

# Converting Colors

Hex(433BC5)

Have a look what the booklet for  
Hex(433BC5) contains.

<b>Hex(433BC5)</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(433BC5)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	433BC5
RGB	67, 59, 197
RGB Percent	26%, 23%, 77%
CMY	0.7373, 0.7686, 0.2275
CMYK	0.66, 0.70, 0.00, 0.23
HSL	243°, 54%, 50%
HSV	243°, 70%, 77%
XYZ	13.9567, 8.3524, 53.6999
YIQ	77.1240, -39.5300, 44.6140

# Conversions

## Conversions Part 2

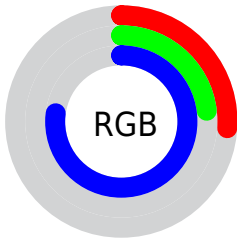
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	67, 59, 197
Decimal	4406213
CIE Lab	34.71, 45.22, -70.59
CIE LCh	35, 83.835, 302.646
Yxy	8.3524, 0.1836, 0.1099
Android (android.graphics.Color)	4282596293 (0xFF433BC5)
YUV	77.1240, 59.0989, -8.8787
Hunter-Lab	28.9006, 35.6257, -89.9358

# Details

The Hex color **433BC5** 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 **BDC53B**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **826CFF**, and **000D8E** is the 20% darker color. If you saturate the color by 10%, you get **3027C5**, and if you desaturate by 10%, it is **564FC5**.

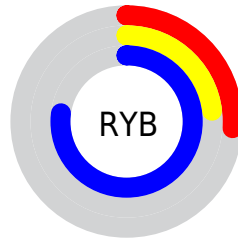
# Distribution



Red (26%)

Green (23%)

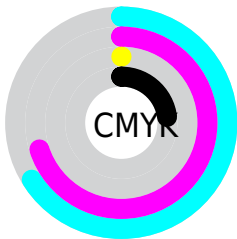
Blue (77%)



Red (26%)

Yellow (23%)

Blue (77%)

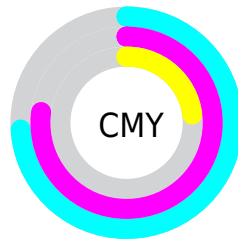


Cyan (66%)

Magenta (70%)

Yellow (0%)

Black (23%)



Cyan (74%)

Magenta (77%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 433BC5 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 433BC5 by changing the saturation by 10% instead.



■ 433BC5

■ 433BC5

FFFFFF

■ 1824A9

■ 826CFF

■ 000D8E

■ A085FF

■ 000073

■ BEA0FF

■ 00005A

■ DCBBFF

■ 000741

■ FBD7FF

■ 00032A

■ FFF4FF

■ 000114

■ 000000

■ 433BC5

■ 433BC5

■ 3027C5

■ 564FC5

■ 1E14C5

■ 6862C5

■ 0B00C5

■ 7B76C5

■ 8D8AC5

■ A09EC5

■ B2B1C5

■ C5C5C5

■ D7D9C5

■ EAECC5

# Harmonies

## Analogous

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



005BDB



433BC5



A10091

# Triad

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



433BC5



933200



006A56

# Complementary

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



433BC5



BDC53B

# 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.



006703



433BC5



5F5200

# Square

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



433BC5



B5000D



006100



006B99

# Rectangle

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



433BC5



B90065



006100



00693E



# Sweetspot

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



433BC5



CDC9FF



3BBEC5



616080



000000



808080



# Same Dimension

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



433BC5



3529FF



873BC5



5A5A63



0900A3



020024



# Inverse Universe

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



C53BBD



FF29F3



79C53B



635A63



A3009A

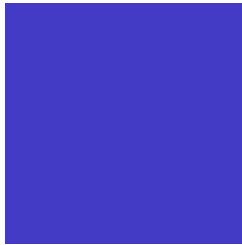


240022



# Previews

## White Background



This preview shows how the Hex color 433BC5 looks on a white background.

## Color Contrast Check

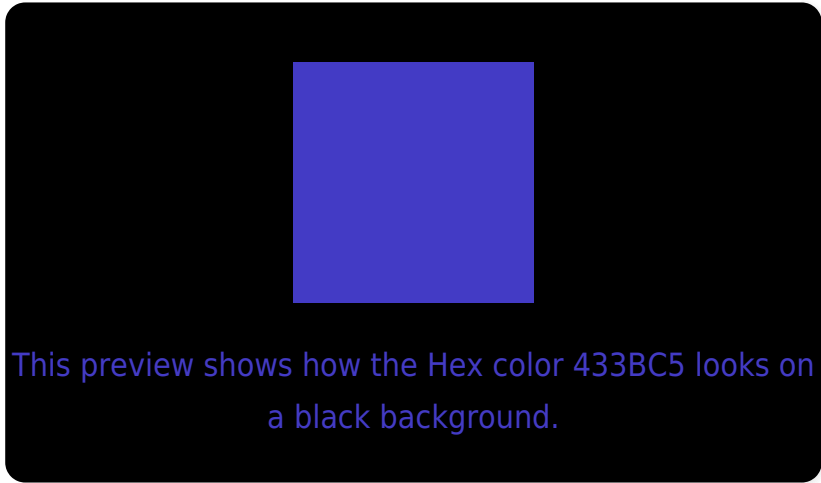
Large Text (above 18pt) WCAG AA ✓ Pass

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

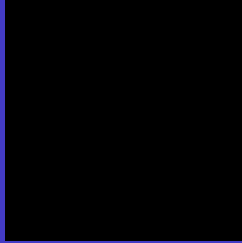
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 433BC5 Background



This preview shows how black text looks on a background with the Hex color 433BC5.



This preview shows how white text looks on a background with the Hex color 433BC5.

# 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**  
433BC5

**Protanopia**  
004EA5

**Deuteranopia**  
00548E



**Tritanopia**  
005A61

# Trichromacy



**Original Color**  
433BC5

**Protanomaly**  
1847B1

**Deuteranomaly**  
184BA2

**Tritanomaly**  
184F85

# Monochromacy



**Original Color**  
433BC5

**Achromatopsia**  
4D4D4D

**Achromatomaly**  
494679

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 433BC5 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 #433BC5 looks like.

```
.text, #text, p{  
    color:#433BC5  
}
```

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 #433BC5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #433BC5
}
```

## Border

The CSS property to change the border of an element to Hex 433BC5 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
#433BC5 }
```

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

```
.border{ border-color:#433BC5 }
```

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

Here you see how a box with a 4 pixel #433BC5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #433BC5; -webkit-box-shadow:4px 4px  
4px 4px #433BC5; box-shadow:4px 4px 4px  
4px #433BC5 }
```

# Background

The CSS property to change the background color of an element to Hex 433BC5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#433BC5 }
```

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

```
.background{ background-color:#433BC5 }
```

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