

# Converting Colors

Hex(45191F)

Have a look what the booklet for  
Hex(45191F) contains.

<b>Hex(45191F)</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(45191F)**

# Conversions

Conversions Part 1	
Format	Color
Hex	45191F
RGB	69, 25, 31
RGB Percent	27%, 10%, 12%
CMY	0.7294, 0.9020, 0.8784
CMYK	0.00, 0.64, 0.55, 0.73
HSL	352°, 47%, 18%
HSV	352°, 64%, 27%
XYZ	3.0492, 2.0594, 1.5331
YIQ	38.8400, 24.2980, 11.1940

# Conversions

## Conversions Part 2

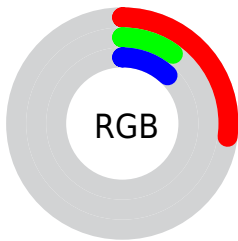
Format	Color
<a href="#">RYB</a>	<a href="#">69, 25, 31</a>
Decimal	<a href="#">4528415</a>
CIELab	<a href="#">15.80, 21.82, 6.53</a>
CIELCh	<a href="#">16, 22.777, 16.648</a>
Yxy	<a href="#">2.0594, 0.4591, 0.3101</a>
Android (android.graphics.Color)	<a href="#">4282718495</a> (0xFF45191F)
YUV	<a href="#">38.8400, -3.8651, 26.4503</a>
Hunter-Lab	<a href="#">14.3506, 12.8139, 3.7113</a>

# Details

The Hex color **45191F** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **19453F**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **78464B**, and **0A0000** is the 20% darker color. If you saturate the color by 10%, you get **451219**, and if you desaturate by 10%, it is **452025**.

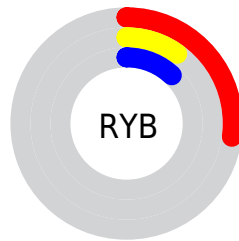
# Distribution



Red (27%)

Green (10%)

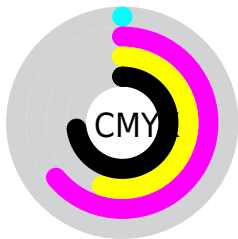
Blue (12%)



Red (27%)

Yellow (10%)

Blue (12%)

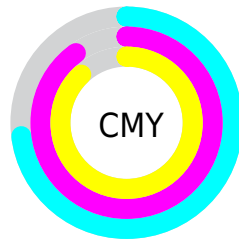


Cyan (0%)

Magenta (64%)

Yellow (55%)

Black (73%)



Cyan (73%)

Magenta (90%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45191F 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 45191F by changing the saturation by 10% instead.



 45191F

 45191F

FFFFFF

 2E0206

 78464B

 0A0000

 925E62

 000000

 AE777B

 CA9195

 E6ACB0

 FFC8CB

 FFE4E7

 45191F

 45191F

 451219

 452025

 450B13

 45272B

 45040D

 452E31

 450009

 453537

 453B3D

 454243

 454949

 45504F

 455755

# Harmonies

## Analogous

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



411A2F



45191F



411E10

# Triad

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



45191F



152D10



002B47

# Complementary

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



45191F



19453F

# 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.



002E3E



45191F



002F1F

# Square

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



45191F



282902



002F30



1B2646

# Rectangle

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



45191F



3A2206



002F30



002C45



# Sweetspot

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



45191F



59484B



3E1945



2E2325



ADADAD



2E2E2E



# Same Dimension

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



45191F



59151E



452819



242021



63000E



E3001F



# Inverse Universe

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



45191F



59151E



193645



242021



63000E

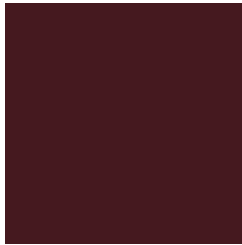


E3001F



# Previews

## White Background



This preview shows how the Hex color 45191F 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



This preview shows how the Hex color 45191F looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

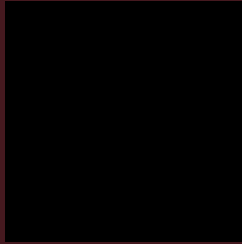
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 45191F Background



This preview shows how black text looks on a background with the Hex color 45191F.



This preview shows how white text looks on a background with the Hex color 45191F.

# 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](#).

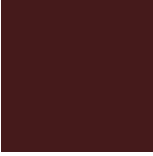
## Dichromacy



**Original Color**  
45191F

**Protanopia**  
2A2826

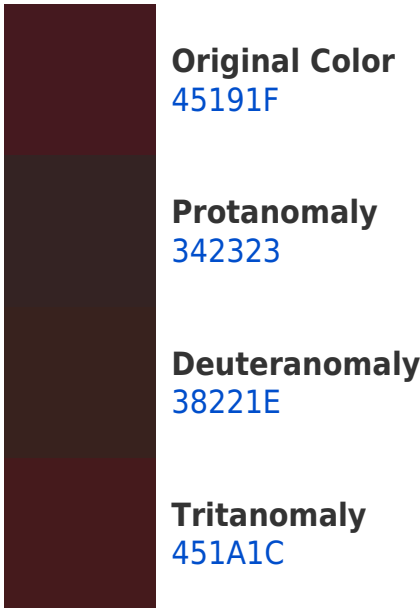
**Deuteranopia**  
30271D



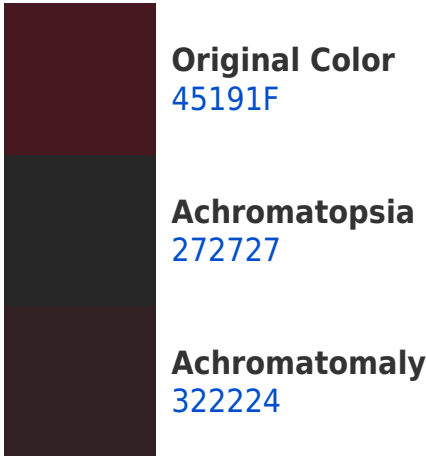
# Tritanopia

## 451A1B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45191F 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 #45191F looks like.

```
.text, #text, p{  
    color:#45191F  
}
```

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 #45191F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45191F
}
```

## Border

The CSS property to change the border of an element to Hex 45191F 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
#45191F }
```

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

```
.border{ border-color:#45191F }
```

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

Here you see how a box with a 4 pixel #45191F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45191F; -webkit-box-shadow:4px 4px  
4px 4px #45191F; box-shadow:4px 4px 4px  
4px #45191F }
```

# Background

The CSS property to change the background color of an element to Hex 45191F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45191F }
```

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

```
.background{ background-color:#45191F }
```

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