

# Converting Colors

Hex(463C13)

Have a look what the booklet for  
Hex(463C13) contains.

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**Color**

**Hex(463C13)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 463C13                     |
| RGB           | 70, 60, 19                 |
| RGB Percent   | 27%, 24%, 7%               |
| CMY           | 0.7255, 0.7647, 0.9255     |
| CMYK          | 0.00, 0.14, 0.73, 0.73     |
| HSL           | 48°, 57%, 17%              |
| HSV           | 48°, 73%, 27%              |
| XYZ           | 4.2592, 4.5808, 1.2758     |
| YIQ           | 58.3160, 19.1210, -10.6310 |

# Conversions

## Conversions Part 2

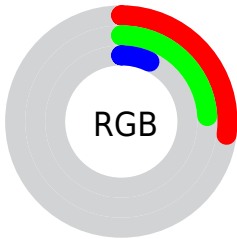
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 31, 70, 19                    |
| Decimal                             | 4602899                       |
| CIE <sub>Lab</sub>                  | 25.51, -1.31, 26.14           |
| CIE <sub>LCh</sub>                  | 26, 26.168, 92.863            |
| Yxy                                 | 4.5808, 0.4210,<br>0.4528     |
| Android<br>(android.graphics.Color) | 4282792979<br>(0xFF463C13)    |
| YUV                                 | 58.3160, -19.3828,<br>10.2469 |
| Hunter-Lab                          | 21.4029, -1.9334,<br>11.4478  |

# Details

The Hex color **463C13** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **131D46**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **786B40**, and **171200** is the 20% darker color. If you saturate the color by 10%, you get **463B0C**, and if you desaturate by 10%, it is **463D1A**.

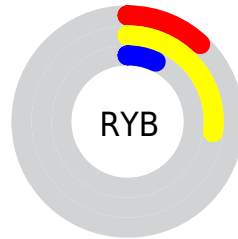
# Distribution



 Red (27%)

 Green (24%)

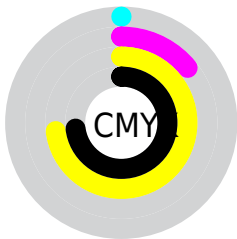
 Blue (7%)



 Red (12%)

 Yellow (27%)

 Blue (7%)

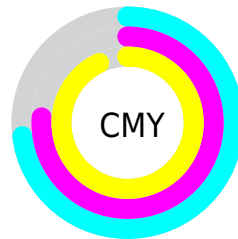


 Cyan (0%)

 Magenta (14%)

 Yellow (73%)

 Black (73%)



 Cyan (73%)

 Magenta (76%)

 Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 463C13 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 463C13 by changing the saturation by 10% instead.





463C13



463C13



FFFFFF8



2F2600



786B40



171200



938457



000000



AE9E70



CAB98A



E6D5A4



FFF1C0



FFFFDC



463C13



463C13

■ 463B0C

■ 463D1A

■ 463905

■ 463F21

■ 463800

■ 464028

■ 46412F

■ 464336

■ 46443D

■ 464644

■ 46474B

■ 464852

# Harmonies

## Analogous

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



563519



463C13



32421A

# Triad

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



463C13



004651



562F4F

# Complementary

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



463C13



131D46

# 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.



40365E



463C13



00435F

# Square

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



463C13



00463E



1A3E64



612B3B

# Rectangle

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



463C13



214424



1A3E64



503155



# Sweetspot

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



463C13



5C5848



46131D



2E2C22



ADADAD



2E2E2E



# Same Dimension

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



463C13



5C4C0C



374613



242320



635000



E3B600



# Inverse Universe

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



131D46



0C1C5C



221346



202124



001463

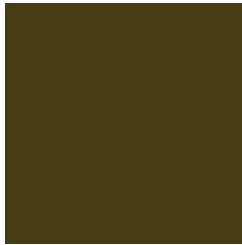


002DE3



# Previews

## White Background



This preview shows how the Hex color 463C13 looks on a white background.

## Color Contrast Check

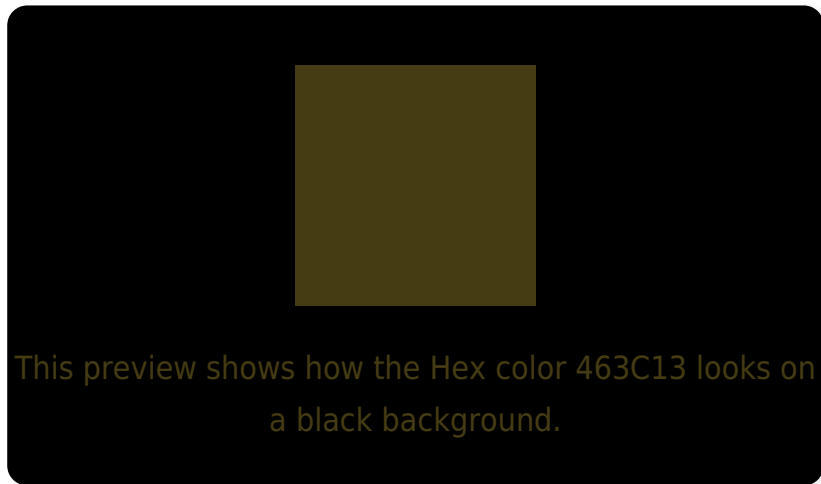
Large Text (above 18pt) WCAG AA ✓ Pass

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

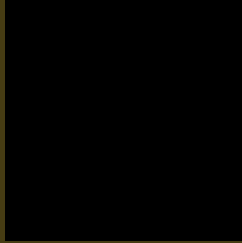
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 463C13 Background



This preview shows how black text looks on a background with the Hex color 463C13.

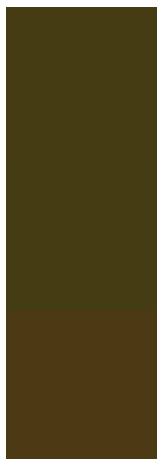


This preview shows how white text looks on a background with the Hex color 463C13.

# 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](#).

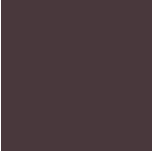
## Dichromacy



**Original Color**  
463C13

**Protanopia**  
443D13

**Deuteranopia**  
4C3A14



**Tritanopia**  
49383C

# Trichromacy



**Original Color**  
463C13

**Protanomaly**  
453D13

**Deuteranomaly**  
4A3B14

**Tritanomaly**  
48392D

# Monochromacy



**Original Color**  
463C13

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
3E3B2C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 463C13 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 #463C13 looks like.

```
.text, #text, p{  
    color:#463C13  
}
```

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 #463C13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #463C13
}
```

## Border

The CSS property to change the border of an element to Hex 463C13 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
#463C13 }
```

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

```
.border{ border-color:#463C13 }
```

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

Here you see how a box with a 4 pixel #463C13 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #463C13; -webkit-box-shadow:4px 4px  
4px 4px #463C13; box-shadow:4px 4px 4px  
4px #463C13 }
```

# Background

The CSS property to change the background color of an element to Hex 463C13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#463C13 }
```

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

```
.background{ background-color:#463C13 }
```

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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