

# Converting Colors

Hex(431D2E)

Have a look what the booklet for  
Hex(431D2E) contains.

<b>Hex(431D2E)</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(431D2E)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	431D2E
RGB	67, 29, 46
RGB Percent	26%, 11%, 18%
CMY	0.7373, 0.8863, 0.8196
CMYK	0.00, 0.57, 0.31, 0.74
HSL	333°, 40%, 19%
HSV	333°, 57%, 26%
XYZ	3.2472, 2.2693, 2.8516
YIQ	42.3000, 17.1910, 13.3430

# Conversions

## Conversions Part 2

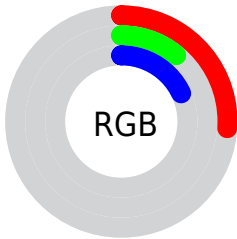
<b>Format</b>	<b>Color</b>
<b>RYB</b>	67, 29, 46
Decimal	4398382
CIELab	16.84, 20.68, -2.77
CIElCh	17, 20.869, 352.370
Yxy	2.2693, 0.3880, 0.2712
Android (android.graphics.Color)	4282588462 (0xFF431D2E)
YUV	42.3000, 1.8241, 21.6619
Hunter-Lab	15.0641, 12.1155, -0.6787

# Details

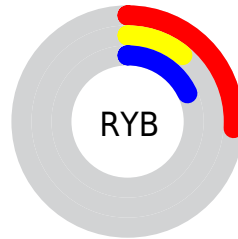
The Hex color **431D2E** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **1D4332**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **754A5C**, and **110000** is the 20% darker color. If you saturate the color by 10%, you get **43162A**, and if you desaturate by 10%, it is **432432**.

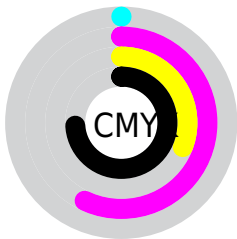
# Distribution



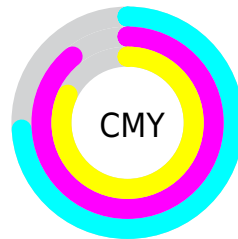
- Red (26%)
- Green (11%)
- Blue (18%)



- Red (26%)
- Yellow (11%)
- Blue (18%)



- Cyan (0%)
- Magenta (57%)
- Yellow (31%)
- Black (74%)



- Cyan (74%)
- Magenta (89%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 431D2E 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 431D2E by changing the saturation by 10% instead.





431D2E



431D2E

FFFFFF



2C0719



754A5C



110000



8F6274



000000



AA7C8E



C596A8



E1B0C3



FECCDF



FFE8FC



431D2E



431D2E

■ 43162A

■ 432432

■ 431027

■ 432A35

■ 430923

■ 433139

■ 43021F

■ 43383D

■ 43001E

■ 433F41

■ 434544

■ 434C48

■ 43534C

■ 43594F

# Harmonies

## Analogous

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



38213C



431D2E



451D1F

# Triad

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



431D2E



272C0C



003041

# Complementary

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



431D2E



1D4332

# 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.



003134



431D2E



152F17

# Square

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



431D2E



362709



003125



002C47

# Rectangle

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



431D2E



422016



003125



00303D



# Sweetspot

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



431D2E



57484F



321D43



2B2327



ABABAB



2B2B2B



# Same Dimension

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



431D2E



571C36



431F1D



211E1F



61002B



E00064



# Inverse Universe

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



431D2E



571C36



1D4143



211E1F



61002B

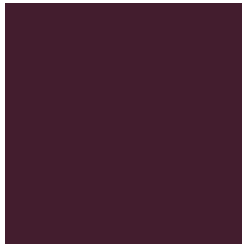


E00064



# Previews

## White Background



This preview shows how the Hex color 431D2E looks on a white background.

## Color Contrast Check

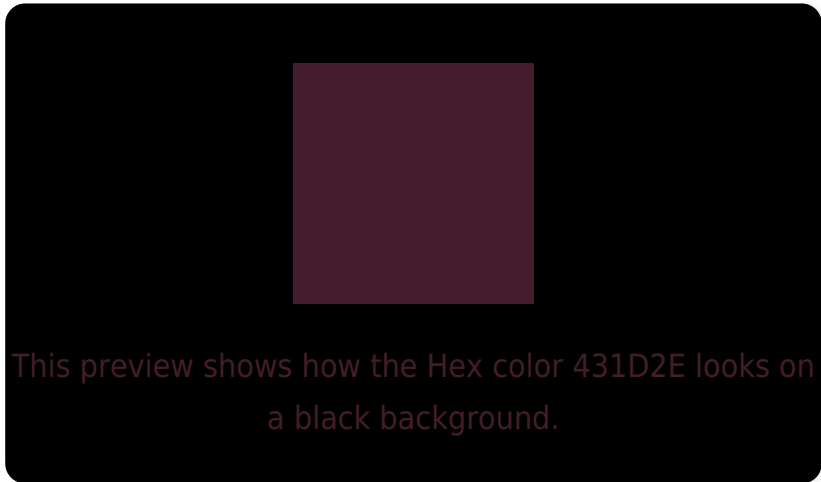
Large Text (above 18pt) WCAG AA ✓ Pass

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

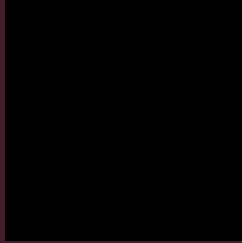
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 431D2E Background



This preview shows how black text looks on a background with the Hex color 431D2E.



This preview shows how white text looks on a background with the Hex color 431D2E.

# 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**  
431D2E

**Protanopia**  
272A36

**Deuteranopia**  
2E292C



# Trichromacy



**Original Color**  
431D2E

**Protanomaly**  
312533

**Deuteranomaly**  
36252D

**Tritanomaly**  
421F26

# Monochromacy



**Original Color**  
431D2E

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
33252B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 431D2E 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 #431D2E looks like.

```
.text, #text, p{  
    color:#431D2E  
}
```

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 #431D2E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #431D2E
}
```

## Border

The CSS property to change the border of an element to Hex 431D2E is called "border". The border property can be set on classes, ids or directly on the HTML element.

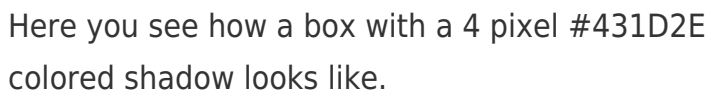
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#431D2E }
```

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

```
.border{ border-color:#431D2E }
```

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



Here you see how a box with a 4 pixel #431D2E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #431D2E; -webkit-box-shadow:4px 4px  
4px 4px #431D2E; box-shadow:4px 4px 4px  
4px #431D2E }
```

# Background

The CSS property to change the background color of an element to Hex 431D2E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#431D2E }
```

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

```
.background{ background-color:#431D2E }
```

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