

# Converting Colors

Hex(413EDB)

Have a look what the booklet for  
Hex(413EDB) contains.

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# Color

**Hex(413EDB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	413EDB
RGB	65, 62, 219
RGB Percent	25%, 24%, 86%
CMY	0.7451, 0.7569, 0.1412
CMYK	0.70, 0.72, 0.00, 0.14
HSL	241°, 69%, 55%
HSV	241°, 72%, 86%
XYZ	16.6888, 9.6835, 68.0073
YIQ	80.7950, -48.6090, 49.4630

# Conversions

## Conversions Part 2

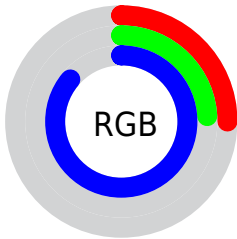
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	65, 62, 219
Decimal	4275931
CIE Lab	37.27, 50.38, -79.12
CIE LCh	37, 93.796, 302.487
Yxy	9.6835, 0.1768, 0.1026
Android (android.graphics.Color)	4282466011 (0xFF413EDB)
YUV	80.7950, 68.1351, -13.8522
Hunter-Lab	31.1184, 41.2723, -107.7918

# Details

The Hex color **413EDB** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **D8DB3E**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **856FFF**, and **0010A3** is the 20% darker color. If you saturate the color by 10%, you get **2C28DB**, and if you desaturate by 10%, it is **5654DB**.

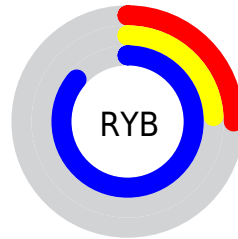
# Distribution



Red (25%)

Green (24%)

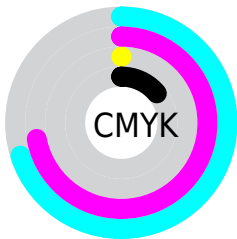
Blue (86%)



Red (25%)

Yellow (24%)

Blue (86%)

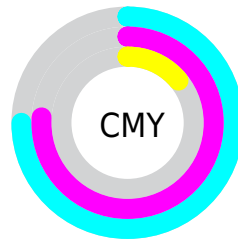


Cyan (70%)

Magenta (72%)

Yellow (0%)

Black (14%)



Cyan (75%)

Magenta (76%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 413EDB 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 413EDB by changing the saturation by 10% instead.



 413EDB

 413EDB

FFFFFF

 0427BE

 856FFF

 0010A3

 A489FF

 000087

 C3A4FF

 00006D

 E2BFFF

 000B54

 FFDBFF

 00063B

 FFF8FF

 000225

 00010D

 000000

■ 413EDB

■ 413EDB

■ 2C28DB

■ 5654DB

■ 1612DB

■ 6C6ADB

■ 0400DB

■ 8180DB

■ 9796DB

■ ACACDB

■ C2C1DB

■ D7D7DB

■ EDEDDB

■ FFFFDB

# Harmonies

## Analogous

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



0063F4



413EDB



B1009F

# Triad

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



413EDB



A03200



00725C

# Complementary

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



413EDB



D8DB3E

# 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.



006F00



413EDB



665800

# Square

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



413EDB



C7000A



006800



0073A9

# Rectangle

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



413EDB



CC006E



006800



007142



# Sweetspot

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



413EDB



C8C7FF



3ED8DB



5F5E80



000000



808080



# Same Dimension

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



413EDB



2824FF



8F3EDB



63636E



0300AD



01002E



# Inverse Universe

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



DB3ED8



FF24FB



8ADB3E



6E636D



AD00AA

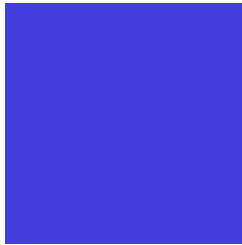


2E002D



# Previews

## White Background



This preview shows how the Hex color 413EDB looks on a white background.

