

# Converting Colors

Hex(3851AE)

Have a look what the booklet for  
Hex(3851AE) contains.

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# Color

**Hex(3851AE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3851AE
RGB	56, 81, 174
RGB Percent	22%, 32%, 68%
CMY	0.7804, 0.6824, 0.3176
CMYK	0.68, 0.53, 0.00, 0.32
HSL	227°, 51%, 45%
HSV	227°, 68%, 68%
XYZ	12.2133, 9.7816, 41.2887
YIQ	84.1270, -44.7530, 23.6230

# Conversions

## Conversions Part 2

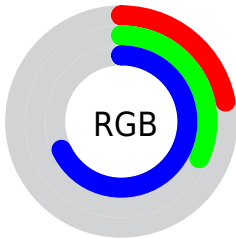
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	56, 77, 174
Decimal	3690926
CIE <sub>Lab</sub>	37.45, 21.93, -52.61
CIE <sub>LCh</sub>	37, 56.999, 292.631
Y <sub>xy</sub>	9.7816, 0.1930, 0.1546
Android (android.graphics.Color)	4281881006 (0xFF3851AE)
Y <sub>UV</sub>	84.1270, 44.3074, -24.6674
Hunter-Lab	31.2756, 14.9731, -56.3794

# Details

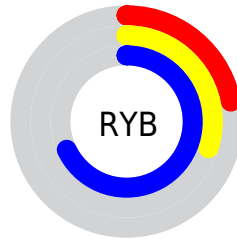
The Hex color **3851AE** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **AE9538**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **7482E6**, and **002579** is the 20% darker color. If you saturate the color by 10%, you get **2743AE**, and if you desaturate by 10%, it is **495FAE**.

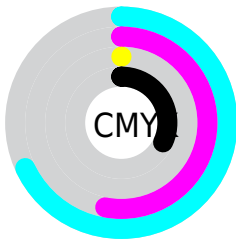
# Distribution



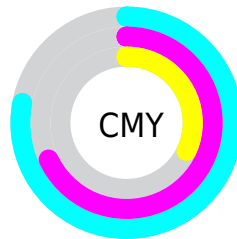
- Red (22%)
- Green (32%)
- Blue (68%)



- Red (22%)
- Yellow (30%)
- Blue (68%)



- Cyan (68%)
- Magenta (53%)
- Yellow (0%)
- Black (32%)



- Cyan (78%)
- Magenta (68%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3851AE 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 3851AE by changing the saturation by 10% instead.



■ 3851AE

■ 3851AE

FFFFFF

■ 0D3A93

■ 7482E6

■ 002579

■ 919CFF

■ 00135F

■ AEB7FF

■ 000047

■ CBD2FF

■ 00042F

■ E8EEFF

■ 00011A

■ 000000

■ 3851AE

■ 3851AE

■ 2743AE

■ 495FAE

■ 1536AE

■ 5B6CAE

■ 0428AE

■ 6C7AAE

■ 0025AE

■ 7E88AE

■ 8F96AE

■ A0A3AE

■ B2B1AE

■ C3BFAE

■ D5CCAЕ

# Harmonies

## Analogous

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



0061B4



3851AE



833991

# Triad

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



3851AE



953D09



006B4B

# Complementary

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



3851AE



AE9538

# 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.



00681A



3851AE



755200

# Square

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



3851AE



A72538



4A6000



006C7A

# Rectangle

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



3851AE



9C2775



4A6000



006B3B



# Sweetspot

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



3851AE



B6BFE3



38AE94



575D73



F2F2F2



737373



# Same Dimension

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



3851AE



2B52E3



5938AE



4E5057



002096



000517



# Inverse Universe

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



AE3851



E32B52



8DAE38



574E50



960020



170005



# Previews

## White Background



This preview shows how the Hex color 3851AE looks on a white background.

