

# Converting Colors

Hex(640080)

Have a look what the booklet for  
Hex(640080) contains.

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# Color

**Hex(640080)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	640080
RGB	100, 0, 128
RGB Percent	39%, 0%, 50%
CMY	0.6078, 1.0000, 0.4980
CMYK	0.22, 1.00, 0.00, 0.50
HSL	287°, 100%, 25%
HSV	287°, 100%, 50%
XYZ	9.1518, 4.2678, 20.7635
YIQ	44.4920, 18.5120, 61.0080

# Conversions

## Conversions Part 2

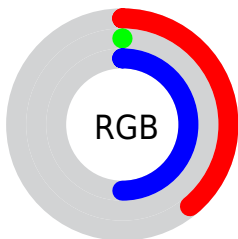
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 0, 128
Decimal	6553728
CIELab	24.54, 54.44, -45.23
CIELCh	25, 70.774, 320.282
Yxy	4.2678, 0.2677, 0.1249
Android (android.graphics.Color)	4284743808 (0xFF640080)
YUV	44.4920, 41.1694, 48.6805
Hunter-Lab	20.6587, 42.9226, -45.1295

# Details

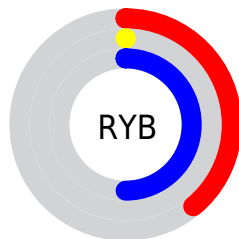
The Hex color **640080** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **1C8000**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **9B42B6**, and **2F004E** is the 20% darker color. If you saturate the color by 10%, you get **640080**, and if you desaturate by 10%, it is **670D80**.

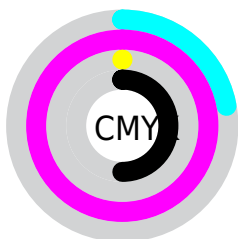
# Distribution



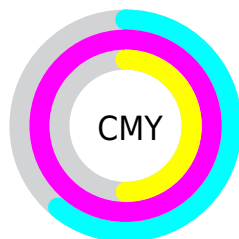
- Red (39%)
- Green (0%)
- Blue (50%)



- Red (39%)
- Yellow (0%)
- Blue (50%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (50%)



- Cyan (61%)
- Magenta (100%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 640080 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 640080 by changing the saturation by 10% instead.



 640080

 640080

FFFFFF

 490066

 9B42B6

 2F004E

 B75DD2

 140036

 D477EE

 000220

 F193FF

 000003

 FFAEFF

 000000

 FFCBFF

 FFE7FF

 640080

 670D80

 6A1A80

 6C2680

 6F3380

 724080

 754D80

 785A80

 7A6680

 7D7380

# Harmonies

## Analogous

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



0035A1



640080



8B004E

# Triad

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



640080



573200



004E5E

# Complementary

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



640080



1C8000

# 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.



004C26



640080



244200

# Square

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



640080



7B0500



004900



004D8E

# Rectangle

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



640080



91002B



004900



004D4C



# Sweetspot

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



640080



9B74A6



001E80



4E3654



D4D4D4



545454



# Same Dimension

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



640080



8100A6



80005E



3E3940



000000

# Inverse Universe

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



80001C



A60024



008022



40393B



000000

# Previews

## White Background



This preview shows how the Hex color 640080 looks on a white background.

## Color Contrast Check

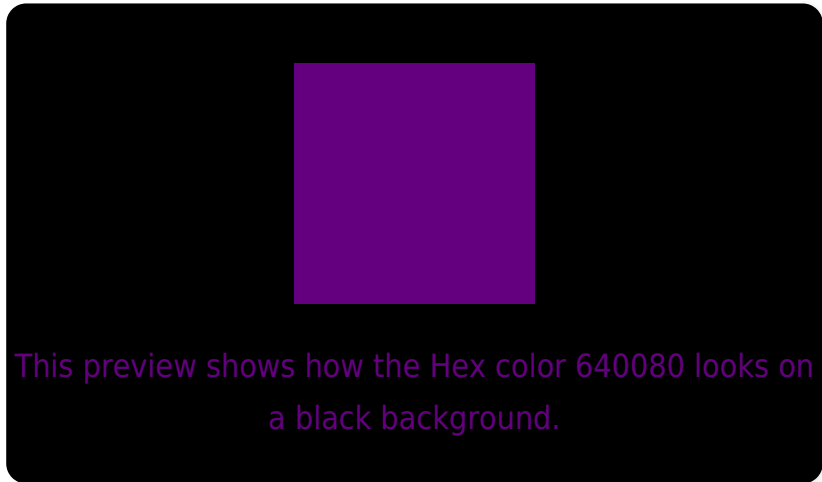
Large Text (above 18pt) WCAG AA ✓ Pass

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

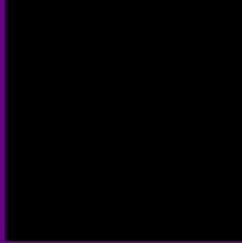
Any Text WCAG AA × Fail

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 640080 Background



This preview shows how black text looks on a background with the Hex color 640080.



This preview shows how white text looks on a background with the Hex color 640080.

# 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**  
640080

**Protanopia**  
003C7E

**Deuteranopia**  
003F6E





**Tritanopia**  
593236

# Trichromacy



**Original Color**  
640080

**Protanomaly**  
24267F

**Deuteranomaly**  
242875

**Tritanomaly**  
5D2051

# Monochromacy



**Original Color**  
640080

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
401C4B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 640080 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 #640080 looks like.

```
.text, #text, p{  
    color:#640080  
}
```

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 #640080 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #640080
}
```

## Border

The CSS property to change the border of an element to Hex 640080 is called "border". The border property can be set on classes, ids or directly on the HTML element.

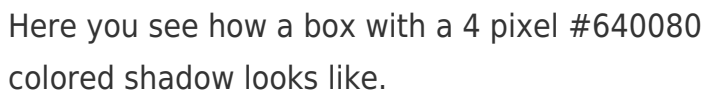
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#640080 }
```

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

```
.border{ border-color:#640080 }
```

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



Here you see how a box with a 4 pixel #640080 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #640080; -webkit-box-shadow:4px 4px  
4px 4px #640080; box-shadow:4px 4px 4px  
4px #640080 }
```

# Background

The CSS property to change the background color of an element to Hex 640080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#640080 }
```

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

```
.background{ background-color:#640080 }
```

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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