## Color Contrast Check

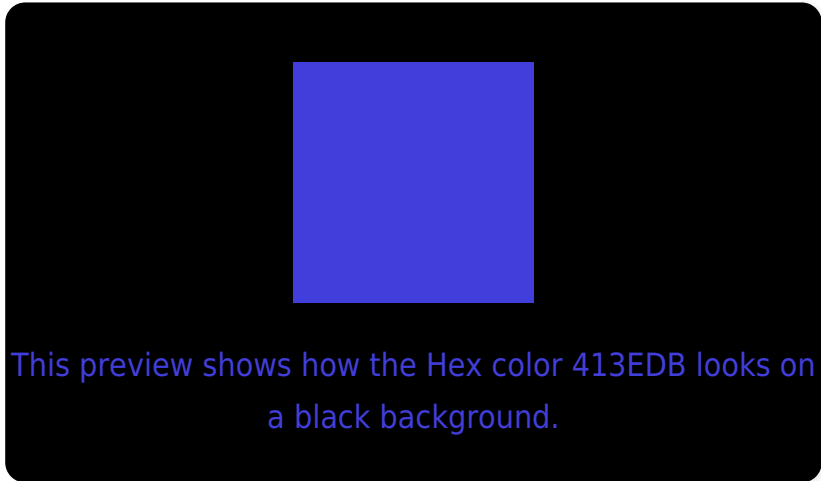
Large Text (above 18pt) WCAG AA ✓ Pass

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

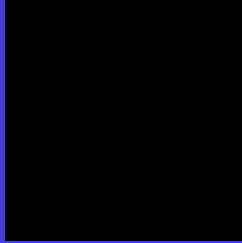
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 413EDB Background



This preview shows how black text looks on a background with the Hex color 413EDB.



This preview shows how white text looks on a background with the Hex color 413EDB.

# 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



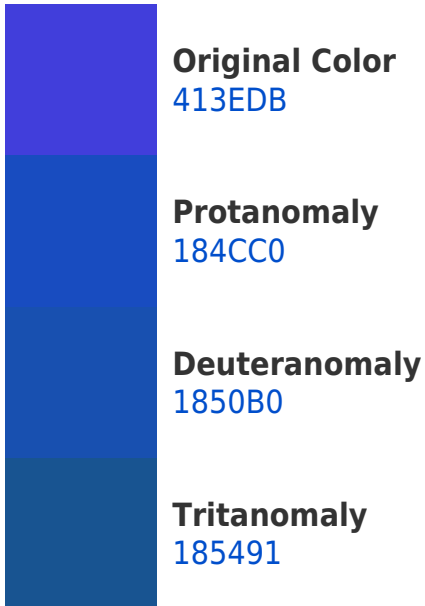
**Original Color**  
413EDB

**Protanopia**  
0054B1

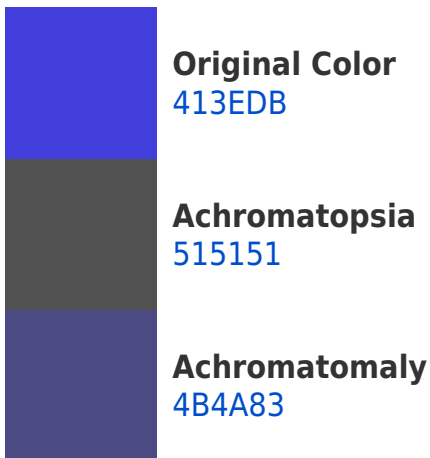
**Deuteranopia**  
005A97



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 413EDB 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 #413EDB looks like.

```
.text, #text, p{  
    color:#413EDB  
}
```

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 #413EDB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #413EDB
}
```

## Border

The CSS property to change the border of an element to Hex 413EDB is called "border". The border property can be set on classes, ids or directly on the HTML element.

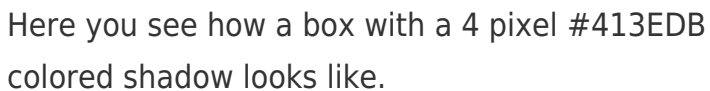
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#413EDB }
```

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

```
.border{ border-color:#413EDB }
```

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



Here you see how a box with a 4 pixel #413EDB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #413EDB; -webkit-box-shadow:4px 4px  
4px 4px #413EDB; box-shadow:4px 4px 4px  
4px #413EDB }
```

# Background

The CSS property to change the background color of an element to Hex 413EDB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#413EDB }
```

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

```
.background{ background-color:#413EDB }
```

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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