

# Converting Colors

Hex(640444)

Have a look what the booklet for  
Hex(640444) contains.

<b>Hex(640444)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(640444)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	640444
RGB	100, 4, 68
RGB Percent	39%, 2%, 27%
CMY	0.6078, 0.9843, 0.7333
CMYK	0.00, 0.96, 0.32, 0.61
HSL	320°, 92%, 20%
HSV	320°, 96%, 39%
XYZ	6.3423, 3.2135, 5.7548
YIQ	40.0000, 36.6720, 40.2560

# Conversions

## Conversions Part 2

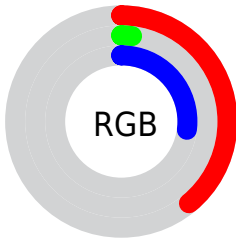
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 4, 68
Decimal	6554692
CIELab	20.88, 43.84, -11.47
CIELCh	21, 45.315, 345.337
Yxy	3.2135, 0.4142, 0.2099
Android (android.graphics.Color)	4284744772 (0xFF640444)
YUV	40.0000, 13.8040, 52.6200
Hunter-Lab	17.9263, 31.7825, -6.4853

# Details

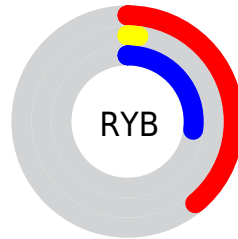
The Hex color **640444** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **046424**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **9A4074**, and **33001A** is the 20% darker color. If you saturate the color by 10%, you get **640043**, and if you desaturate by 10%, it is **640E47**.

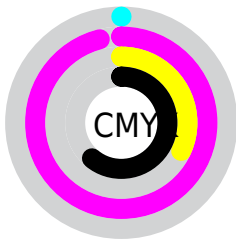
# Distribution



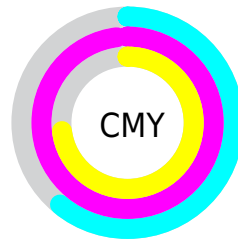
- Red (39%)
- Green (2%)
- Blue (27%)



- Red (39%)
- Yellow (2%)
- Blue (27%)



- Cyan (0%)
- Magenta (96%)
- Yellow (32%)
- Black (61%)



- Cyan (61%)
- Magenta (98%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 640444 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 640444 by changing the saturation by 10% instead.



640444

640444

FFFFFF

4A002E

9A4074

33001A

B65A8E

0C0000

D374A8

000000

F08EC3

FFAADF

FFC6FC

FFE2FF

640444

640444

■ 640043

■ 640E47

■ 64184B

■ 64224E

■ 642C51

■ 643655

■ 644058

■ 644A5B

■ 64545F

■ 645E62

# Harmonies

## Analogous

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



471F62



640444



6B0023

# Triad

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



640444



2F3600



003F62

# Complementary

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



640444



046424

# 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.



004043



640444



003C00

# Square

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



640444



4C2B00



003F20



003B74

# Rectangle

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



640444



66100D



003F20



004058



# Sweetspot

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



640444



825C75



240464



422B3B



C2C2C2



424242



# Same Dimension

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



640444



820057



640414



332E31



73004D



F200A2



# Inverse Universe

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



640444



820057



046454



332E31



73004D

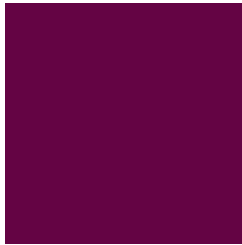


F200A2



# Previews

## White Background



This preview shows how the Hex color 640444 looks on a white background.

## Color Contrast Check

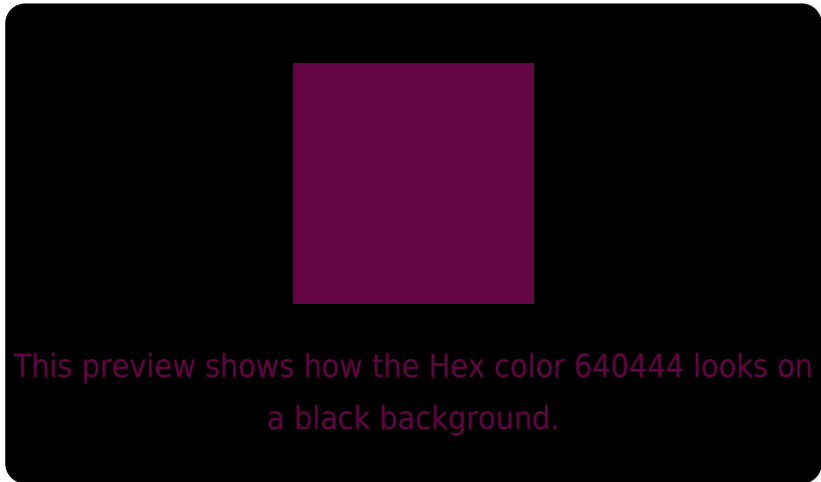
Large Text (above 18pt) WCAG AA ✓ Pass

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

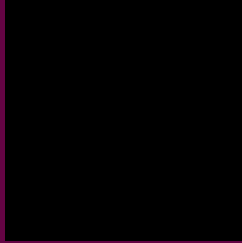
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 640444 Background



This preview shows how black text looks on a background with the Hex color 640444.



This preview shows how white text looks on a background with the Hex color 640444.

# 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**  
640444

**Protanopia**  
203461

**Deuteranopia**  
36343F



# Trichromacy



**Original Color**  
640444

**Protanomaly**  
392356

**Deuteranomaly**  
472341

**Tritanomaly**  
62132B

# Monochromacy



**Original Color**  
640444

**Achromatopsia**  
282828

**Achromatomaly**  
3E1B32

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 640444 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 #640444 looks like.

```
.text, #text, p{  
    color:#640444  
}
```

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 #640444 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #640444
}
```

## Border

The CSS property to change the border of an element to Hex 640444 is called "border". The border property can be set on classes, ids or directly on the HTML element.

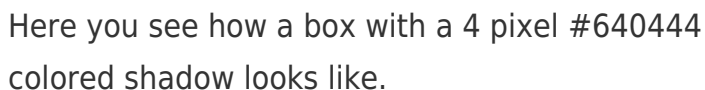
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#640444 }
```

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

```
.border{ border-color:#640444 }
```

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



Here you see how a box with a 4 pixel #640444 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #640444; -webkit-box-shadow:4px 4px  
4px 4px #640444; box-shadow:4px 4px 4px  
4px #640444 }
```

# Background

The CSS property to change the background color of an element to Hex 640444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#640444 }
```

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

```
.background{ background-color:#640444 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor