

# Converting Colors

Hex(633EC1)

Have a look what the booklet for  
Hex(633EC1) contains.

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# Color

**Hex(633EC1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	633EC1
RGB	99, 62, 193
RGB Percent	39%, 24%, 76%
CMY	0.6118, 0.7569, 0.2431
CMYK	0.49, 0.68, 0.00, 0.24
HSL	257°, 51%, 50%
HSV	257°, 68%, 76%
XYZ	16.4939, 9.9482, 51.5029
YIQ	87.9970, -19.9990, 48.5850

# Conversions

## Conversions Part 2

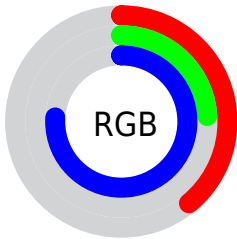
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 62, 193
Decimal	6504129
CIE <sub>Lab</sub>	37.75, 47.21, -63.16
CIE <sub>LCh</sub>	38, 78.855, 306.778
Yxy	9.9482, 0.2116, 0.1276
Android (android.graphics.Color)	4284694209 (0xFF633EC1)
YUV	87.9970, 51.7665, 9.6496
Hunter-Lab	31.5407, 38.1484, -74.7364

# Details

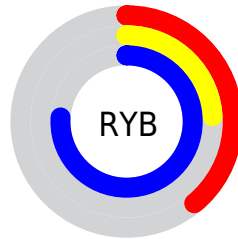
The Hex color **633EC1** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **9CC13E**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **9D70FA**, and **230C8A** is the 20% darker color. If you saturate the color by 10%, you get **552BC1**, and if you desaturate by 10%, it is **7151C1**.

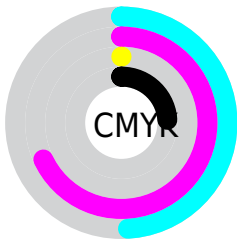
# Distribution



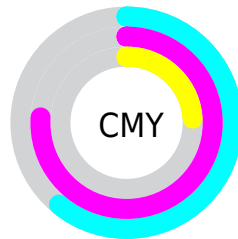
- Red (39%)
- Green (24%)
- Blue (76%)



- Red (39%)
- Yellow (24%)
- Blue (76%)



- Cyan (49%)
- Magenta (68%)
- Yellow (0%)
- Black (24%)



- Cyan (61%)
- Magenta (76%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 633EC1 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 633EC1 by changing the saturation by 10% instead.



633EC1

633EC1

FFFFFF

4526A5

9D70FA

230C8A

BA8AFF

000070

D7A5FF

000057

F5C1FF

00063E

FFDDFF

000327

FFFAFF

000111

000000

633EC1

633EC1

■ 552BC1

■ 7151C1

■ 4717C1

■ 7F65C1

■ 3904C1

■ 8D78C1

■ 3700C1

■ 9A8BC1

■ A89FC1

■ B6B2C1

■ C4C5C1

■ D2D8C1

■ E0ECC1

# Harmonies

## Analogous

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



005EDA



633EC1



AC008D

# Triad

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



633EC1



944100



007166

# Complementary

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



633EC1



9CC13E

# 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.



006F21



633EC1



605B00

# Square

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



633EC1



B7000D



046900



0072A5

# Rectangle

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



633EC1



BF0063



046900



007150



# Sweetspot

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



633EC1



D6C8FA



3E9EC1



675F7D



FCFCFC



7D7D7D



# Same Dimension

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



633EC1



692FFA



A23EC1



5A5761



2D00A1



090021



# Inverse Universe

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



C13E9C



FA2FC1



5DC13E



61575E



A10073

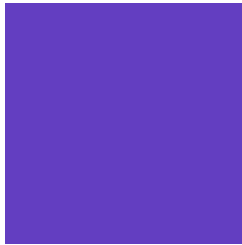


210018



# Previews

## White Background



This preview shows how the Hex color 633EC1 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

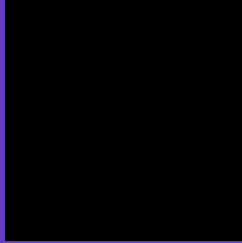
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 633EC1 Background



This preview shows how black text looks on a background with the Hex color 633EC1.

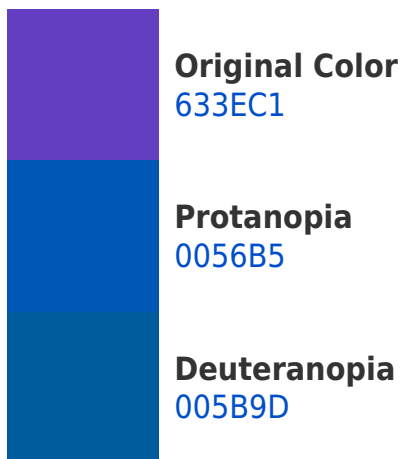


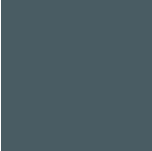
This preview shows how white text looks on a background with the Hex color 633EC1.

# 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](#).

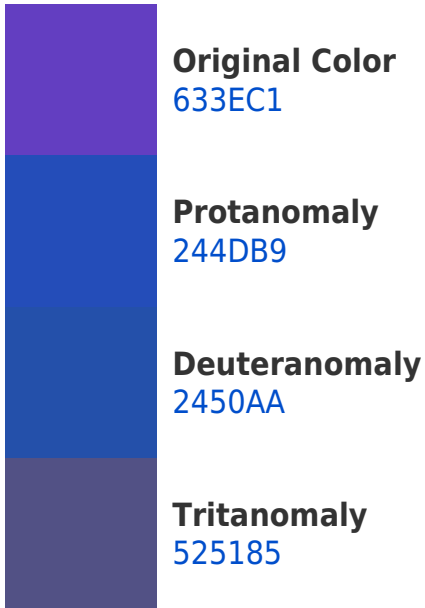
## Dichromacy



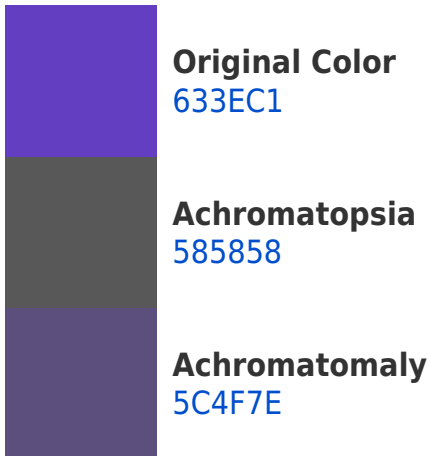


**Tritanopia**  
495C63

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 633EC1 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 #633EC1 looks like.

```
.text, #text, p{  
    color:#633EC1  
}
```

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 #633EC1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #633EC1
}
```

## Border

The CSS property to change the border of an element to Hex 633EC1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

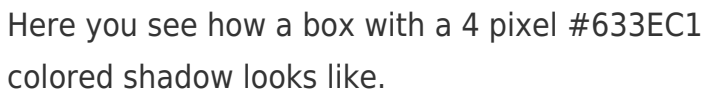
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#633EC1 }
```

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

```
.border{ border-color:#633EC1 }
```

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



Here you see how a box with a 4 pixel #633EC1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #633EC1; -webkit-box-shadow:4px 4px  
4px 4px #633EC1; box-shadow:4px 4px 4px  
4px #633EC1 }
```

# Background

The CSS property to change the background color of an element to Hex 633EC1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#633EC1 }
```

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

```
.background{ background-color:#633EC1 }
```

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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