

# Converting Colors

Hex(432AFF)

Have a look what the booklet for  
Hex(432AFF) contains.

<b>Hex(432AFF)</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(432AFF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	432AFF
RGB	67, 42, 255
RGB Percent	26%, 16%, 100%
CMY	0.7373, 0.8353, 0.0000
CMYK	0.74, 0.84, 0.00, 0.00
HSL	247°, 100%, 58%
HSV	247°, 84%, 100%
XYZ	21.1927, 10.0692, 95.4343
YIQ	73.7570, -53.4730, 71.5430

# Conversions

## Conversions Part 2

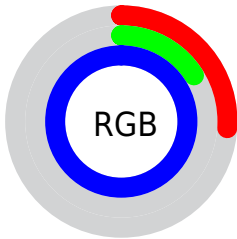
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	67, 42, 255
Decimal	4401919
CIE Lab	37.97, 70.58, -98.36
CIE LCh	38, 121.059, 305.663
Yxy	10.0692, 0.1673, 0.0795
Android (android.graphics.Color)	4282591999 (0xFF432AFF)
YUV	73.7570, 89.3528, -5.9259
Hunter-Lab	31.7320, 63.6828, -156.1027

# Details

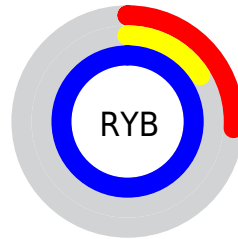
The Hex color **432AFF** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **E6FF2A**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **8F60FF**, and **0000C4** is the 20% darker color. If you saturate the color by 10%, you get **2C10FF**, and if you desaturate by 10%, it is **5A43FF**.

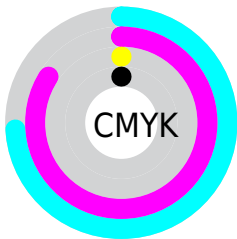
# Distribution



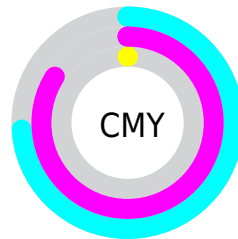
- Red (26%)
- Green (16%)
- Blue (100%)



- Red (26%)
- Yellow (16%)
- Blue (100%)



- Cyan (74%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)



- Cyan (74%)
- Magenta (84%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 432AFF 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 432AFF by changing the saturation by 10% instead.



 432AFF

 432AFF

FFFFFF

 0008E1

 8F60FF

 0000C4

 B07BFF

 0000A8

 D196FF

 00008D

 F1B2FF

 000772

 FFCEFF

 000C58

 FFE8FF

 000740

 000329

 000113

 432AFF

 432AFF

 2C10FF

 5A43FF

 1E00FF

 705DFF

 8777FF

 9D90FF

 B4AAFF

 CAC3FF

 E1DDFF

 F7F6FF

FFFFFF

# Harmonies

## Analogous

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



0067FF



432AFF



D100AD

# Triad

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



432AFF



AA2A00



00776B

# Complementary

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



432AFF



E6FF2A

# 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.



007400



432AFF



5D5D00

# Square

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



432AFF



DF0000



006F00



007ACD

# Rectangle

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



432AFF



EF006D



006F00



007648



# Sweetspot

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



432AFF



C7BFFF



2AE6FF



5E5980



000000



808080



# Same Dimension

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



432AFF



1E00FF



AD2AFF



747380



1600BF



070040



# Inverse Universe

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



FF2AE6



FF00E1



7CFF2A



80737E



BF00A9

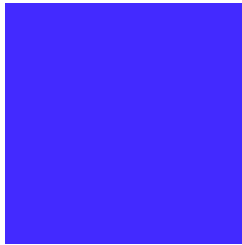


400038



# Previews

## White Background



This preview shows how the Hex color 432AFF looks on a white background.

