

# Converting Colors

Hex(4E13B0)

Have a look what the booklet for  
Hex(4E13B0) contains.

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# Color

**Hex(4E13B0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4E13B0
RGB	78, 19, 176
RGB Percent	31%, 7%, 69%
CMY	0.6941, 0.9255, 0.3098
CMYK	0.56, 0.89, 0.00, 0.31
HSL	263°, 81%, 38%
HSV	263°, 89%, 69%
XYZ	11.2112, 5.2200, 41.4910
YIQ	54.5390, -15.2330, 61.3350

# Conversions

## Conversions Part 2

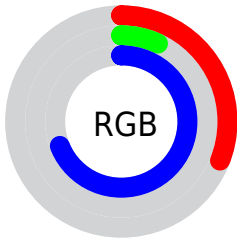
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	78, 19, 176
Decimal	5116848
CIE Lab	27.35, 58.35, -70.25
CIE LCh	27, 91.322, 309.711
Yxy	5.2200, 0.1936, 0.0901
Android (android.graphics.Color)	4283306928 (0xFF4E13B0)
YUV	54.5390, 59.8803, 20.5753
Hunter-Lab	22.8474, 47.6071, -91.6777

# Details

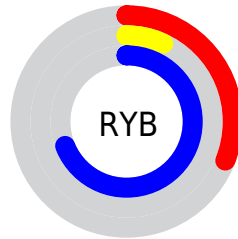
The Hex color **4E13B0** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **75B013**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **8A4BE9**, and **00007A** is the 20% darker color. If you saturate the color by 10%, you get **4301B0**, and if you desaturate by 10%, it is **5925B0**.

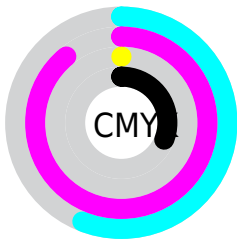
# Distribution



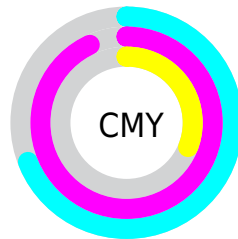
- Red (31%)
- Green (7%)
- Blue (69%)



- Red (31%)
- Yellow (7%)
- Blue (69%)



- Cyan (56%)
- Magenta (89%)
- Yellow (0%)
- Black (31%)



- Cyan (69%)
- Magenta (93%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4E13B0 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 4E13B0 by changing the saturation by 10% instead.



 4E13B0

 4E13B0

FFFFFF

 2C0095

 8A4BE9

 00007A

 A865FF

 000060

 C580FF

 000547

 E39BFF

 000430

 FFB7FF

 00011A

 FFD3FF

 000000

 FFF0FF

 4E13B0

 4E13B0

■ 4301B0

■ 5925B0

■ 4200B0

■ 6436B0

■ 6F48B0

■ 7A59B0

■ 856BB0

■ 907DB0

■ 9B8EB0

■ A6A0B0

■ B1B1B0

# Harmonies

## Analogous

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



0047D1



4E13B0



9D0073

# Triad

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



4E13B0



752800



005757

# Complementary

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



4E13B0



75B013

# 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.



005504



4E13B0



3B4600

# Square

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



4E13B0



9D0000



005100



00599B

# Rectangle

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



4E13B0



AE0045



005100



00563E



# Sweetspot

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



4E13B0



BFA8E6



1376B0



5C4E73



F2F2F2



737373



# Same Dimension

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



4E13B0



5600E6



9B13B0



545059



390099



0A001A



# Inverse Universe

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



B01375



E6008F



28B013



595056



990060

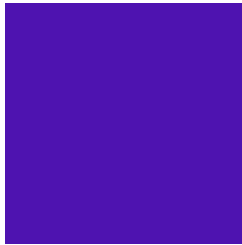


1A0010



# Previews

## White Background



This preview shows how the Hex color 4E13B0 looks on a white background.

## Color Contrast Check

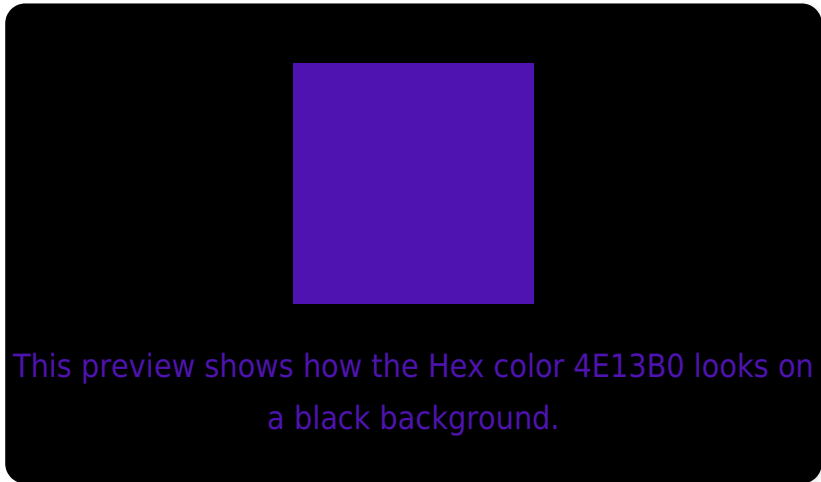
Large Text (above 18pt) WCAG AA ✓ Pass

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

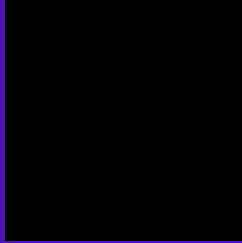
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4E13B0 Background



This preview shows how black text looks on a background with the Hex color 4E13B0.



This preview shows how white text looks on a background with the Hex color 4E13B0.

# 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](#).

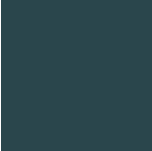
## Dichromacy



**Original Color**  
4E13B0

**Protanopia**  
003F85

**Deuteranopia**  
004472



**Tritanopia**  
2A464C

# Trichromacy



**Original Color**  
4E13B0

**Protanomaly**  
1C2F95

**Deuteranomaly**  
1C3289

**Tritanomaly**  
373370

# Monochromacy



**Original Color**  
4E13B0

**Achromatopsia**  
373737

**Achromatomaly**  
3F2A63

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4E13B0 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 #4E13B0 looks like.

```
.text, #text, p{  
    color:#4E13B0  
}
```

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 #4E13B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4E13B0
}
```

## Border

The CSS property to change the border of an element to Hex 4E13B0 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
#4E13B0 }
```

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

```
.border{ border-color:#4E13B0 }
```

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

Here you see how a box with a 4 pixel #4E13B0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4E13B0; -webkit-box-shadow:4px 4px  
4px 4px #4E13B0; box-shadow:4px 4px 4px  
4px #4E13B0 }
```

# Background

The CSS property to change the background color of an element to Hex 4E13B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4E13B0 }
```

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

```
.background{ background-color:#4E13B0 }
```

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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