

# Converting Colors

Hex(453B31)

Have a look what the booklet for  
Hex(453B31) contains.

<b>Hex(453B31)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(453B31)

# Conversions

## Conversions Part 1

Format	Color
Hex	453B31
RGB	69, 59, 49
RGB Percent	27%, 23%, 19%
CMY	0.7294, 0.7686, 0.8078
CMYK	0.00, 0.14, 0.29, 0.73
HSL	30°, 17%, 23%
HSV	30°, 29%, 27%
XYZ	4.5726, 4.6149, 3.5555
YIQ	60.8500, 9.1700, -0.9900

# Conversions

## Conversions Part 2

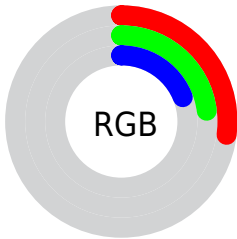
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 69, 49
Decimal	4537137
CIELab	25.61, 2.50, 7.81
CIElCh	26, 8.204, 72.231
Yxy	4.6149, 0.3588, 0.3622
Android (android.graphics.Color)	4282727217 (0xFF453B31)
YUV	60.8500, -5.8420, 7.1476
Hunter-Lab	21.4823, 0.4004, 5.2246

# Details

The Hex color **453B31** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **313B45**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **766A5F**, and **1B1002** is the 20% darker color. If you saturate the color by 10%, you get **45382A**, and if you desaturate by 10%, it is **453E38**.

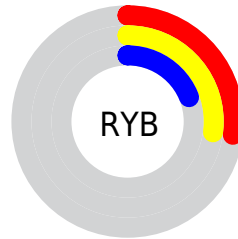
# Distribution



Red (27%)

Green (23%)

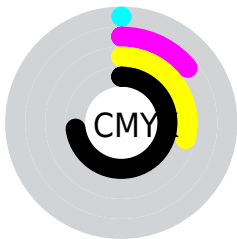
Blue (19%)



Red (27%)

Yellow (27%)

Blue (19%)

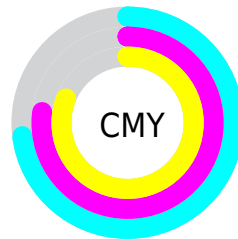


Cyan (0%)

Magenta (14%)

Yellow (29%)

Black (73%)



Cyan (73%)

Magenta (77%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 453B31 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 453B31 by changing the saturation by 10% instead.





453B31



453B31

FFFFFF



2E251C



766A5F



1B1002



8F8378



000000



AA9D92



C5B8AC



E1D4C7



FEF0E3



453B31



453B31



45382A



453E38

■ 453423

■ 45423F

■ 45311C

■ 454546

■ 452D15

■ 45494D

■ 452A0F

■ 454C54

■ 452608

■ 45505A

■ 452301

■ 455361

■ 452300

■ 455768

■ 455A6F

# Harmonies

## Analogous

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



493935



453B31



3F3D31

# Triad

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



453B31



2D403F



413A46

# Complementary

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



453B31



313B45

# 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.



393C49



453B31



2D4045

# Square

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



453B31



314039



313E48



473941

# Rectangle

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



453B31



3A3E32



313E48



3E3B47



# Sweetspot

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



453B31



595551



45313B



2E2B29



ADADAD



2E2E2E



# Same Dimension

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



453B31



594A3A



454531



242220



633200



E37100



# Inverse Universe

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



313B45



3A4A59



313145



202224



003263

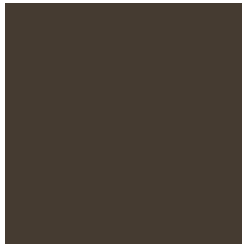


0071E3



# Previews

## White Background



This preview shows how the Hex color 453B31 looks on a white background.

## Color Contrast Check

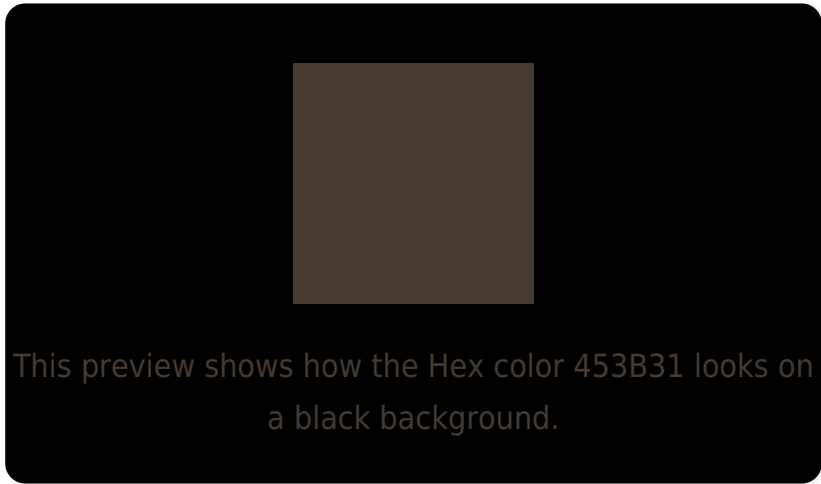
Large Text (above 18pt) WCAG AA ✓ Pass

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

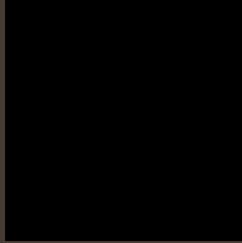
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 453B31 Background



This preview shows how black text looks on a background with the Hex color 453B31.



This preview shows how white text looks on a background with the Hex color 453B31.

# 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](#).

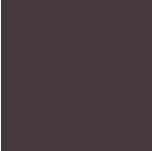
## Dichromacy



**Original Color**  
453B31

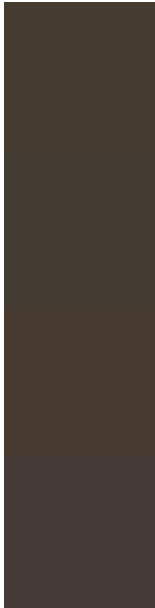
**Protanopia**  
403D32

**Deuteranopia**  
473A31



**Tritanopia**  
46393E

# Trichromacy



**Original Color**  
453B31

**Protanomaly**  
423C32

**Deuteranomaly**  
463A31

**Tritanomaly**  
463A39

# Monochromacy



**Original Color**  
453B31

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
403C39

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 453B31 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 #453B31 looks like.

```
.text, #text, p{  
    color:#453B31  
}
```

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 #453B31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #453B31
}
```

## Border

The CSS property to change the border of an element to Hex 453B31 is called "border". The border property can be set on classes, ids or directly on the HTML element.

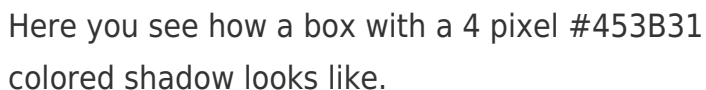
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#453B31 }
```

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

```
.border{ border-color:#453B31 }
```

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

A rectangular box with a dark blue shadow. The box is white with a thin black border. The shadow is a dark blue color, matching the #453B31 color mentioned in the text. The shadow is applied to the bottom and right sides of the box, creating a 3D effect.

Here you see how a box with a 4 pixel #453B31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #453B31; -webkit-box-shadow:4px 4px  
4px 4px #453B31; box-shadow:4px 4px 4px  
4px #453B31 }
```

# Background

The CSS property to change the background color of an element to Hex 453B31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#453B31 }
```

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

```
.background{ background-color:#453B31 }
```

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