

# Converting Colors

Hex(231AE2)

Have a look what the booklet for  
Hex(231AE2) contains.

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# Color

Hex(231AE2)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	231AE2
RGB	35, 26, 226
RGB Percent	14%, 10%, 89%
CMY	0.8627, 0.8980, 0.1137
CMYK	0.85, 0.88, 0.00, 0.11
HSL	243°, 79%, 49%
HSV	243°, 88%, 89%
XYZ	14.7900, 6.5871, 72.4434
YIQ	51.4910, -58.8360, 64.1080

# Conversions

## Conversions Part 2

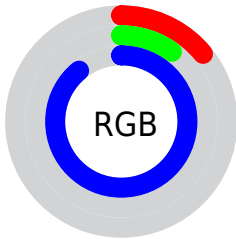
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	35, 26, 226
Decimal	2300642
CIE Lab	30.85, 67.00, -93.83
CIE LCh	31, 115.296, 305.531
Yxy	6.5871, 0.1576, 0.0702
Android (android.graphics.Color)	4280490722 (0xFF231AE2)
YUV	51.4910, 86.0329, -14.4626
Hunter-Lab	25.6653, 57.9486, -149.3872

# Details

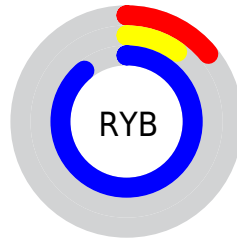
The Hex color **231AE2** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **D9E21A**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **7850FF**, and **0000A9** is the 20% darker color. If you saturate the color by 10%, you get **0D03E2**, and if you desaturate by 10%, it is **3931E2**.

# Distribution



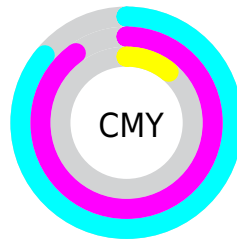
- Red (14%)
- Green (10%)
- Blue (89%)



- Red (14%)
- Yellow (10%)
- Blue (89%)



- Cyan (85%)
- Magenta (88%)
- Yellow (0%)
- Black (11%)



















- Cyan (86%)
- Magenta (90%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 231AE2 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 231AE2 by changing the saturation by 10% instead.



 231AE2	 231AE2
 FFFFFFFF	 0000C5
 7850FF	 0000A9
 9A6AFF	 00008D
 BA85FF	 000073
 DAA1FF	 000D59
 FABCFF	 000740
 FFD9FF	 000329
 FFF6FF	 000113
	 000000

■ 231AE2

■ 231AE2

■ 0D03E2

■ 3931E2

■ 0A00E2

■ 4E47E2

■ 645EE2

■ 7974E2

■ 8F8BE2

■ A4A2E2

■ BAB8E2

■ D0CFE2

■ E5E5E2

# Harmonies

## Analogous

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



0057FF



231AE2



B60096

# Triad

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



231AE2



911800



006358

# Complementary

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



231AE2



D9E21A

# 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.



006000



231AE2



4B4C00

# Square

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



231AE2



C10000



005B00



0066B3

# Rectangle

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



231AE2



D0005B



005B00



006238



# Sweetspot

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



231AE2



BDBAFF



1ADBE2



595780



000000



808080



# Same Dimension

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



231AE2



0B00FF



851AE2



656570



0800B0



020030



# Inverse Universe

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



E21AD9



FF00F4



77E21A



706570



B000A8

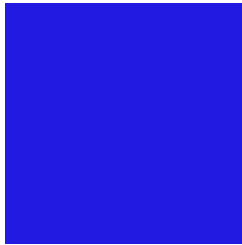


30002E



# Previews

## White Background



This preview shows how the Hex color 231AE2 looks on a white background.

## Color Contrast Check

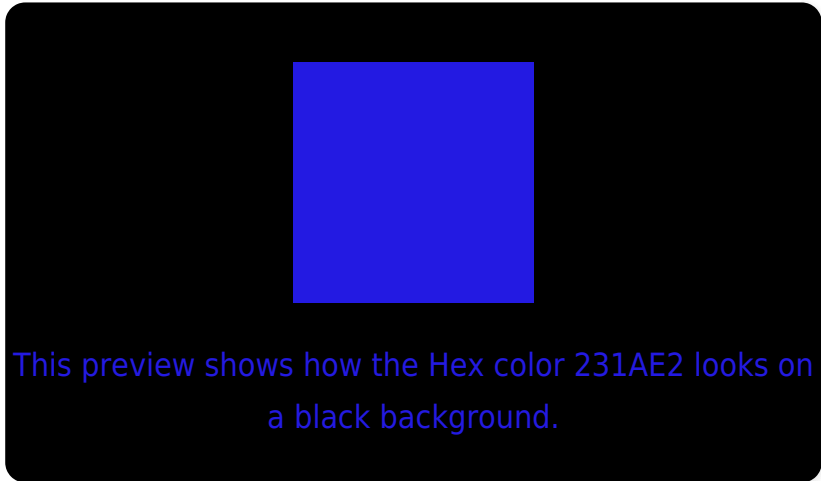
Large Text (above 18pt) WCAG AA ✓ Pass

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 231AE2 Background



This preview shows how black text looks on a background with the Hex color 231AE2.



This preview shows how white text looks on a background with the Hex color 231AE2.

# 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**  
231AE2

**Protanomaly**  
0D36B0

**Deuteranomaly**  
0D39A1

# Monochromacy



**Original Color**  
231AE2

**Achromatopsia**  
333333

**Achromatomaly**  
2D2A73

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 231AE2 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 #231AE2 looks like.

```
.text, #text, p{  
    color:#231AE2  
}
```

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 #231AE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231AE2
}
```

## Border

The CSS property to change the border of an element to Hex 231AE2 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
#231AE2 }
```

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

```
.border{ border-color:#231AE2 }
```

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

Here you see how a box with a 4 pixel #231AE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231AE2; -webkit-box-shadow:4px 4px  
4px 4px #231AE2; box-shadow:4px 4px 4px  
4px #231AE2 }
```

# Background

The CSS property to change the background color of an element to Hex 231AE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231AE2 }
```

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

```
.background{ background-color:#231AE2 }
```

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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