

# Converting Colors

Hex(6B250A)

Have a look what the booklet for  
Hex(6B250A) contains.

<b>Hex(6B250A)</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(6B250A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6B250A
RGB	107, 37, 10
RGB Percent	42%, 15%, 4%
CMY	0.5804, 0.8549, 0.9608
CMYK	0.00, 0.65, 0.91, 0.58
HSL	17°, 83%, 23%
HSV	17°, 91%, 42%
XYZ	6.7798, 4.4709, 0.7928
YIQ	54.8520, 50.3870, 6.4430

# Conversions

## Conversions Part 2

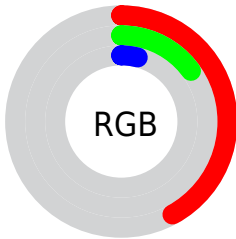
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	107, 47, 10
Decimal	7021834
CIE Lab	25.17, 29.90, 32.06
CIE LCh	25, 43.839, 46.993
Yxy	4.4709, 0.5629, 0.3712
Android (android.graphics.Color)	4285211914 (0xFF6B250A)
YUV	54.8520, -22.1120, 45.7338
Hunter-Lab	21.1444, 20.2318, 12.5780

# Details

The Hex color **6B250A** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **0A506B**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **A45537**, and **350000** is the 20% darker color. If you saturate the color by 10%, you get **6B1E00**, and if you desaturate by 10%, it is **6B2D15**.

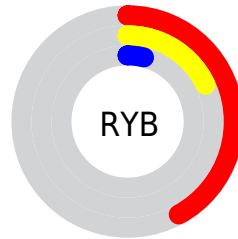
# Distribution



Red (42%)

Green (15%)

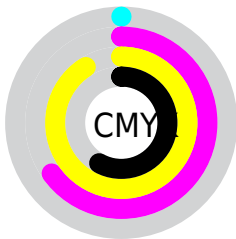
Blue (4%)



Red (42%)

Yellow (18%)

Blue (4%)

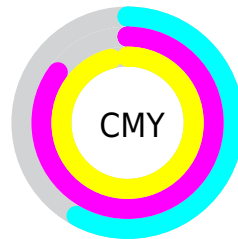


Cyan (0%)

Magenta (65%)

Yellow (91%)

Black (58%)



Cyan (58%)

Magenta (85%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6B250A 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 6B250A by changing the saturation by 10% instead.



 6B250A

 6B250A

 FFFFED

 500C00

 A45537

 350000

 C16E4E

 140000

 DF8866

 000000

 FDA380

 FFBE9A

 FFDAB5

 FFF7D1

 6B250A

 6B250A

■ 6B1E00

■ 6B2D15

■ 6B341F

■ 6B3C2A

■ 6B4435

■ 6B4C40

■ 6B534A

■ 6B5B55

■ 6B6360

■ 6B6A6A

# Harmonies

## Analogous

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



75142B



6B250A



563500

# Triad

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



6B250A



00492C



0B397C

# Complementary

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



6B250A



0A506B

# 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.



00447D



6B250A



004A4E

# Square

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



6B250A



084607



00496C



542969

# Rectangle

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



6B250A



433D00



00496C



003D7E



# Sweetspot

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



6B250A



8C7166



6B0A51



473731



C7C7C7



474747



# Same Dimension

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



6B250A



8C2700



6B540A



363230



752100



F54400



# Inverse Universe

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



0A506B



00658C



0A216B



303436



005575



00B1F5



# Previews

## White Background



This preview shows how the Hex color 6B250A looks on a white background.

## Color Contrast Check

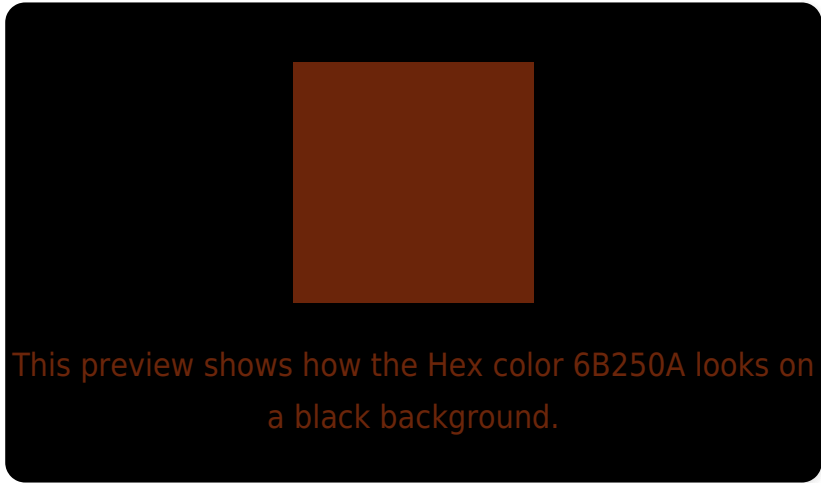
Large Text (above 18pt) WCAG AA ✓ Pass

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

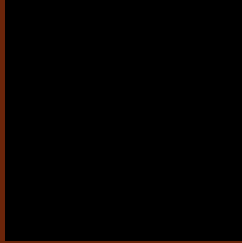
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 6B250A Background



This preview shows how black text looks on a background with the Hex color 6B250A.



This preview shows how white text looks on a background with the Hex color 6B250A.

# 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**  
6B250A

**Protanopia**  
453D10

**Deuteranopia**  
4D3A00



**Tritanopia**  
6C2324

# Trichromacy



**Original Color**  
6B250A

**Protanomaly**  
53340E

**Deuteranomaly**  
583204

**Tritanomaly**  
6C241B

# Monochromacy



**Original Color**  
6B250A

**Achromatopsia**  
373737

**Achromatomaly**  
4A3027

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6B250A 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 #6B250A looks like.

```
.text, #text, p{  
    color:#6B250A  
}
```

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 #6B250A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6B250A }  
}
```

## Border

The CSS property to change the border of an element to Hex 6B250A 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".

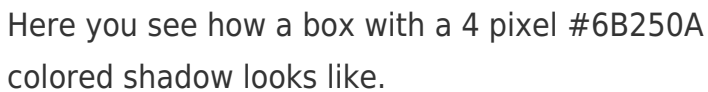
```
.border, #border, table{ border:4px solid #6B250A }  
}
```

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

```
.border{ border-color:#6B250A }
```

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

Here you see how a box with a 4 pixel #6B250A colored shadow looks like.

A rectangular box with a dark brown border and a dark brown shadow. The shadow is cast to the right and bottom of the box, giving it a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #6B250A colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6B250A; -webkit-box-shadow:4px 4px  
4px 4px #6B250A; box-shadow:4px 4px 4px  
4px #6B250A }
```

# Background

The CSS property to change the background color of an element to Hex 6B250A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6B250A }
```

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

```
.background{ background-color:#6B250A }
```

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