

# Converting Colors

Hex(451B20)

Have a look what the booklet for  
Hex(451B20) contains.

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**Color**

**Hex(451B20)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	451B20
RGB	69, 27, 32
RGB Percent	27%, 11%, 13%
CMY	0.7294, 0.8941, 0.8745
CMYK	0.00, 0.61, 0.54, 0.73
HSL	353°, 44%, 19%
HSV	353°, 61%, 27%
XYZ	3.1069, 2.1534, 1.6184
YIQ	40.1280, 23.4270, 10.4590

# Conversions

## Conversions Part 2

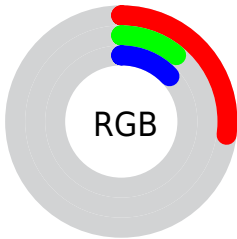
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 27, 32
Decimal	4528928
CIELab	16.27, 20.76, 6.47
CIElCh	16, 21.749, 17.301
Yxy	2.1534, 0.4517, 0.3131
Android (android.graphics.Color)	4282719008 (0xFF451B20)
YUV	40.1280, -4.0071, 25.3207
Hunter-Lab	14.6743, 12.1124, 3.7331

# Details

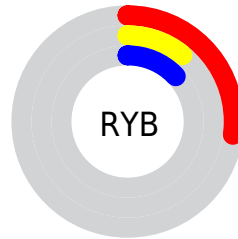
The Hex color **451B20** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **1B4540**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **78484C**, and **0C0000** is the 20% darker color. If you saturate the color by 10%, you get **45141A**, and if you desaturate by 10%, it is **452226**.

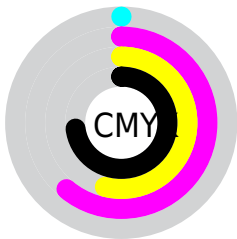
# Distribution



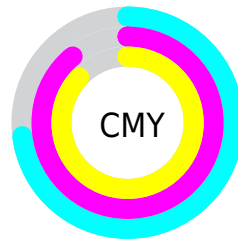
- Red (27%)
- Green (11%)
- Blue (13%)



- Red (27%)
- Yellow (11%)
- Blue (13%)



- Cyan (0%)
- Magenta (61%)
- Yellow (54%)
- Black (73%)



- Cyan (73%)
- Magenta (89%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 451B20 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 451B20 by changing the saturation by 10% instead.





451B20



451B20

FFFFFF



2E0508



78484C



0C0000



926064



000000



AD797D



C99396



E6AEB1



FFCACC



FFE6E9



451B20



451B20

■ 45141A

■ 452226

■ 450D14

■ 45292C

■ 45060E

■ 453032

■ 450008

■ 453738

■ 453E3E

■ 454444

■ 454B4B

■ 455251

■ 455957

# Harmonies

## Analogous

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



411B30



451B20



411F12

# Triad

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



451B20



162E12



002C46

# Complementary

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



451B20



1B4540

# 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.



002F3F



451B20



003021

# Square

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



451B20



292A07



003031



1E2746

# Rectangle

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



451B20



3B2309



003031



002D45



# Sweetspot

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



451B20



59494B



3F1B45



2E2425



ADADAD



2E2E2E



# Same Dimension

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



451B20



591820



452A1B



242021



63000C



E3001B



# Inverse Universe

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



451B20



591820



1B3645



242021



63000C

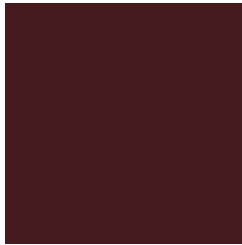


E3001B



# Previews

## White Background



This preview shows how the Hex color 451B20 looks on a white background.

## Color Contrast Check

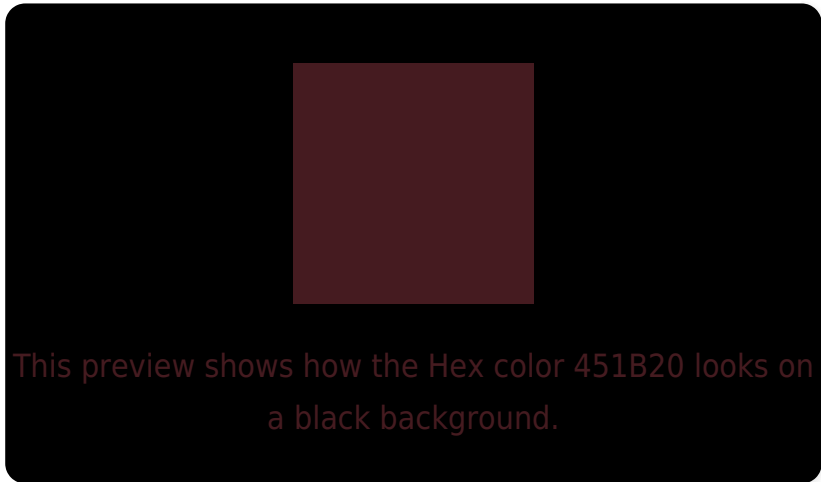
Large Text (above 18pt) WCAG AA ✓ Pass

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

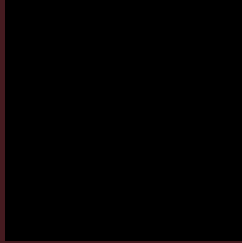
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 451B20 Background



This preview shows how black text looks on a background with the Hex color 451B20.



This preview shows how white text looks on a background with the Hex color 451B20.

# 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**  
451B20

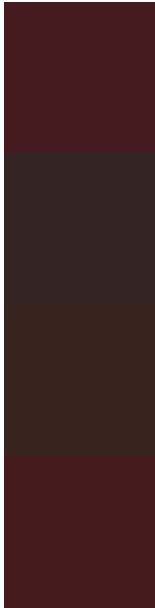
**Protanopia**  
2B2927

**Deuteranopia**  
31281E



**Tritanopia**  
451B1D

# Trichromacy



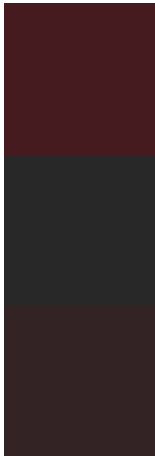
**Original Color**  
451B20

**Protanomaly**  
342424

**Deuteranomaly**  
38231F

**Tritanomaly**  
451B1E

# Monochromacy



**Original Color**  
451B20

**Achromatopsia**  
282828

**Achromatomaly**  
332325

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 451B20 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 #451B20 looks like.

```
.text, #text, p{  
    color:#451B20  
}
```

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 #451B20 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #451B20
}
```

## Border

The CSS property to change the border of an element to Hex 451B20 is called "border". The border property can be set on classes, ids or directly on the HTML element.

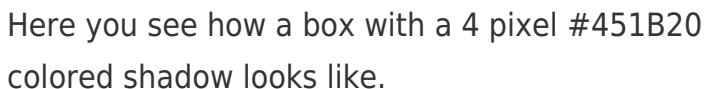
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#451B20 }
```

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

```
.border{ border-color:#451B20 }
```

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



Here you see how a box with a 4 pixel #451B20 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #451B20; -webkit-box-shadow:4px 4px  
4px 4px #451B20; box-shadow:4px 4px 4px  
4px #451B20 }
```

# Background

The CSS property to change the background color of an element to Hex 451B20 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#451B20 }
```

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

```
.background{ background-color:#451B20 }
```

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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