

# Converting Colors

Hex(642E89)

Have a look what the booklet for  
Hex(642E89) contains.

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# Color

**Hex(642E89)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	642E89
RGB	100, 46, 137
RGB Percent	39%, 18%, 54%
CMY	0.6078, 0.8196, 0.4627
CMYK	0.27, 0.66, 0.00, 0.46
HSL	276°, 50%, 36%
HSV	276°, 66%, 54%
XYZ	10.7479, 6.4695, 24.3492
YIQ	72.5200, 2.9730, 39.7490

# Conversions

## Conversions Part 2

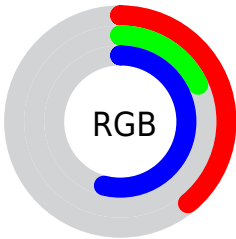
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 46, 137
Decimal	6565513
CIE <sub>Lab</sub>	30.57, 41.07, -41.11
CIE <sub>LCh</sub>	31, 58.105, 314.970
Yxy	6.4695, 0.2586, 0.1556
Android (android.graphics.Color)	4284755593 (0xFF642E89)
YUV	72.5200, 31.7886, 24.1000
Hunter-Lab	25.4351, 30.9156, -38.9540

# Details

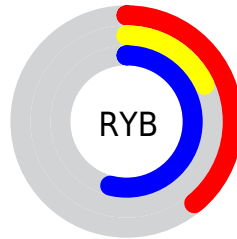
The Hex color **642E89** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **53892E**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **9A60BF**, and **300056** is the 20% darker color. If you saturate the color by 10%, you get **5E2089**, and if you desaturate by 10%, it is **6A3C89**.

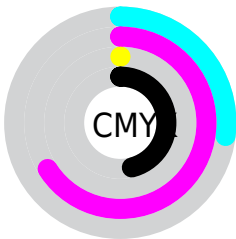
# Distribution



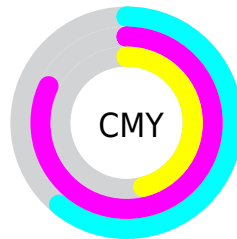
- Red (39%)
- Green (18%)
- Blue (54%)



- Red (39%)
- Yellow (18%)
- Blue (54%)



- Cyan (27%)
- Magenta (66%)
- Yellow (0%)
- Black (46%)



- Cyan (61%)
- Magenta (82%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 642E89 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 642E89 by changing the saturation by 10% instead.



■ 642E89

■ 642E89

FFFFFF

■ 4A156F

■ 9A60BF

■ 300056

■ B679DB

■ 1B003F

■ D294F8

■ 000227

■ EFAFFF

■ 000111

■ FFCBFF

■ 000000

■ FFE7FF

■ 642E89

■ 642E89

■ 5E2089

■ 6A3C89

■ 591389

■ 6F4989

■ 530589

■ 755789

■ 510089

■ 7A6589

■ 807389

■ 858089

■ 8B8E89

■ 919C89

■ 96A989

# Harmonies

## Analogous

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



0046A1



642E89



8B0561

# Triad

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



642E89



6B3D00



005B5E

# Complementary

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



642E89



53892E

# 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.



00592F



642E89



444D00

# Square

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



642E89



882405



005500



005A88

# Rectangle

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



642E89



940043



005500



005A4F



# Sweetspot

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



642E89



A48FB3



2E5489



514459



D9D9D9



595959



# Same Dimension

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



642E89



7824B3



892E81



423E45



4F0085



030005



# Inverse Universe

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



892E53



B3245E



2E8936



453E41



850036



050002



# Previews

## White Background



This preview shows how the Hex color 642E89 looks on a white background.

