

# Converting Colors

Hex(680E33)

Have a look what the booklet for  
Hex(680E33) contains.

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# Color

**Hex(680E33)**

# Conversions

## Conversions Part 1

Format	Color
Hex	680E33
RGB	104, 14, 51
RGB Percent	41%, 5%, 20%
CMY	0.5922, 0.9451, 0.8000
CMYK	0.00, 0.87, 0.51, 0.59
HSL	335°, 76%, 23%
HSV	335°, 87%, 41%
XYZ	6.4635, 3.4961, 3.4661
YIQ	45.1280, 41.7630, 30.5870

# Conversions

## Conversions Part 2

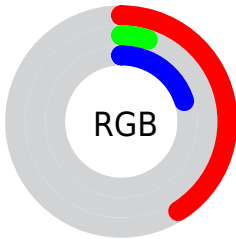
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 14, 51
Decimal	6819379
CIE Lab	21.93, 40.59, 2.01
CIE LCh	22, 40.642, 2.837
Yxy	3.4961, 0.4814, 0.2604
Android (android.graphics.Color)	4285009459 (0xFF680E33)
YUV	45.1280, 2.8949, 51.6307
Hunter-Lab	18.6980, 28.9822, 2.0978

# Details

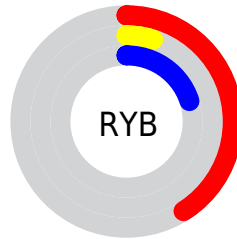
The Hex color **680E33** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **0E6843**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **9F4561**, and **360004** is the 20% darker color. If you saturate the color by 10%, you get **68042D**, and if you desaturate by 10%, it is **681839**.

# Distribution



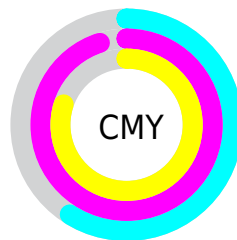
- Red (41%)
- Green (5%)
- Blue (20%)



- Red (41%)
- Yellow (5%)
- Blue (20%)



- Cyan (0%)
- Magenta (87%)
- Yellow (51%)
- Black (59%)



- Cyan (59%)
- Magenta (95%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 680E33 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 680E33 by changing the saturation by 10% instead.



 680E33

 680E33

FFFFFF

 4D001E

 9F4561

 360004

 BC5E7A

 0F0000

 D97894

 000000

 F693AE

 FFAEC9

 FFCAE6

 FFE7FF

 680E33

 680E33

■ 68042D

■ 681839

■ 68002B

■ 68233F

■ 682D45

■ 68384B

■ 684252

■ 684C58

■ 68575E

■ 686164

■ 686C6A

# Harmonies

## Analogous

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



5A1A51



680E33



651816

# Triad

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



680E33



203C00



003F6A

# Complementary

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



680E33



0E6843

# 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.



004155



680E33



004017

# Square

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



680E33



3F3400



004137



003871

# Rectangle

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



680E33



5C2300



004137



004064



# Sweetspot

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



680E33



876472



420E68



453038



C4C4C4



454545



# Same Dimension

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



680E33



870038



68160E



332E30



73002F



F20064



# Inverse Universe

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



680E33



870038



0E6168



332E30



73002F

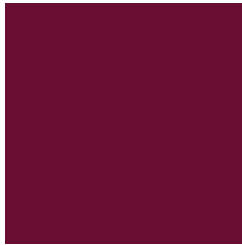


F20064



# Previews

## White Background



This preview shows how the Hex color 680E33 looks on a white background.

## Color Contrast Check

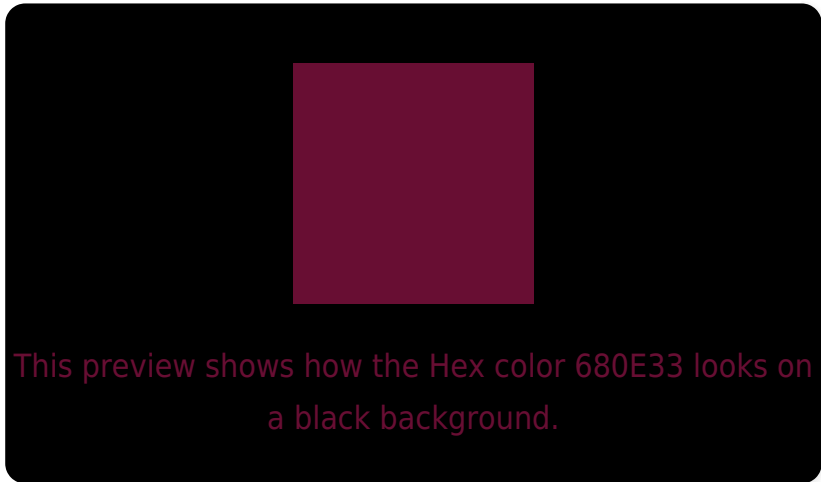
Large Text (above 18pt) WCAG AA ✓ Pass

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 680E33 Background



This preview shows how black text looks on a background with the Hex color 680E33.



This preview shows how white text looks on a background with the Hex color 680E33.

# 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**  
680E33

**Protanopia**  
323648

**Deuteranopia**  
3F352F



# Trichromacy



**Original Color**  
680E33

**Protanomaly**  
462740

**Deuteranomaly**  
4E2730

**Tritanomaly**  
671422

# Monochromacy



**Original Color**  
680E33

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
42222F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 680E33 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 #680E33 looks like.

```
.text, #text, p{  
    color:#680E33  
}
```

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 #680E33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #680E33
}
```

## Border

The CSS property to change the border of an element to Hex 680E33 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".

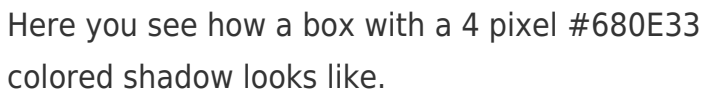
```
.border, #border, table{ border:4px solid
#680E33 }
```

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

```
.border{ border-color:#680E33 }
```

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

Here you see how a box with a 4 pixel #680E33 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The box is white with a thin dark red border on the top and left sides, and a thicker dark red shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #680E33; -webkit-box-shadow:4px 4px  
4px 4px #680E33; box-shadow:4px 4px 4px  
4px #680E33 }
```

# Background

The CSS property to change the background color of an element to Hex 680E33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#680E33 }
```

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

```
.background{ background-color:#680E33 }
```

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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