## Color Contrast Check

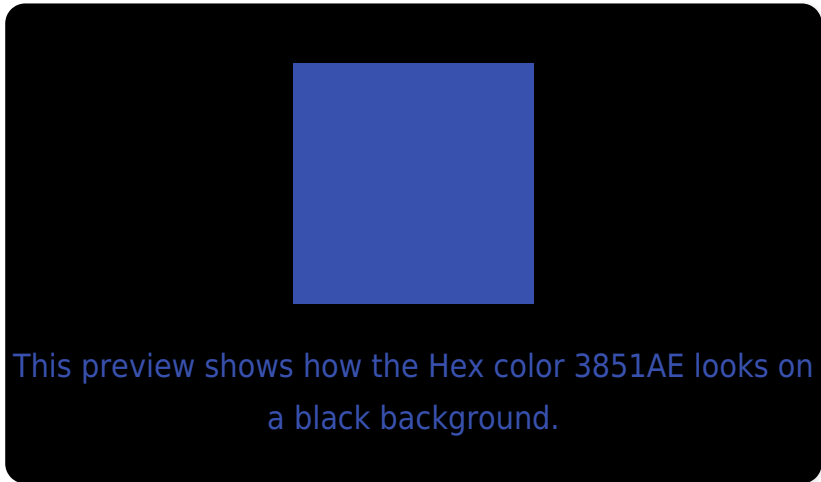
Large Text (above 18pt) WCAG AA ✓ Pass

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

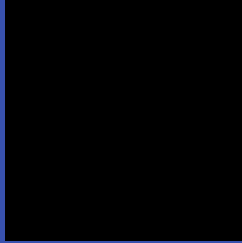
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3851AE Background



This preview shows how black text looks on a background with the Hex color 3851AE.

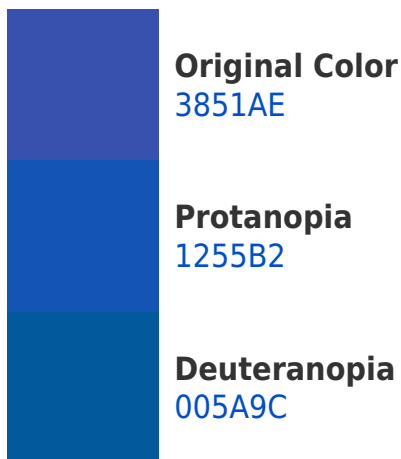


This preview shows how white text looks on a background with the Hex color 3851AE.

# Color Blindness Simulation

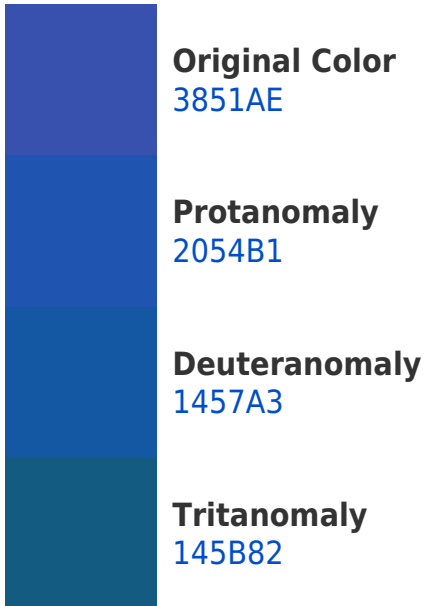
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3851AE 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 #3851AE looks like.

```
.text, #text, p{  
    color:#3851AE  
}
```

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 #3851AE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3851AE
}
```

## Border

The CSS property to change the border of an element to Hex 3851AE 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
#3851AE }
```

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

```
.border{ border-color:#3851AE }
```

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

Here you see how a box with a 4 pixel #3851AE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3851AE; -webkit-box-shadow:4px 4px  
4px 4px #3851AE; box-shadow:4px 4px 4px  
4px #3851AE }
```

# Background

The CSS property to change the background color of an element to Hex 3851AE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3851AE }
```

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

```
.background{ background-color:#3851AE }
```

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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