

# Converting Colors

Hex(643EA1)

Have a look what the booklet for  
Hex(643EA1) contains.

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# Color

**Hex(643EA1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	643EA1
RGB	100, 62, 161
RGB Percent	39%, 24%, 63%
CMY	0.6078, 0.7569, 0.3686
CMYK	0.38, 0.61, 0.00, 0.37
HSL	263°, 44%, 44%
HSV	263°, 61%, 63%
XYZ	13.4112, 8.7278, 34.6960
YIQ	84.6480, -9.1310, 38.8450

# Conversions

## Conversions Part 2

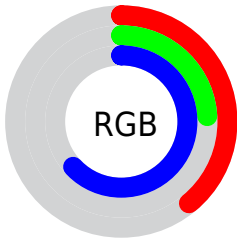
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 62, 161
Decimal	6569633
CIE <sub>Lab</sub>	35.45, 38.52, -47.89
CIE <sub>LCh</sub>	35, 61.457, 308.807
Yxy	8.7278, 0.2360, 0.1536
Android (android.graphics.Color)	4284759713 (0xFF643EA1)
YUV	84.6480, 37.6415, 13.4637
Hunter-Lab	29.5428, 29.3314, -48.9520

# Details

The Hex color **643EA1** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **7BA13E**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **9B6FD9**, and **2E0E6C** is the 20% darker color. If you saturate the color by 10%, you get **5A2EA1**, and if you desaturate by 10%, it is **6E4EA1**.

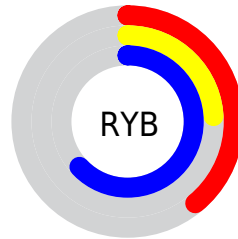
# Distribution



Red (39%)

Green (24%)

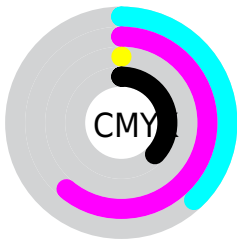
Blue (63%)



Red (39%)

Yellow (24%)

Blue (63%)

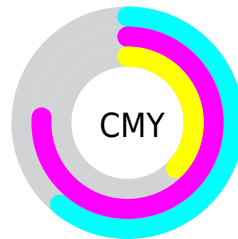


Cyan (38%)

Magenta (61%)

Yellow (0%)

Black (37%)



Cyan (61%)

Magenta (76%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 643EA1 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 643EA1 by changing the saturation by 10% instead.



643EA1

643EA1

FFFFFF

492686

9B6FD9

2E0E6C

B789F5

0F0054

D3A4FF

00003C

F0BFFF

000225

FFDCFF

00010D

FFF8FF

000000

643EA1

643EA1

5A2EA1

6E4EA1

■ 501EA1

■ 785EA1

■ 460EA1

■ 826EA1

■ 3E00A1

■ 8C7EA1

■ 968FA1

■ A09FA1

■ A9AFA1

■ B3BFA1

■ BDCFA1

# Harmonies

## Analogous

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



0055B6



643EA1



971B78

# Triad

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



643EA1



824300



006861

# Complementary

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



643EA1



7BA13E

# 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.



00662D



643EA1



5A5600

# Square

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



643EA1



9E2717



1E6100



006790

# Rectangle

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



643EA1



A50158



1E6100



006850



# Sweetspot

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



643EA1



BAABD1



3E7BA1



5A5269



E8E8E8



696969



# Same Dimension

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



643EA1



7236D1



953EA1



4D4952



380091



070012



# Inverse Universe

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



A13E7B



D13696



4AA13E



52494E



91005A

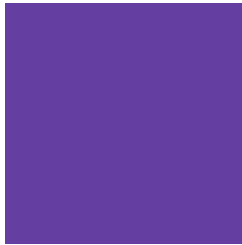


12000B



# Previews

## White Background



This preview shows how the Hex color 643EA1 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 643EA1 Background



This preview shows how black text looks on a background with the Hex color 643EA1.

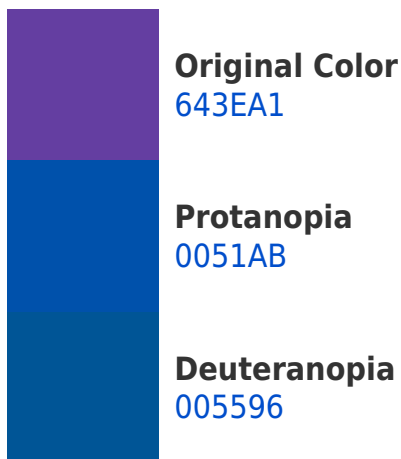


This preview shows how white text looks on a background with the Hex color 643EA1.

# 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](#).

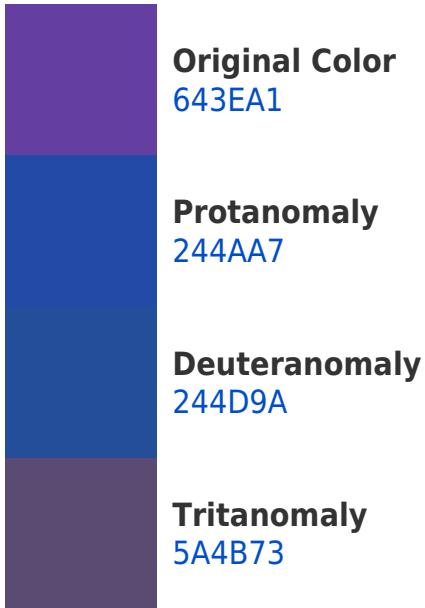
## Dichromacy



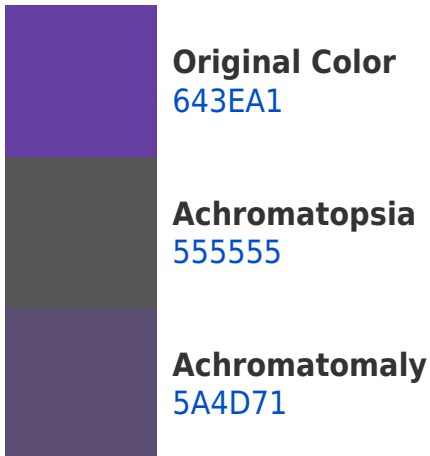


**Tritanopia**  
545359

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 643EA1 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 #643EA1 looks like.

```
.text, #text, p{  
    color:#643EA1  
}
```

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 #643EA1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #643EA1
}
```

## Border

The CSS property to change the border of an element to Hex 643EA1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

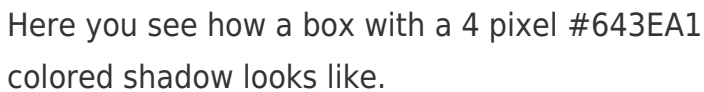
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#643EA1 }
```

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

```
.border{ border-color:#643EA1 }
```

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



Here you see how a box with a 4 pixel #643EA1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #643EA1; -webkit-box-shadow:4px 4px  
4px 4px #643EA1; box-shadow:4px 4px 4px  
4px #643EA1 }
```

# Background

The CSS property to change the background color of an element to Hex 643EA1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#643EA1 }
```

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

```
.background{ background-color:#643EA1 }
```

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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