## Color Contrast Check

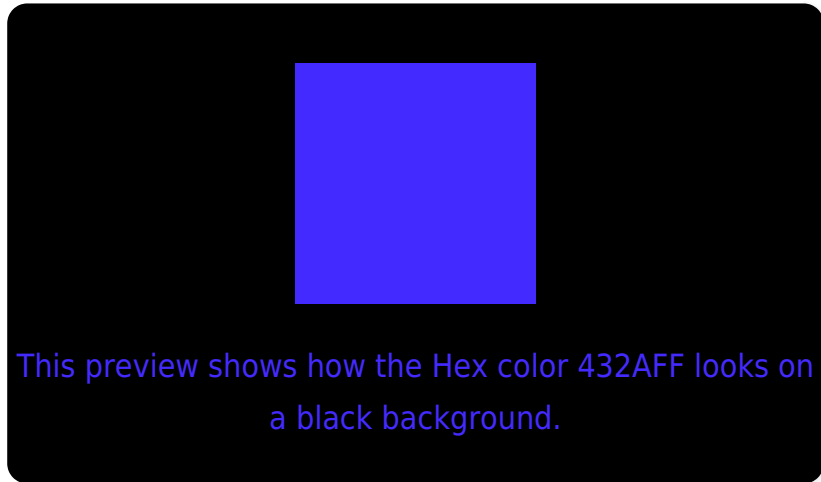
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

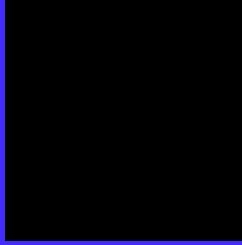
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 432AFF Background



This preview shows how black text looks on a background with the Hex color 432AFF.



This preview shows how white text looks on a background with the Hex color 432AFF.

# 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



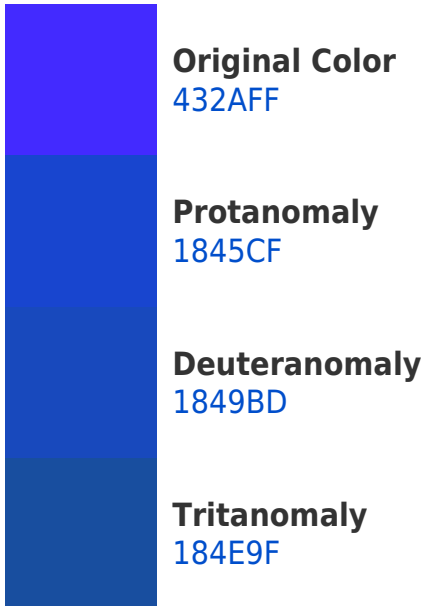
**Original Color**  
432AFF

**Protanopia**  
0055B3

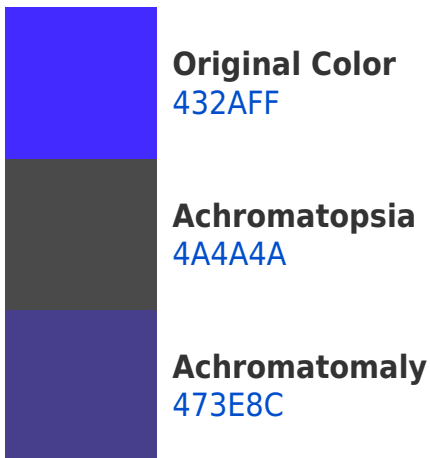
**Deuteranopia**  
005B98



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 432AFF 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 #432AFF looks like.

```
.text, #text, p{  
    color:#432AFF  
}
```

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 #432AFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #432AFF
}
```

## Border

The CSS property to change the border of an element to Hex 432AFF 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
#432AFF }
```

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

```
.border{ border-color:#432AFF }
```

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

Here you see how a box with a 4 pixel #432AFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #432AFF; -webkit-box-shadow:4px 4px  
4px 4px #432AFF; box-shadow:4px 4px 4px  
4px #432AFF }
```

# Background

The CSS property to change the background color of an element to Hex 432AFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#432AFF }
```

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

```
.background{ background-color:#432AFF }
```

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