

# Converting Colors

Hex(640078)

Have a look what the booklet for  
Hex(640078) contains.

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**Color**

**Hex(640078)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	640078
RGB	100, 0, 120
RGB Percent	39%, 0%, 47%
CMY	0.6078, 1.0000, 0.5294
CMYK	0.17, 1.00, 0.00, 0.53
HSL	290°, 100%, 24%
HSV	290°, 100%, 47%
XYZ	8.6457, 4.0654, 18.0983
YIQ	43.5800, 21.0800, 58.5200

# Conversions

## Conversions Part 2

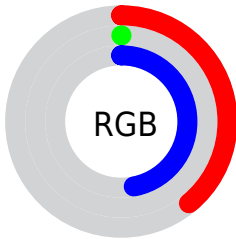
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 0, 120
Decimal	6553720
CIELab	23.89, 52.94, -41.20
CIELCh	24, 67.081, 322.112
Yxy	4.0654, 0.2806, 0.1320
Android (android.graphics.Color)	4284743800 (0xFF640078)
YUV	43.5800, 37.6751, 49.4803
Hunter-Lab	20.1628, 41.2548, -39.1053

# Details

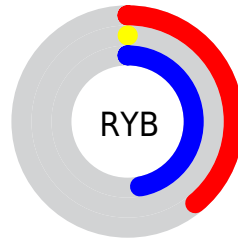
The Hex color **640078** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **147800**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **9B41AD**, and **300046** is the 20% darker color. If you saturate the color by 10%, you get **640078**, and if you desaturate by 10%, it is **660C78**.

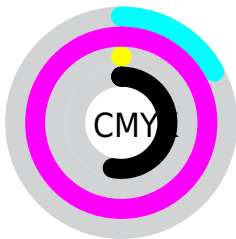
# Distribution



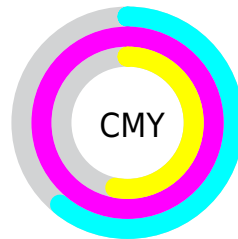
- Red (39%)
- Green (0%)
- Blue (47%)



- Red (39%)
- Yellow (0%)
- Blue (47%)



- Cyan (17%)
- Magenta (100%)
- Yellow (0%)
- Black (53%)



- Cyan (61%)
- Magenta (100%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 640078 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 640078 by changing the saturation by 10% instead.



640078

640078

FFFFFF

4A005F

9B41AD

300046

B75CC9

15002F

D377E5

000119

F192FF

000000

FFADFF

FFCAFF

FFE6FF

640078

 660C78

 681878

 6A2478

 6C3078

 6E3C78

 704878

 725478

 746078

 766C78

# Harmonies

## Analogous

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



003299



640078



860048

# Triad

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



640078



523200



004B5E

# Complementary

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



640078



147800

# 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.



004A29



640078



214100

# Square

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



640078



740F00



004700



004B89

# Rectangle

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



640078



8B0028



004700



004B4D



# Sweetspot

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



640078



946D9C



001478



4A334F



CFCFCF



4F4F4F



# Same Dimension

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



640078



82009C



780050



3C373D



68007D



D200FC



# Inverse Universe

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



780014



9C001A



007828



3D3738



7D0015



FC002A



# Previews

## White Background



This preview shows how the Hex color 640078 looks on a white background.

## Color Contrast Check

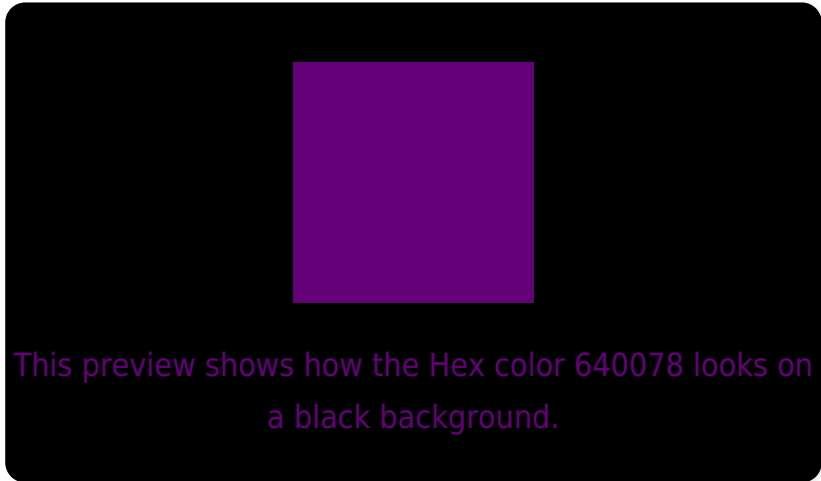
Large Text (above 18pt) WCAG AA ✓ Pass

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

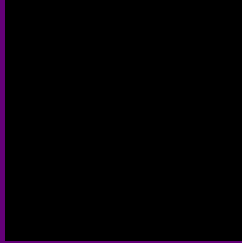
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 640078 Background



This preview shows how black text looks on a background with the Hex color 640078.



This preview shows how white text looks on a background with the Hex color 640078.

# 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**  
640078

**Protanopia**  
003A7B

**Deuteranopia**  
003E6C



**Tritanopia**  
5B2F32

# Trichromacy



**Original Color**  
640078

**Protanomaly**  
24257A

**Deuteranomaly**  
242770

**Tritanomaly**  
5E1E4B

# Monochromacy



**Original Color**  
640078

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
401C48

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 640078 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 #640078 looks like.

```
.text, #text, p{  
    color:#640078  
}
```

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 #640078 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #640078
}
```

## Border

The CSS property to change the border of an element to Hex 640078 is called "border". The border property can be set on classes, ids or directly on the HTML element.

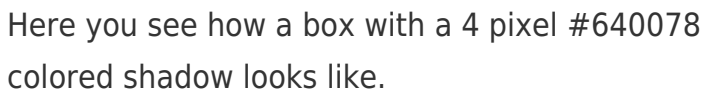
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#640078 }
```

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

```
.border{ border-color:#640078 }
```

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



Here you see how a box with a 4 pixel #640078 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #640078; -webkit-box-shadow:4px 4px  
4px 4px #640078; box-shadow:4px 4px 4px  
4px #640078 }
```

# Background

The CSS property to change the background color of an element to Hex 640078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#640078 }
```

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

```
.background{ background-color:#640078 }
```

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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