

# Converting Colors

Hex(251EAE)

Have a look what the booklet for  
Hex(251EAE) contains.

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# Color

**Hex(251EAE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	251EAE
RGB	37, 30, 174
RGB Percent	15%, 12%, 68%
CMY	0.8549, 0.8824, 0.3176
CMYK	0.79, 0.83, 0.00, 0.32
HSL	243°, 71%, 40%
HSV	243°, 83%, 68%
XYZ	8.8672, 4.3779, 40.4221
YIQ	48.5090, -42.0520, 46.2680

# Conversions

## Conversions Part 2

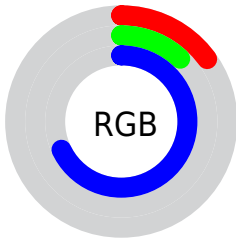
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	37, 30, 174
Decimal	2432686
CIE Lab	24.88, 50.55, -73.25
CIE LCh	25, 89.002, 304.608
Yxy	4.3779, 0.1652, 0.0816
Android (android.graphics.Color)	4280622766 (0xFF251EAE)
YUV	48.5090, 61.8671, -10.0934
Hunter-Lab	20.9233, 39.0316, -99.8969

# Details

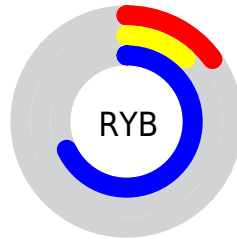
The Hex color **251EAE** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **A7AE1E**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **6C4FE7**, and **000078** is the 20% darker color. If you saturate the color by 10%, you get **140DAE**, and if you desaturate by 10%, it is **362FAE**.

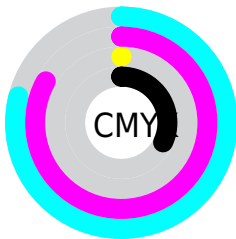
# Distribution



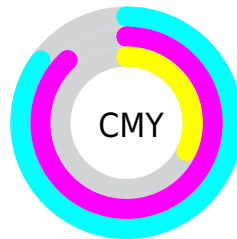
- Red (15%)
- Green (12%)
- Blue (68%)



- Red (15%)
- Yellow (12%)
- Blue (68%)



- Cyan (79%)
- Magenta (83%)
- Yellow (0%)
- Black (32%)



- Cyan (85%)
- Magenta (88%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 251EAE 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 251EAE by changing the saturation by 10% instead.



■ 251EAE

■ 251EAE

FFFFFF

■ 000493

■ 6C4FE7

■ 000078

■ 8A68FF

■ 00005E

■ A882FF

■ 000845

■ C69CFF

■ 00042E

■ E5B8FF

■ 000118

■ FFD4FF

■ 000000

■ FFF0FF

■ 251EAE

■ 251EAE

■ 140DAE

■ 362FAE

■ 0800AE

■ 4641AE

■ 5752AE

■ 6764AE

■ 7875AE

■ 8886AE

■ 9998AE

■ A9A9AE

■ BABBAE

# Harmonies

## Analogous

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



0045C7



251EAE



8C0076

# Triad

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



251EAE



741900



005044

# Complementary

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



251EAE



A7AE1E

# 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.



004E00



251EAE



403D00

# Square

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



251EAE



980000



004900



005288

# Rectangle

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



251EAE



A1004B



004900



004F2D



# Sweetspot

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



251EAE



ADAAE3



1EA9AE



525073



F2F2F2



737373



# Same Dimension

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



251EAE



0D02E3



6B1EAE



4E4E57



070096



010017



# Inverse Universe

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



AE1EA7



E302D8



61AE1E



574E56



96008F

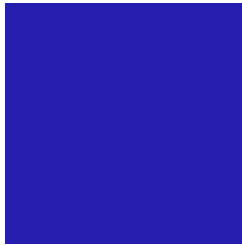


170016



# Previews

## White Background



This preview shows how the Hex color 251EAE looks on a white background.

## Color Contrast Check

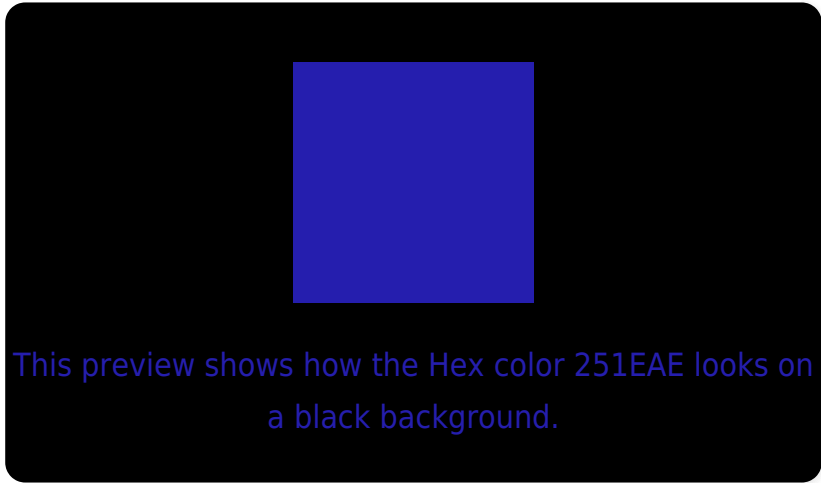
Large Text (above 18pt) WCAG AA ✓ Pass

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

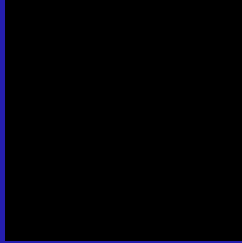
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 251EAE Background



This preview shows how black text looks on a background with the Hex color 251EAE.

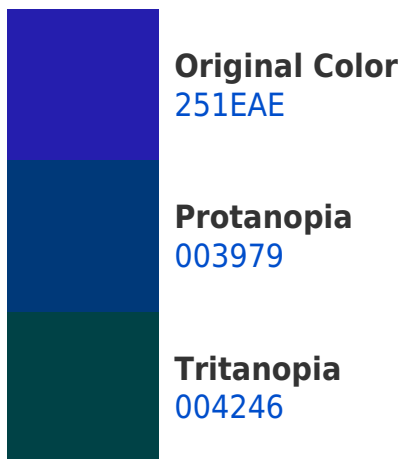


This preview shows how white text looks on a background with the Hex color 251EAE.

# 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**  
251EAE

**Protanomaly**  
0D2F8C

**Tritanomaly**  
0D356C

# Monochromacy



**Original Color**  
251EAE

**Achromatopsia**  
313131

**Achromatomaly**  
2D2A5E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 251EAE 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 #251EAE looks like.

```
.text, #text, p{  
    color:#251EAE  
}
```

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 #251EAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #251EAE
}
```

## Border

The CSS property to change the border of an element to Hex 251EAE is called "border". The border property can be set on classes, ids or directly on the HTML element.

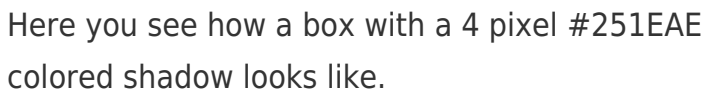
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#251EAE }
```

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

```
.border{ border-color:#251EAE }
```

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



Here you see how a box with a 4 pixel #251EAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #251EAE; -webkit-box-shadow:4px 4px  
4px 4px #251EAE; box-shadow:4px 4px 4px  
4px #251EAE }
```

# Background

The CSS property to change the background color of an element to Hex 251EAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#251EAE }
```

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

```
.background{ background-color:#251EAE }
```

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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