

# Converting Colors

Hex(64177E)

Have a look what the booklet for  
Hex(64177E) contains.

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# Color

**Hex(64177E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	64177E
RGB	100, 23, 126
RGB Percent	39%, 9%, 49%
CMY	0.6078, 0.9098, 0.5059
CMYK	0.21, 0.82, 0.00, 0.51
HSL	285°, 69%, 29%
HSV	285°, 82%, 49%
XYZ	9.3278, 4.8285, 20.1790
YIQ	57.7650, 12.8290, 48.3570

# Conversions

## Conversions Part 2

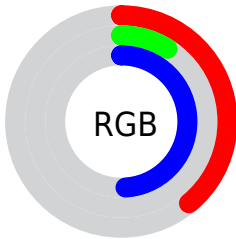
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 23, 126
Decimal	6559614
CIE <sub>Lab</sub>	26.24, 48.56, -41.20
CIE <sub>LCh</sub>	26, 63.683, 319.688
Y <sub>xy</sub>	4.8285, 0.2717, 0.1406
Android (android.graphics.Color)	4284749694 (0xFF64177E)
YUV	57.7650, 33.6399, 37.0401
Hunter-Lab	21.9738, 37.3187, -39.0657

# Details

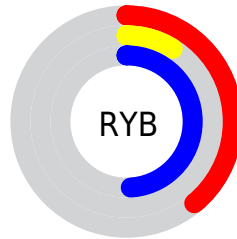
The Hex color **64177E** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **317E17**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **9A4DB3**, and **30004C** is the 20% darker color. If you saturate the color by 10%, you get **610A7E**, and if you desaturate by 10%, it is **67247E**.

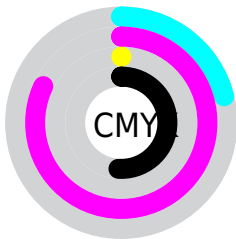
# Distribution



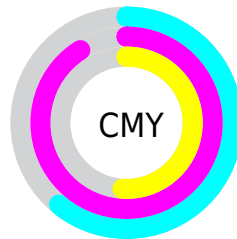
- Red (39%)
- Green (9%)
- Blue (49%)



- Red (39%)
- Yellow (9%)
- Blue (49%)



- Cyan (21%)
- Magenta (82%)
- Yellow (0%)
- Black (51%)



- Cyan (61%)
- Magenta (91%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64177E 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 64177E by changing the saturation by 10% instead.



64177E

64177E

FFFFFF

4A0065

9A4DB3

30004C

B667CF

180035

D381EC

00021E

F09CFF

000001

FFB8FF

000000

FFD4FF

FFF1FF

64177E

64177E

■ 610A7E

■ 67247E

■ 5E007E

■ 6A307E

■ 6E3D7E

■ 71497E

■ 74567E

■ 77637E

■ 7A6F7E

■ 7D7C7E

■ 81887E

# Harmonies

## Analogous

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



003A9C



64177E



880051

# Triad

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



64177E



5B3600



00515E

# Complementary

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



64177E



317E17

# 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.



00502B



64177E



2F4500

# Square

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



64177E



7C1700



004C00



005089

# Rectangle

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



64177E



8E0031



004C00



00514D



# Sweetspot

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



64177E



997AA3



17327E



4B3952



D1D1D1



525252



# Same Dimension

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



64177E



7B03A3



7E1766



3E3940



5F0080



000000



# Inverse Universe

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



7E1731



A3032C



177E2F



40393B



800020

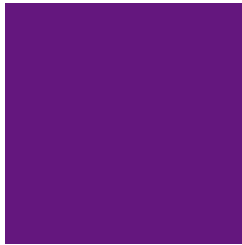


000000



# Previews

## White Background



This preview shows how the Hex color 64177E looks on a white background.

