

# Converting Colors

Hex(4B0012)

Have a look what the booklet for  
Hex(4B0012) contains.

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**Color**

**Hex(4B0012)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4B0012
RGB	75, 0, 18
RGB Percent	29%, 0%, 7%
CMY	0.7059, 1.0000, 0.9294
CMYK	0.00, 1.00, 0.76, 0.71
HSL	346°, 100%, 15%
HSV	346°, 100%, 29%
XYZ	3.0108, 1.5395, 0.7107
YIQ	24.4770, 38.9220, 21.4980

# Conversions

## Conversions Part 2

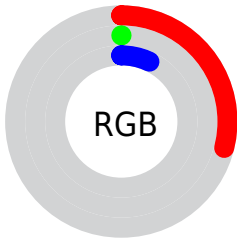
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	75, 0, 18
Decimal	4915218
CIE Lab	12.86, 33.82, 12.00
CIE LCh	13, 35.887, 19.538
Yxy	1.5395, 0.5723, 0.2926
Android (android.graphics.Color)	4283105298 (0xFF4B0012)
YUV	24.4770, -3.1932, 44.3087
Hunter-Lab	12.4078, 21.6007, 5.2892

# Details

The Hex color **4B0012** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **004B39**, and the grayscale version is **181818**.

A 20% lighter version of the original color is **81343C**, and **080000** is the 20% darker color. If you saturate the color by 10%, you get **4B0012**, and if you desaturate by 10%, it is **4B0718**.

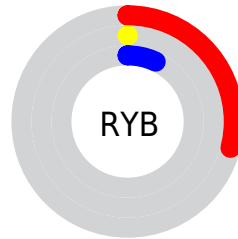
# Distribution



Red (29%)

Green (0%)

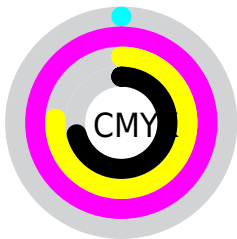
Blue (7%)



Red (29%)

Yellow (0%)

Blue (7%)

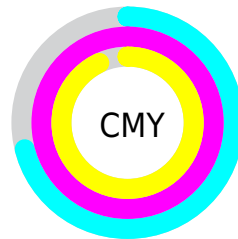


Cyan (0%)

Magenta (100%)

Yellow (76%)

Black (71%)



Cyan (71%)

Magenta (100%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B0012 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 4B0012 by changing the saturation by 10% instead.




 4B0012

 4B0012

 FFEEF1

 330000

 81343C

 080000

 9D4D53

 000000

 B9666B

 D68084

 F49B9E

 FFB6B9

 FFD2D5

 4B0012

■ 4B0718

■ 4B0F1D

■ 4B1723

■ 4B1E29

■ 4B262E

■ 4B2D34

■ 4B353A

■ 4B3C40

■ 4B4445

# Harmonies

## Analogous

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



48002B



4B0012



431000

# Triad

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



4B0012



002900



002753

# Complementary

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



4B0012



004B39

# 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.



002B47



4B0012



002B17

# Square

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



4B0012



1C2500



002C31



001F51

# Rectangle

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



4B0012



381900



002C31



002950



# Sweetspot

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



4B0012



61444B



38004B



301F23



B0B0B0



303030



# Same Dimension

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



4B0012



610017



4B1300



262223



660018



E60037



# Inverse Universe

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



4B0012



610017



00384B



262223



660018

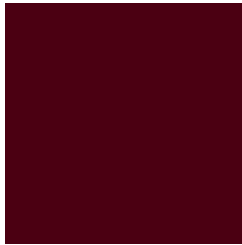


E60037



# Previews

## White Background



This preview shows how the Hex color 4B0012 looks on a white background.

## Color Contrast Check

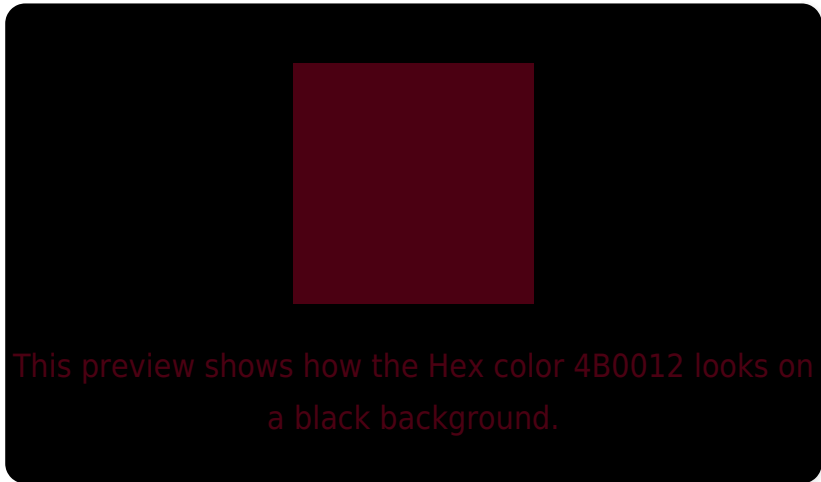
Large Text (above 18pt) WCAG AA ✓ Pass

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

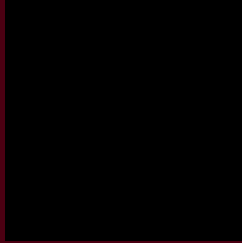
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4B0012 Background



This preview shows how black text looks on a background with the Hex color 4B0012.



This preview shows how white text looks on a background with the Hex color 4B0012.

# 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**  
4B0012

**Protanopia**  
29261B

**Deuteranopia**  
30240E



**Tritanopia**  
4B0704

# Trichromacy



**Original Color**  
4B0012

**Protanomaly**  
351818

**Deuteranomaly**  
3A170F

**Tritanomaly**  
4B0409

# Monochromacy



**Original Color**  
4B0012

**Achromatopsia**  
181818

**Achromatomaly**  
2B0F16

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B0012 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 #4B0012 looks like.

```
.text, #text, p{  
    color:#4B0012  
}
```

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 #4B0012 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B0012
}
```

## Border

The CSS property to change the border of an element to Hex 4B0012 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".

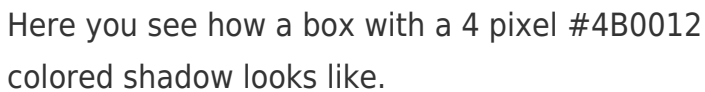
```
.border, #border, table{ border:4px solid
#4B0012 }
```

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

```
.border{ border-color:#4B0012 }
```

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

Here you see how a box with a 4 pixel #4B0012 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 #4B0012 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B0012; -webkit-box-shadow:4px 4px  
4px 4px #4B0012; box-shadow:4px 4px 4px  
4px #4B0012 }
```

# Background

The CSS property to change the background color of an element to Hex 4B0012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B0012 }
```

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

```
.background{ background-color:#4B0012 }
```

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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