

# Converting Colors

Hex(68010D)

Have a look what the booklet for  
Hex(68010D) contains.

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# Color

**Hex(68010D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	68010D
RGB	104, 1, 13
RGB Percent	41%, 0%, 5%
CMY	0.5922, 0.9961, 0.9490
CMYK	0.00, 0.99, 0.87, 0.59
HSL	353°, 98%, 21%
HSV	353°, 99%, 41%
XYZ	5.7924, 2.9938, 0.6533
YIQ	33.1650, 57.5360, 25.5680

# Conversions

## Conversions Part 2

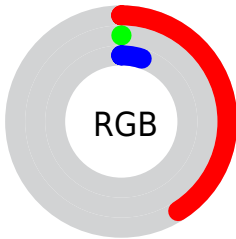
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 1, 13
Decimal	6816013
CIE <sub>Lab</sub>	20.02, 41.51, 25.17
CIE <sub>LCh</sub>	20, 48.544, 31.233
Yxy	2.9938, 0.6136, 0.3172
Android (android.graphics.Color)	4285006093 (0xFF68010D)
YUV	33.1650, -9.9413, 62.1223
Hunter-Lab	17.3027, 29.4768, 9.8731

# Details

The Hex color **68010D** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **01685C**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **A23D38**, and **330002** is the 20% darker color. If you saturate the color by 10%, you get **68000C**, and if you desaturate by 10%, it is **680B16**.

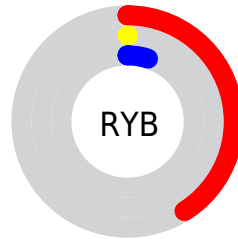
# Distribution



Red (41%)

Green (0%)

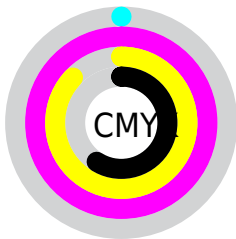
Blue (5%)



Red (41%)

Yellow (0%)

Blue (5%)

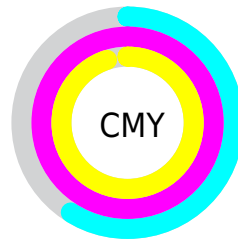


Cyan (0%)

Magenta (99%)

Yellow (87%)

Black (59%)



Cyan (59%)

Magenta (100%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68010D 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 68010D by changing the saturation by 10% instead.



 68010D

 68010D

 FFFCED

 4C0000

 A23D38

 330002

 BF574F

 000000

 DD7167

 FC8B80

 FFA69A

 FFC2B5

 FFD0D0

 68010D

 68010D

■ 68000C

■ 680B16

■ 68161F

■ 682029

■ 682B32

■ 68353B

■ 683F44

■ 684A4D

■ 685457

■ 685F60

# Harmonies

## Analogous

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



6B0031



68010D



572000

# Triad

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



68010D



003D09



003579

# Complementary

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



68010D



01685C

# 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.



003C6F



68010D



003E31

# Square

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



68010D



163800



003F55



2A266E

# Rectangle

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



68010D



452B00



003F55



003878



# Sweetspot

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



68010D



875F63



5C0168



452C2F



C4C4C4



454545



# Same Dimension

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



68010D



870010



682801



332E2E



73000D



F2001C



# Inverse Universe

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



68010D



870010



014168



332E2E



73000D

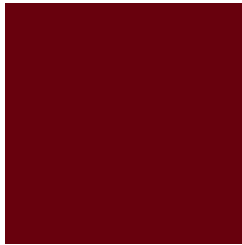


F2001C



# Previews

## White Background



This preview shows how the Hex color 68010D 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

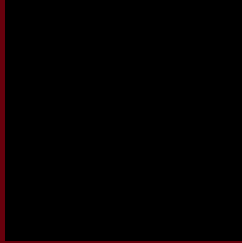
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 68010D Background



This preview shows how black text looks on a background with the Hex color 68010D.



This preview shows how white text looks on a background with the Hex color 68010D.

# 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**  
68010D

**Protanopia**  
3A3516

**Deuteranopia**  
423200



**Tritanopia**  
670900

# Trichromacy



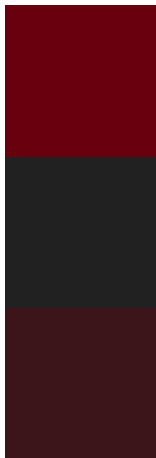
**Original Color**  
68010D

**Protanomaly**  
4B2213

**Deuteranomaly**  
502005

**Tritanomaly**  
670605

# Monochromacy



**Original Color**  
68010D

**Achromatopsia**  
212121

**Achromatomaly**  
3B151A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68010D 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 #68010D looks like.

```
.text, #text, p{  
    color:#68010D  
}
```

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 #68010D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68010D }
}
```

## Border

The CSS property to change the border of an element to Hex 68010D is called "border". The border property can be set on classes, ids or directly on the HTML element.

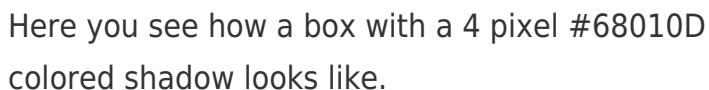
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #68010D }
}
```

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

```
.border{ border-color:#68010D }
```

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



Here you see how a box with a 4 pixel #68010D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68010D; -webkit-box-shadow:4px 4px  
4px 4px #68010D; box-shadow:4px 4px 4px  
4px #68010D }
```

# Background

The CSS property to change the background color of an element to Hex 68010D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68010D }
```

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

```
.background{ background-color:#68010D }
```

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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