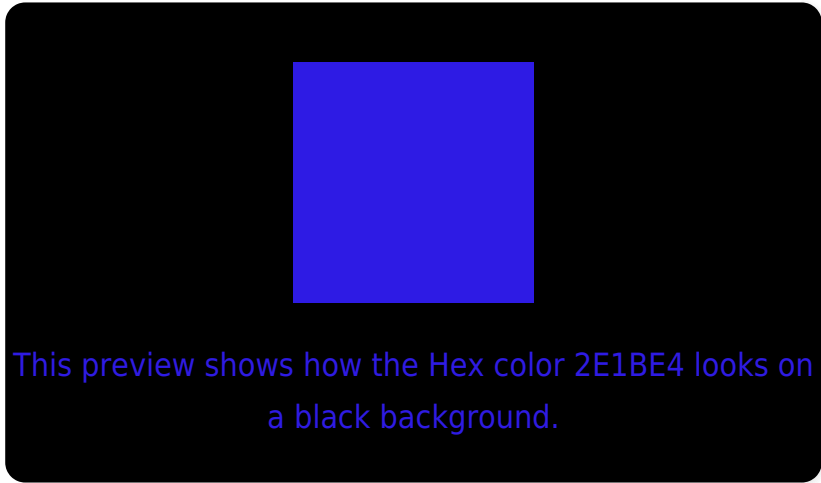
Large Text (above 18pt) WCAG AA ✓ Pass

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

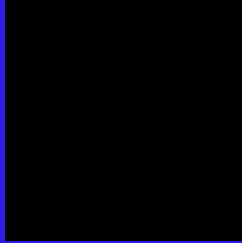
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E1BE4 Background



This preview shows how black text looks on a background with the Hex color 2E1BE4.



This preview shows how white text looks on a background with the Hex color 2E1BE4.

# 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**  
2E1BE4

**Protanopia**  
004897

**Deuteranopia**  
004D80



# Trichromacy



**Original Color**  
2E1BE4

**Protanomaly**  
1138B3

**Deuteranomaly**  
113BA4

**Tritanomaly**  
113F8A

# Monochromacy



**Original Color**  
2E1BE4

**Achromatopsia**  
383838

**Achromatomaly**  
342D77

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E1BE4 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 #2E1BE4 looks like.

```
.text, #text, p{  
    color:#2E1BE4  
}
```

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 #2E1BE4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E1BE4
}
```

## Border

The CSS property to change the border of an element to Hex 2E1BE4 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
#2E1BE4 }
```

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

```
.border{ border-color:#2E1BE4 }
```

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

Here you see how a box with a 4 pixel #2E1BE4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E1BE4; -webkit-box-shadow:4px 4px  
4px 4px #2E1BE4; box-shadow:4px 4px 4px  
4px #2E1BE4 }
```

# Background

The CSS property to change the background color of an element to Hex 2E1BE4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E1BE4 }
```

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

```
.background{ background-color:#2E1BE4 }
```

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