## Color Contrast Check

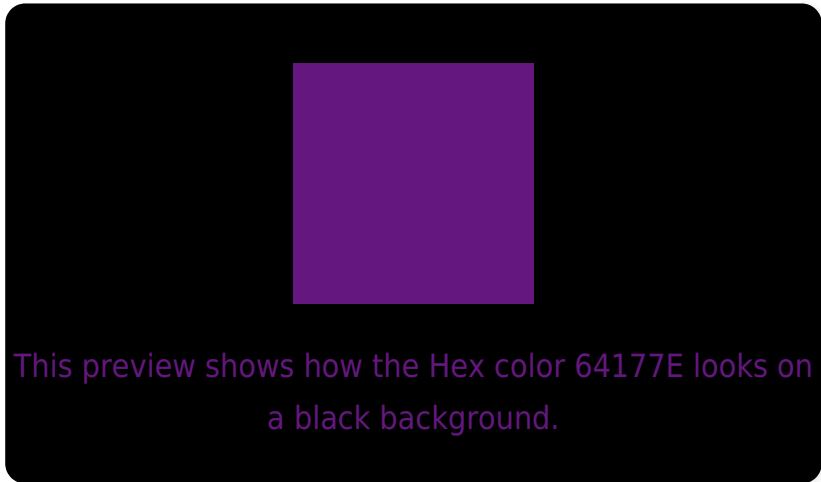
Large Text (above 18pt) WCAG AA ✓ Pass

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

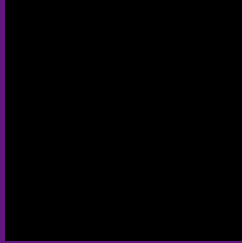
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 64177E Background



This preview shows how black text looks on a background with the Hex color 64177E.



This preview shows how white text looks on a background with the Hex color 64177E.

# 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**  
64177E

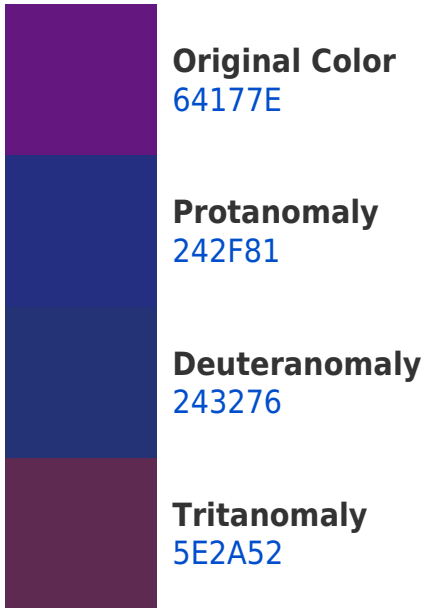
**Protanopia**  
003D82

**Deuteranopia**  
004172

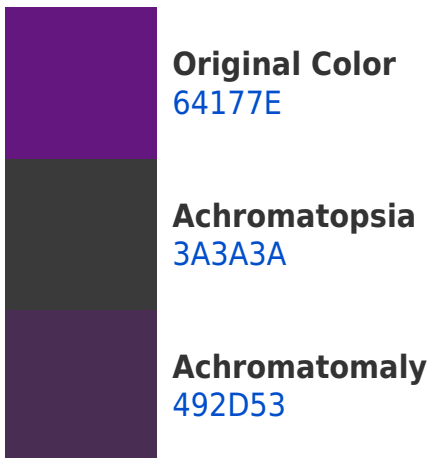


**Tritanopia**  
5A3539

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64177E 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 #64177E looks like.

```
.text, #text, p{  
    color:#64177E  
}
```

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 #64177E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64177E
}
```

## Border

The CSS property to change the border of an element to Hex 64177E is called "border". The border property can be set on classes, ids or directly on the HTML element.

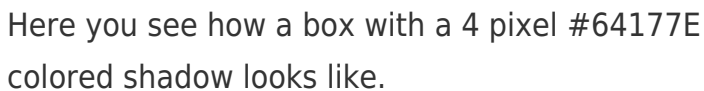
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#64177E }
```

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

```
.border{ border-color:#64177E }
```

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



Here you see how a box with a 4 pixel #64177E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64177E; -webkit-box-shadow:4px 4px  
4px 4px #64177E; box-shadow:4px 4px 4px  
4px #64177E }
```

# Background

The CSS property to change the background color of an element to Hex 64177E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64177E }
```

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

```
.background{ background-color:#64177E }
```

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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