

# Converting Colors

Hex(4D171D)

Have a look what the booklet for  
Hex(4D171D) contains.

<b>Hex(4D171D)</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(4D171D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D171D
RGB	77, 23, 29
RGB Percent	30%, 9%, 11%
CMY	0.6980, 0.9098, 0.8863
CMYK	0.00, 0.70, 0.62, 0.70
HSL	353°, 54%, 20%
HSV	353°, 70%, 30%
XYZ	3.5887, 2.2793, 1.4132
YIQ	39.8300, 30.2580, 13.3140

# Conversions

## Conversions Part 2

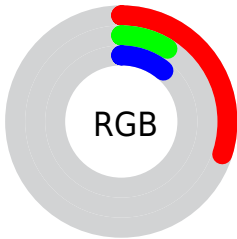
Format	Color
<b>R<sub>YB</sub></b>	77, 23, 29
Decimal	5052189
CIE Lab	16.89, 25.98, 9.70
CIE LCh	17, 27.729, 20.486
Yxy	2.2793, 0.4929, 0.3130
Android (android.graphics.Color)	4283242269 (0xFF4D171D)
YUV	39.8300, -5.3392, 32.5981
Hunter-Lab	15.0973, 16.0105, 5.0182

# Details

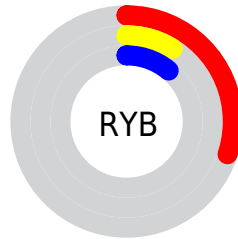
The Hex color **4D171D** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **174D47**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **814548**, and **190001** is the 20% darker color. If you saturate the color by 10%, you get **4D0F16**, and if you desaturate by 10%, it is **4D1F24**.

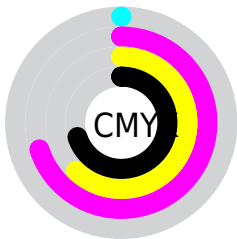
# Distribution



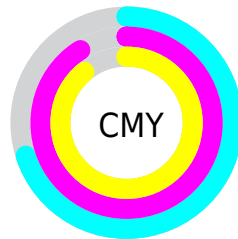
- Red (30%)
- Green (9%)
- Blue (11%)



- Red (30%)
- Yellow (9%)
- Blue (11%)



- Cyan (0%)
- Magenta (70%)
- Yellow (62%)
- Black (70%)



- Cyan (70%)
- Magenta (91%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D171D 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 4D171D by changing the saturation by 10% instead.



 4D171D

 4D171D

FFFFFF

 350003

 814548

 190001

 9D5E60

 000000

 B97779

 D59192

 F2ACAD

 FFC7C8

 FFE4E4

 4D171D

 4D171D

■ 4D0F16

■ 4D1F24

■ 4D080F

■ 4D262B

■ 4D0009

■ 4D2E32

■ 4D3638

■ 4D3E3F

■ 4D4546

■ 4D4D4D

■ 4D5554

■ 4D5C5B

# Harmonies

## Analogous

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



4A1731



4D171D



461E09

# Triad

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



4D171D



0D310E



002E51

# Complementary

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



4D171D



174D47

# 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.



003248



4D171D



003322

# Square

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



4D171D



272D00



003337



1D274F

# Rectangle

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



4D171D



3E2400



003337



002F4F



# Sweetspot

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



4D171D



634F51



47174D



332628



B3B3B3



333333



# Same Dimension

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



4D171D



631019



4D2C17



262223



66000B



E6001A



# Inverse Universe

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



4D171D



631019



17384D



262223



66000B

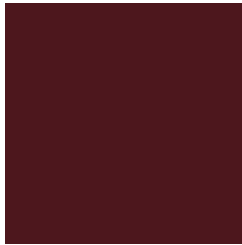


E6001A



# Previews

## White Background



This preview shows how the Hex color 4D171D looks on a white background.

## Color Contrast Check

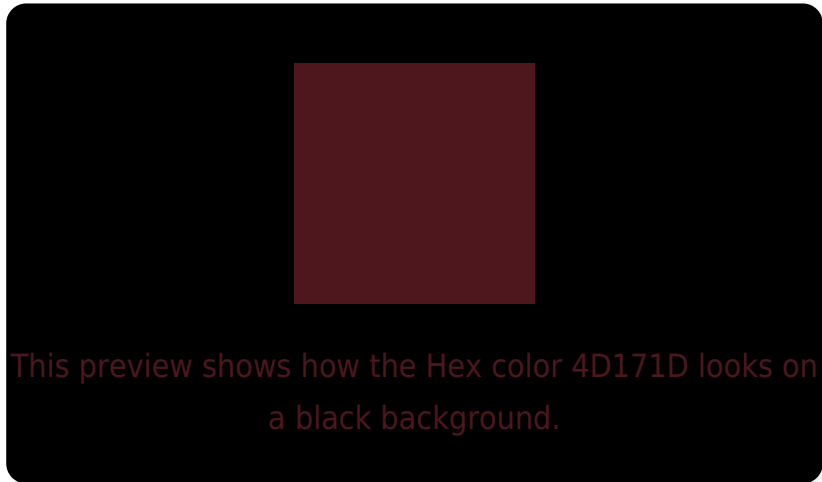
Large Text (above 18pt) WCAG AA ✓ Pass

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

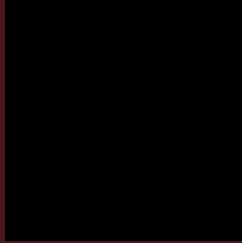
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4D171D Background



This preview shows how black text looks on a background with the Hex color 4D171D.



This preview shows how white text looks on a background with the Hex color 4D171D.

# 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**  
4D171D

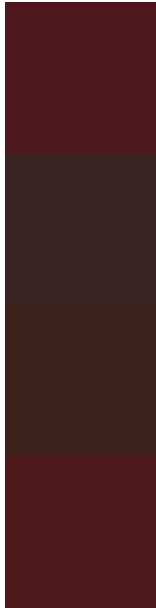
**Protanopia**  
2D2B26

**Deuteranopia**  
34291A



**Tritanopia**  
4D1819

# Trichromacy



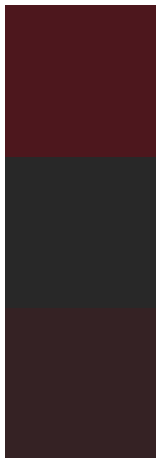
**Original Color**  
4D171D

**Protanomaly**  
392423

**Deuteranomaly**  
3D221B

**Tritanomaly**  
4D181A

# Monochromacy



**Original Color**  
4D171D

**Achromatopsia**  
282828

**Achromatomaly**  
352224

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D171D 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 #4D171D looks like.

```
.text, #text, p{  
    color:#4D171D  
}
```

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 #4D171D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D171D
}
```

## Border

The CSS property to change the border of an element to Hex 4D171D 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".

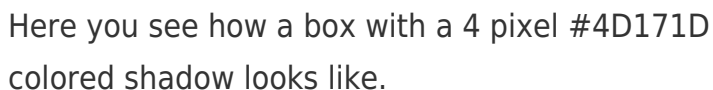
```
.border, #border, table{ border:4px solid
#4D171D }
```

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

```
.border{ border-color:#4D171D }
```

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

Here you see how a box with a 4 pixel #4D171D colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #4D171D colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D171D; -webkit-box-shadow:4px 4px  
4px 4px #4D171D; box-shadow:4px 4px 4px  
4px #4D171D }
```

# Background

The CSS property to change the background color of an element to Hex 4D171D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D171D }
```

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

```
.background{ background-color:#4D171D }
```

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