

# Converting Colors

Hex(680F0D)

Have a look what the booklet for  
Hex(680F0D) contains.

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# Color

**Hex(680F0D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	680F0D
RGB	104, 15, 13
RGB Percent	41%, 6%, 5%
CMY	0.5922, 0.9412, 0.9490
CMYK	0.00, 0.86, 0.87, 0.59
HSL	1°, 78%, 23%
HSV	1°, 88%, 41%
XYZ	5.9524, 3.3138, 0.7067
YIQ	41.3830, 53.6860, 18.2460

# Conversions

## Conversions Part 2

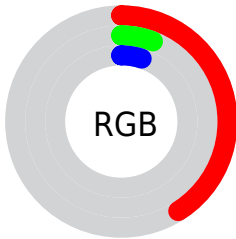
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 15, 13
Decimal	6819597
CIELab	21.26, 37.96, 26.55
CIELCh	21, 46.320, 34.966
Yxy	3.3138, 0.5969, 0.3323
Android (android.graphics.Color)	4285009677 (0xFF680F0D)
YUV	41.3830, -13.9928, 54.9151
Hunter-Lab	18.2037, 26.5107, 10.4410

# Details

The Hex color **680F0D** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **0D6668**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **A14438**, and **330001** is the 20% darker color. If you saturate the color by 10%, you get **680503**, and if you desaturate by 10%, it is **681917**.

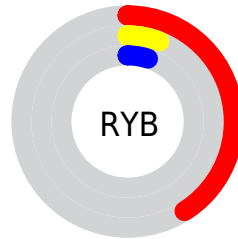
# Distribution



Red (41%)

Green (6%)

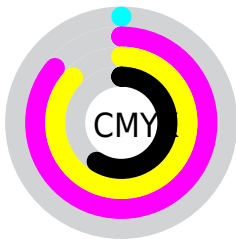
Blue (5%)



Red (41%)

Yellow (6%)

Blue (5%)

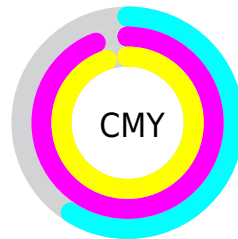


Cyan (0%)

Magenta (86%)

Yellow (87%)

Black (59%)



Cyan (59%)

Magenta (94%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 680F0D 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 680F0D by changing the saturation by 10% instead.



 680F0D

 680F0D

 FFFFED

 4C0000

 A14438

 330001

 BF5D4F

 010000

 DD7767

 000000

 FB9280

 FFAD9A

 FFC9B5

 FFE5D1

 680F0D

 680F0D

■ 680503

■ 681917

■ 680200

■ 682322

■ 682E2C

■ 683837

■ 684241

■ 684C4B

■ 685656

■ 686060

■ 686B6B

# Harmonies

## Analogous

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



6D002F



680F0D



562600

# Triad

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



680F0D



003F13



003678

# Complementary

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



680F0D



0D6668

# 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.



003E72



680F0D



004138

# Square

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



680F0D



173B00



00415A



37276C

# Rectangle

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



680F0D



453000



00415A



003978



# Sweetspot

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



680F0D



876564



680D66



453030



C4C4C4



454545



# Same Dimension

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



680F0D



870300



683C0D



332E2E



730300



F20500



# Inverse Universe

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



0D6668



008487



0D3968



2E3333



007073

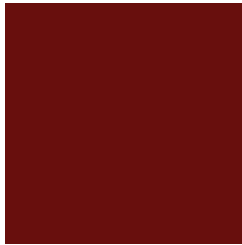


00EDF2



# Previews

## White Background



This preview shows how the Hex color 680F0D 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 680F0D Background



This preview shows how black text looks on a background with the Hex color 680F0D.

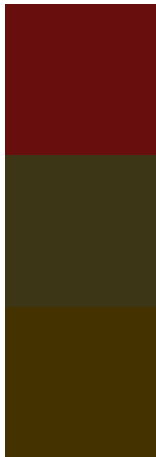


This preview shows how white text looks on a background with the Hex color 680F0D.

# 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



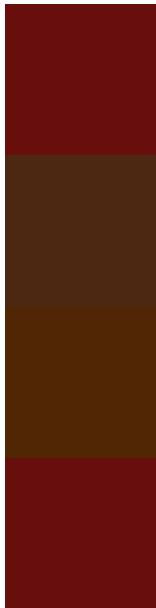
**Original Color**  
680F0D

**Protanopia**  
3C3616

**Deuteranopia**  
443300



# Trichromacy



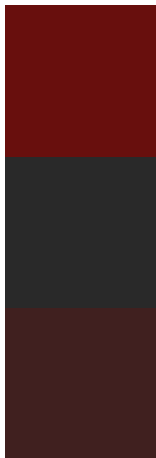
**Original Color**  
680F0D

**Protanomaly**  
4C2813

**Deuteranomaly**  
512605

**Tritanomaly**  
680F0D

# Monochromacy



**Original Color**  
680F0D

**Achromatopsia**  
292929

**Achromatomaly**  
40201F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 680F0D 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 #680F0D looks like.

```
.text, #text, p{  
    color:#680F0D  
}
```

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 #680F0D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #680F0D }  
}
```

## Border

The CSS property to change the border of an element to Hex 680F0D 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".

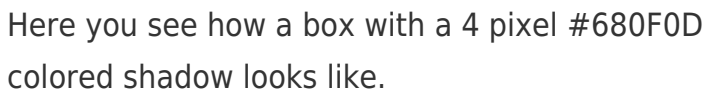
```
.border, #border, table{ border:4px solid #680F0D }  
}
```

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

```
.border{ border-color:#680F0D }
```

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

Here you see how a box with a 4 pixel #680F0D 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 #680F0D colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #680F0D; -webkit-box-shadow:4px 4px  
4px 4px #680F0D; box-shadow:4px 4px 4px  
4px #680F0D }
```

# Background

The CSS property to change the background color of an element to Hex 680F0D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#680F0D }
```

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

```
.background{ background-color:#680F0D }
```

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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