

# Converting Colors

Hex(46000A)

Have a look what the booklet for  
Hex(46000A) contains.

<b>Hex(46000A)</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(46000A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46000A
RGB	70, 0, 10
RGB Percent	27%, 0%, 4%
CMY	0.7255, 1.0000, 0.9608
CMYK	0.00, 1.00, 0.86, 0.73
HSL	351°, 100%, 14%
HSV	351°, 100%, 27%
XYZ	2.5806, 1.3240, 0.4067
YIQ	22.0700, 38.5100, 17.9500

# Conversions

## Conversions Part 2

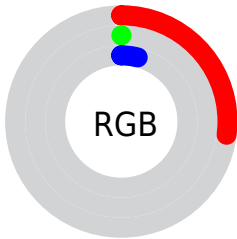
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 0, 10
Decimal	4587530
CIE <sub>Lab</sub>	11.44, 31.99, 13.91
CIE <sub>LCh</sub>	11, 34.886, 23.500
Yxy	1.3240, 0.5986, 0.3071
Android (android.graphics.Color)	4282777610 (0xFF46000A)
YUV	22.0700, -5.9505, 42.0346
Hunter-Lab	11.5065, 19.8958, 5.9589

# Details

The Hex color **46000A** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **00463C**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **7B3336**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **46000A**, and if you desaturate by 10%, it is **460710**.

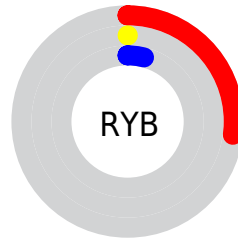
# Distribution



Red (27%)

Green (0%)

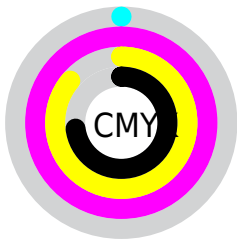
Blue (4%)



Red (27%)

Yellow (0%)

Blue (4%)

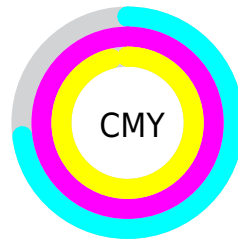


Cyan (0%)

Magenta (100%)

Yellow (86%)

Black (73%)



Cyan (73%)

Magenta (100%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46000A 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 46000A by changing the saturation by 10% instead.



 46000A

 46000A

 FFECEA

 2F0001

 7B3336

 000000

 974B4C

 B36464

 D07E7D

 EE9897

 FFB3B2

 FFCFCD

 46000A

■ 460710

■ 460E16

■ 46151C

■ 461C22

■ 462328

■ 462A2E

■ 463134

■ 46383A

■ 463F40

# Harmonies

## Analogous

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



450025



46000A



3C1000

# Triad

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



46000A



002600



00234F

# Complementary

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



46000A



00463C

# 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.



002745



46000A



002918

# Square

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



46000A



152300



002931



091A4B

# Rectangle

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



46000A



321800



002931



00254D



# Sweetspot

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



46000A



5C4044



3B0046



2E1D20



ADADAD



2E2E2E



# Same Dimension

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



46000A



5C000D



461900



242021



63000E



E30020



# Inverse Universe

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



46000A



5C000D



002E46



242021



63000E

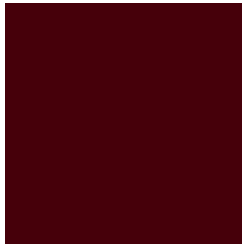


E30020



# Previews

## White Background



This preview shows how the Hex color 46000A looks on a white background.

## Color Contrast Check

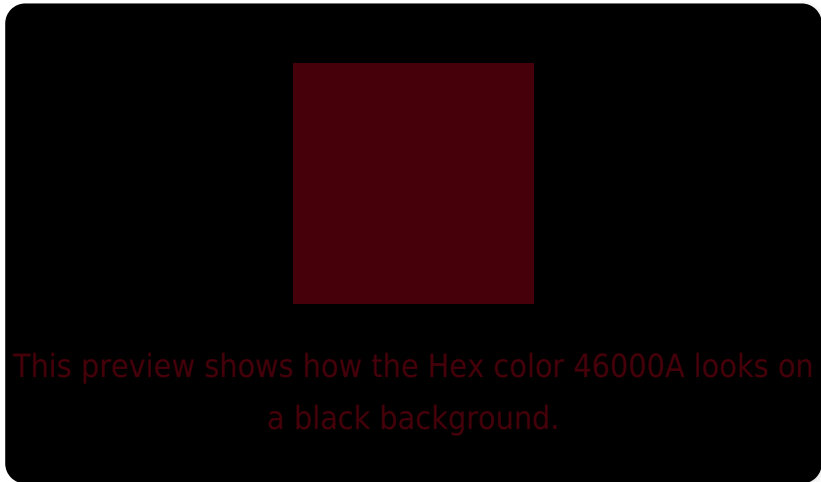
Large Text (above 18pt) WCAG AA ✓ Pass

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

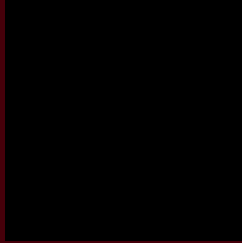
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 46000A Background



This preview shows how black text looks on a background with the Hex color 46000A.

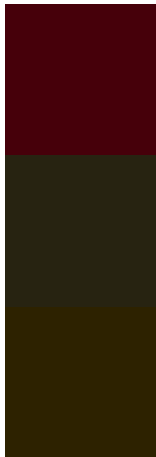


This preview shows how white text looks on a background with the Hex color 46000A.

# 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**  
46000A

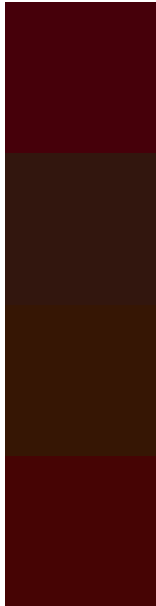
**Protanopia**  
272311

**Deuteranopia**  
2D2200



**Tritanopia**  
460600

# Trichromacy



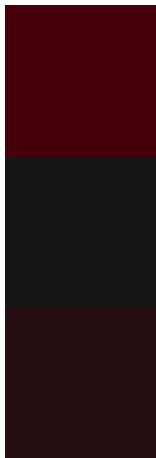
**Original Color**  
46000A

**Protanomaly**  
32160E

**Deuteranomaly**  
361604

**Tritanomaly**  
460404

# Monochromacy



**Original Color**  
46000A

**Achromatopsia**  
161616

**Achromatomaly**  
270E12

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46000A 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 #46000A looks like.

```
.text, #text, p{  
    color:#46000A  
}
```

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 #46000A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46000A
}
```

## Border

The CSS property to change the border of an element to Hex 46000A is called "border". The border property can be set on classes, ids or directly on the HTML element.

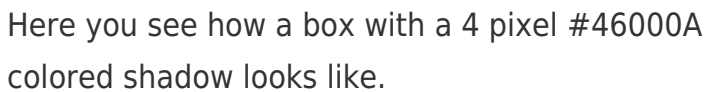
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#46000A }
```

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

```
.border{ border-color:#46000A }
```

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



Here you see how a box with a 4 pixel #46000A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46000A; -webkit-box-shadow:4px 4px  
4px 4px #46000A; box-shadow:4px 4px 4px  
4px #46000A }
```

# Background

The CSS property to change the background color of an element to Hex 46000A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46000A }
```

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

```
.background{ background-color:#46000A }
```

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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