

# Converting Colors

Hex(640F33)

Have a look what the booklet for  
Hex(640F33) contains.

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# Color

**Hex(640F33)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	640F33
RGB	100, 15, 51
RGB Percent	39%, 6%, 20%
CMY	0.6078, 0.9412, 0.8000
CMYK	0.00, 0.85, 0.49, 0.61
HSL	335°, 74%, 23%
HSV	335°, 85%, 39%
XYZ	6.0239, 3.2900, 3.4495
YIQ	44.5190, 39.1040, 29.2160

# Conversions

## Conversions Part 2

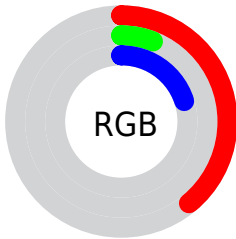
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 15, 51
Decimal	6557491
CIE Lab	21.17, 39.14, 0.80
CIE LCh	21, 39.144, 1.173
Yxy	3.2900, 0.4720, 0.2578
Android (android.graphics.Color)	4284747571 (0xFF640F33)
YUV	44.5190, 3.1951, 48.6568
Hunter-Lab	18.1383, 27.5393, 1.4212

# Details

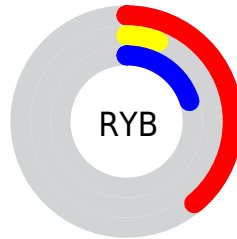
The Hex color **640F33** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **0F6440**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **9B4461**, and **330004** is the 20% darker color. If you saturate the color by 10%, you get **64052D**, and if you desaturate by 10%, it is **641939**.

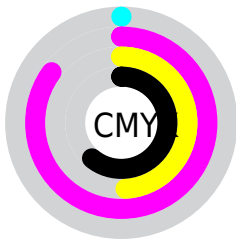
# Distribution



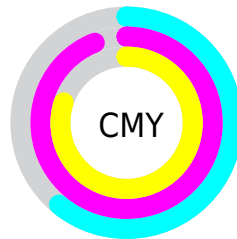
- Red (39%)
- Green (6%)
- Blue (20%)



- Red (39%)
- Yellow (6%)
- Blue (20%)



- Cyan (0%)
- Magenta (85%)
- Yellow (49%)
- Black (61%)



- Cyan (61%)
- Magenta (94%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 640F33 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 640F33 by changing the saturation by 10% instead.



 640F33

 640F33

FFFFFF

 4A001E

 9B4461

 330004

 B75E7A

 030000

 D47894

 000000

 F192AE

 FFAECA

 FFCAE6

 FFE6FF

 640F33

 640F33

■ 64052D

■ 641939

■ 64002A

■ 64233F

■ 642D44

■ 64374A

■ 644150

■ 644B56

■ 64555B

■ 645F61

■ 646967

# Harmonies

## Analogous

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



561B4F



640F33



621717

# Triad

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



640F33



223900



003D65

# Complementary

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



640F33



0F6440

# 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.



003F50



640F33



003E15

# Square

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



640F33



3F3200



003F33



00366D

# Rectangle

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



640F33



5A2101



003F33



003E60



# Sweetspot

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



640F33



82606F



3F0F64



422E36



C2C2C2



424242



# Same Dimension

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



640F33



820037



64150F



332E30



730031



F20067



# Inverse Universe

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



640F33



820037



0F5E64



332E30



730031

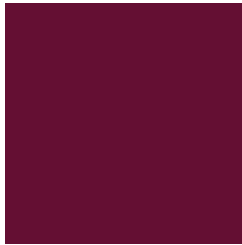


F20067



# Previews

## White Background



This preview shows how the Hex color 640F33 looks on a white background.

## Color Contrast Check

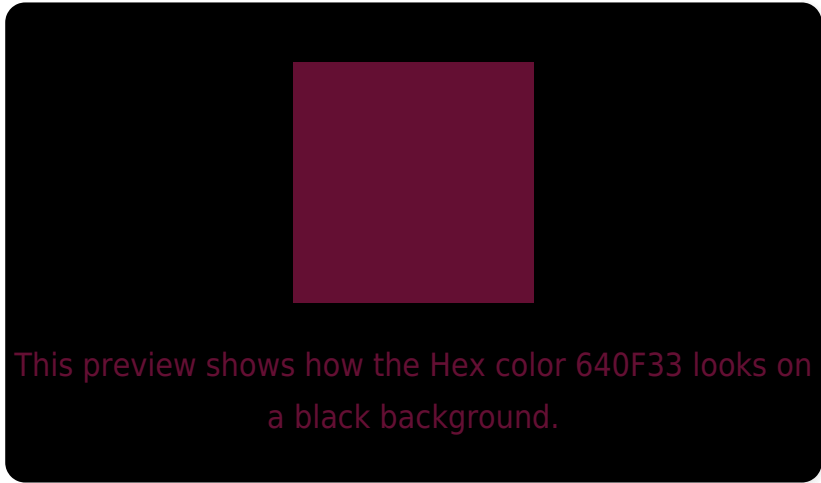
Large Text (above 18pt) WCAG AA ✓ Pass

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 640F33 Background



This preview shows how black text looks on a background with the Hex color 640F33.



This preview shows how white text looks on a background with the Hex color 640F33.

# 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**  
640F33

**Protanopia**  
303547

**Deuteranopia**  
3D332F



**Tritanopia**  
631819

# Trichromacy



**Original Color**  
640F33

**Protanomaly**  
432740

**Deuteranomaly**  
4B2630

**Tritanomaly**  
631522

# Monochromacy



**Original Color**  
640F33

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
41222F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 640F33 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 #640F33 looks like.

```
.text, #text, p{  
    color:#640F33  
}
```

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 #640F33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #640F33
}
```

## Border

The CSS property to change the border of an element to Hex 640F33 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".

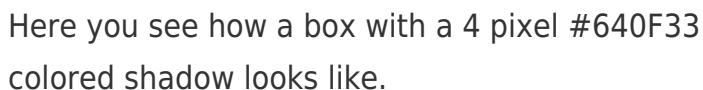
```
.border, #border, table{ border:4px solid
#640F33 }
```

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

```
.border{ border-color:#640F33 }
```

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

Here you see how a box with a 4 pixel #640F33 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #640F33 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #640F33; -webkit-box-shadow:4px 4px  
4px 4px #640F33; box-shadow:4px 4px 4px  
4px #640F33 }
```

# Background

The CSS property to change the background color of an element to Hex 640F33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#640F33 }
```

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

```
.background{ background-color:#640F33 }
```

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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