

# Converting Colors

Hex(5342CC)

Have a look what the booklet for  
Hex(5342CC) contains.

<b>Hex(5342CC)</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(5342CC)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5342CC
RGB	83, 66, 204
RGB Percent	33%, 26%, 80%
CMY	0.6745, 0.7412, 0.2000
CMYK	0.59, 0.68, 0.00, 0.20
HSL	247°, 58%, 53%
HSV	247°, 68%, 80%
XYZ	16.4146, 10.0951, 58.2101
YIQ	86.8150, -34.1660, 46.5220

# Conversions

## Conversions Part 2

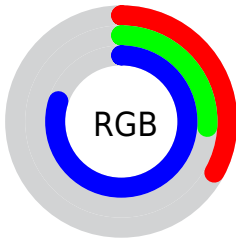
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	83, 66, 204
Decimal	5456588
CIE <sub>Lab</sub>	38.01, 45.63, -69.20
CIE <sub>LCh</sub>	38, 82.886, 303.401
Yxy	10.0951, 0.1938, 0.1192
Android (android.graphics.Color)	4283646668 (0xFF5342CC)
YUV	86.8150, 57.7722, -3.3458
Hunter-Lab	31.7727, 36.6152, -86.3830

# Details

The Hex color **5342CC** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **BBCC42**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **9074FF**, and **001395** is the 20% darker color. If you saturate the color by 10%, you get **412ECC**, and if you desaturate by 10%, it is **6556CC**.

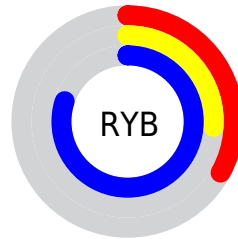
# Distribution



Red (33%)

Green (26%)

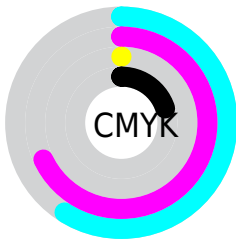
Blue (80%)



Red (33%)

Yellow (26%)

Blue (80%)

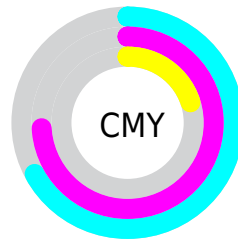


Cyan (59%)

Magenta (68%)

Yellow (0%)

Black (20%)



Cyan (67%)

Magenta (74%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5342CC 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 5342CC by changing the saturation by 10% instead.



■ 5342CC

■ 5342CC

FFFFFF

■ 302BB0

■ 9074FF

■ 001395

■ AE8EFF

■ 00007A

■ CBA8FF

■ 000060

■ EAC4FF

■ 000847

■ FFE0FF

■ 000430

■ FFFDFF

■ 00011A

■ 000000

■ 5342CC

■ 5342CC

■ 412ECC

■ 6556CC

■ 2F19CC

■ 776BCC

■ 1D05CC

■ 897FCC

■ 1900CC

■ 9B94CC

■ ACA8CC

■ BEBCCC

■ D0D1CC

■ E2E5CC

■ F4FACC

# Harmonies

## Analogous

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



0062E3



5342CC



AB0097

# Triad

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



5342CC



9B3C00



007260

# Complementary

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



5342CC



BBCC42

# 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.



007013



5342CC



675A00

# Square

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



5342CC



BE0013



136900



0073A3

# Rectangle

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



5342CC



C3006B



136900



007248



# Sweetspot

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



5342CC



D2CCFF



42BCCC



656180



000000



808080



# Same Dimension

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



5342CC



4A30FF



9742CC



5D5C66



1400A6



050026



# Inverse Universe

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



CC42BB



FF30E6



77CC42



665C65



A60091

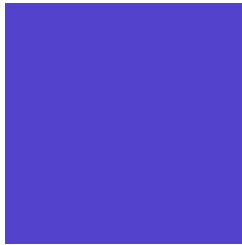


260022



# Previews

## White Background



This preview shows how the Hex color 5342CC looks on a white background.

## Color Contrast Check

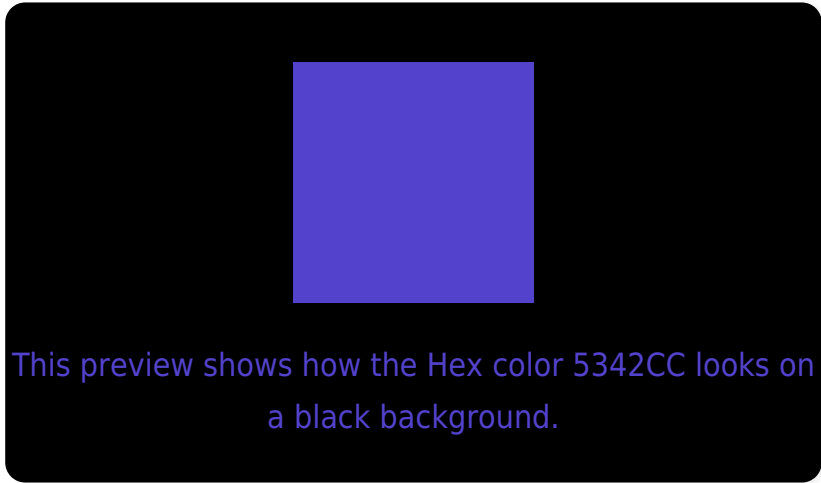
Large Text (above 18pt) WCAG AA ✓ Pass

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

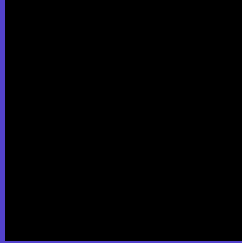
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5342CC Background



This preview shows how black text looks on a background with the Hex color 5342CC.

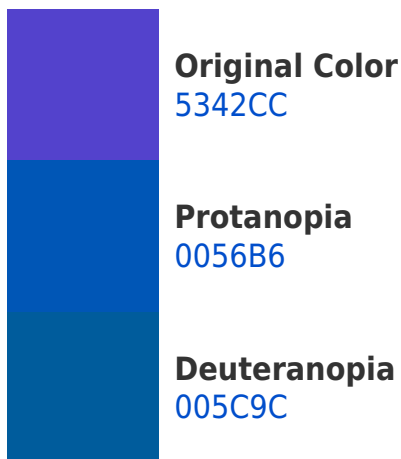


This preview shows how white text looks on a background with the Hex color 5342CC.

# 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](#).

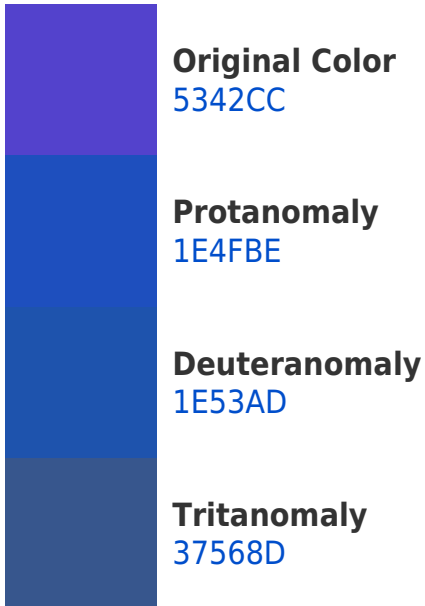
## Dichromacy



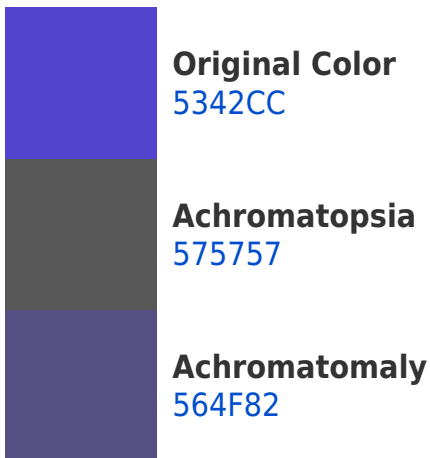


**Tritanopia**  
276169

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5342CC 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 #5342CC looks like.

```
.text, #text, p{  
    color:#5342CC  
}
```

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 #5342CC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5342CC
}
```

## Border

The CSS property to change the border of an element to Hex 5342CC 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".

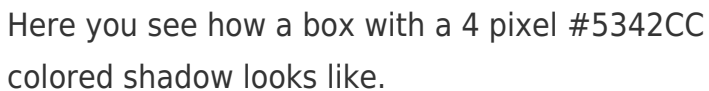
```
.border, #border, table{ border:4px solid
#5342CC }
```

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

```
.border{ border-color:#5342CC }
```

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

Here you see how a box with a 4 pixel #5342CC colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset in all directions from the box, creating a 4px wide blue border around the box. The text inside the box is "Here you see how a box with a 4 pixel #5342CC colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5342CC; -webkit-box-shadow:4px 4px  
4px 4px #5342CC; box-shadow:4px 4px 4px  
4px #5342CC }
```

# Background

The CSS property to change the background color of an element to Hex 5342CC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5342CC }
```

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

```
.background{ background-color:#5342CC }
```

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