## Color Contrast Check

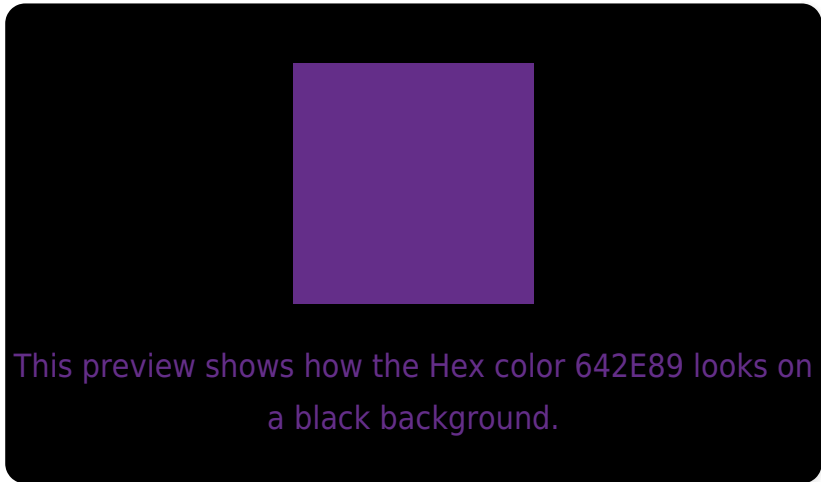
Large Text (above 18pt) WCAG AA ✓ Pass

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

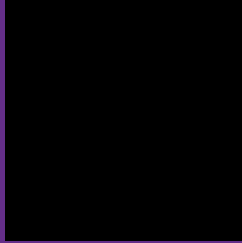
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 642E89 Background



This preview shows how black text looks on a background with the Hex color 642E89.



This preview shows how white text looks on a background with the Hex color 642E89.

# 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**  
642E89

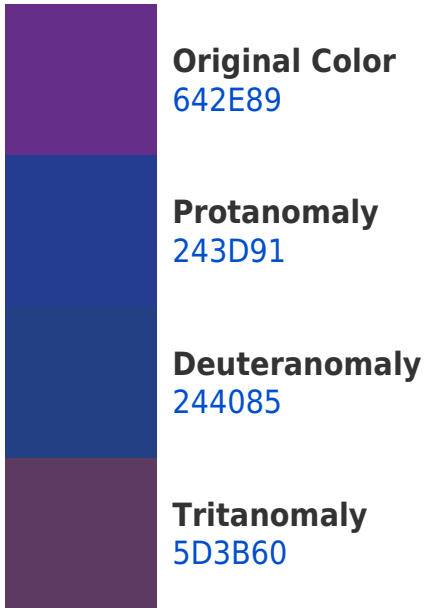
**Protanopia**  
004695

**Deuteranopia**  
004A83

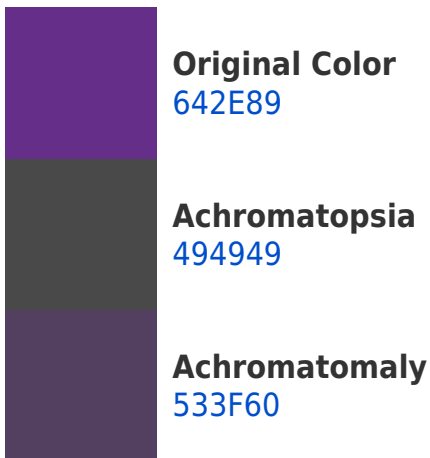


**Tritanopia**  
594248

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 642E89 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 #642E89 looks like.

```
.text, #text, p{  
    color:#642E89  
}
```

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 #642E89 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #642E89
}
```

## Border

The CSS property to change the border of an element to Hex 642E89 is called "border". The border property can be set on classes, ids or directly on the HTML element.

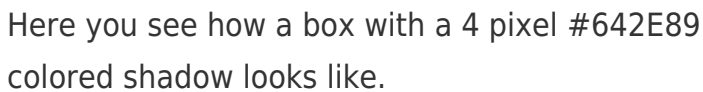
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#642E89 }
```

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

```
.border{ border-color:#642E89 }
```

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



Here you see how a box with a 4 pixel #642E89 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #642E89; -webkit-box-shadow:4px 4px  
4px 4px #642E89; box-shadow:4px 4px 4px  
4px #642E89 }
```

# Background

The CSS property to change the background color of an element to Hex 642E89 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#642E89 }
```

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

```
.background{ background-color:#642E89 }
```

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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