

# Converting Colors

Hex(642FD9)

Have a look what the booklet for  
Hex(642FD9) contains.

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# Color

**Hex(642FD9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	642FD9
RGB	100, 47, 217
RGB Percent	39%, 18%, 85%
CMY	0.6078, 0.8157, 0.1490
CMYK	0.54, 0.78, 0.00, 0.15
HSL	259°, 69%, 52%
HSV	259°, 78%, 85%
XYZ	18.7964, 9.7521, 66.5373
YIQ	82.2270, -22.9820, 64.1060

# Conversions

## Conversions Part 2

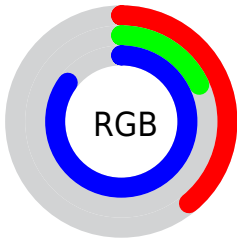
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 47, 217
Decimal	6565849
CIE <sub>Lab</sub>	37.39, 61.16, -77.66
CIE <sub>LCh</sub>	37, 98.852, 308.221
Yxy	9.7521, 0.1977, 0.1026
Android (android.graphics.Color)	4284755929 (0xFF642FD9)
YUV	82.2270, 66.4431, 15.5869
Hunter-Lab	31.2284, 52.7899, -104.4675

# Details

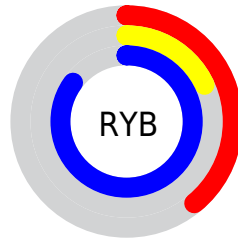
The Hex color **642FD9** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark washed purple. A complement of this color would be **A4D92F**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **A164FF**, and **1600A1** is the 20% darker color. If you saturate the color by 10%, you get **5519D9**, and if you desaturate by 10%, it is **7345D9**.

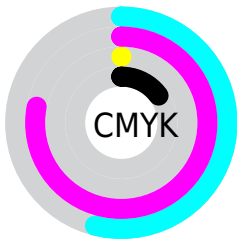
# Distribution



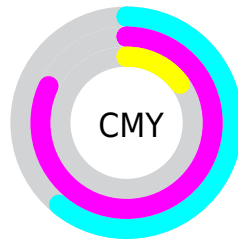
- Red (39%)
- Green (18%)
- Blue (85%)



- Red (39%)
- Yellow (18%)
- Blue (85%)



- Cyan (54%)
- Magenta (78%)
- Yellow (0%)
- Black (15%)



- Cyan (61%)
- Magenta (82%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 642FD9 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 642FD9 by changing the saturation by 10% instead.



 642FD9

 642FD9

FFFFFF

 4311BC

 A164FF

 1600A1

 C07EFF

 000086

 DE9AFF

 00006B

 FDB5FF

 000652

 FFD2FF

 00053A

 FFEFFF

 000223

 00000A

 000000

■ 642FD9

■ 642FD9

■ 5519D9

■ 7345D9

■ 4604D9

■ 825AD9

■ 4400D9

■ 9170D9

■ A086D9

■ AF9CD9

■ BEB1D9

■ CDC7D9

■ DBDDD9

■ EAF2D9

# Harmonies

## Analogous

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



005FFC



642FD9



C00095

# Triad

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



642FD9



993A00



00736D

# Complementary

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



642FD9



A4D92F

# 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.



007111



642FD9



585D00

# Square

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



642FD9



C60000



006B00



0075BB

# Rectangle

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



642FD9



D50061



006B00



007351



# Sweetspot

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



642FD9



D5C2FF



2FA6D9



665B80



000000



808080



# Same Dimension

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



642FD9



5A0FFF



B72FD9



66636E



3600AD



0E002E



# Inverse Universe

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



D92FA4



FF0FB4



51D92F



6E636A



AD0077

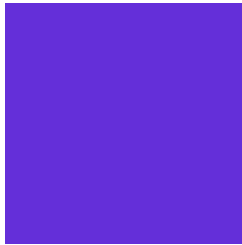


2E0020



# Previews

## White Background



This preview shows how the Hex color 642FD9 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

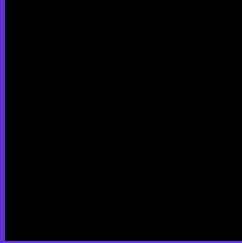
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 642FD9 Background



This preview shows how black text looks on a background with the Hex color 642FD9.

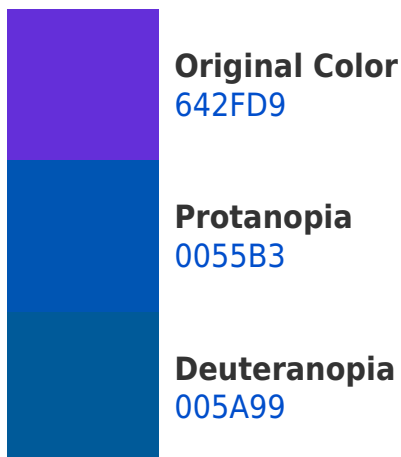



This preview shows how white text looks on a background with the Hex color 642FD9.

# 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**  
3D5D64

# Trichromacy



**Original Color**  
642FD9



**Protanomaly**  
2447C1



**Deuteranomaly**  
244AB0



**Tritanomaly**  
4B4C8F

# Monochromacy



**Original Color**  
642FD9



**Achromatopsia**  
525252



**Achromatomaly**  
594583

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 642FD9 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 #642FD9 looks like.

```
.text, #text, p{  
    color:#642FD9  
}
```

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 #642FD9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #642FD9
}
```

## Border

The CSS property to change the border of an element to Hex 642FD9 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
#642FD9 }
```

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

```
.border{ border-color:#642FD9 }
```

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

Here you see how a box with a 4 pixel #642FD9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #642FD9; -webkit-box-shadow:4px 4px  
4px 4px #642FD9; box-shadow:4px 4px 4px  
4px #642FD9 }
```

# Background

The CSS property to change the background color of an element to Hex 642FD9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#642FD9 }
```

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

```
.background{ background-color:#642FD9 }
```

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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