

# Converting Colors

Hex(45231F)

Have a look what the booklet for  
Hex(45231F) contains.

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# Color

Hex(45231F)

# Conversions

## Conversions Part 1

Format	Color
Hex	45231F
RGB	69, 35, 31
RGB Percent	27%, 14%, 12%
CMY	0.7294, 0.8627, 0.8784
CMYK	0.00, 0.49, 0.55, 0.73
HSL	6°, 38%, 20%
HSV	6°, 55%, 27%
XYZ	3.3026, 2.5662, 1.6176
YIQ	44.7100, 21.5480, 5.9640

# Conversions

## Conversions Part 2

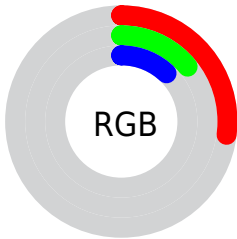
Format	Color
<a href="#">RYB</a>	<a href="#">69, 35, 31</a>
Decimal	<a href="#">4530975</a>
CIELab	<a href="#">18.22, 15.68, 9.83</a>
CIELCh	<a href="#">18, 18.503, 32.077</a>
Yxy	<a href="#">2.5662, 0.4411, 0.3428</a>
Android (android.graphics.Color)	<a href="#">4282721055 (0xFF45231F)</a>
YUV	<a href="#">44.7100, -6.7590, 21.3023</a>
Hunter-Lab	<a href="#">16.0194, 8.7662, 5.2266</a>

# Details

The Hex color **45231F** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **1F4145**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **77504B**, and **130000** is the 20% darker color. If you saturate the color by 10%, you get **451D18**, and if you desaturate by 10%, it is **452926**.

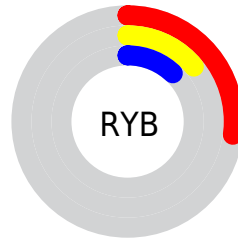
# Distribution



 Red (27%)

 Green (14%)

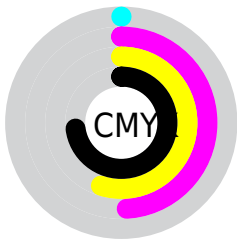
 Blue (12%)



 Red (27%)

 Yellow (14%)

 Blue (12%)

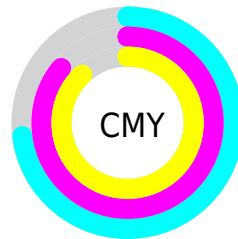


 Cyan (0%)

 Magenta (49%)

 Yellow (55%)

 Black (73%)



 Cyan (73%)

 Magenta (86%)

 Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45231F 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 45231F by changing the saturation by 10% instead.





45231F



45231F

FFFFFF



2E0E07



77504B



130000



926863



000000



AD827B



C99C95



E5B7B0



FFD2CB



FFEF7



45231F



45231F

■ 451D18

■ 452926

■ 451711

■ 452F2D

■ 45100A

■ 453634

■ 450A03

■ 453C3B

■ 450700

■ 454242

■ 454848

■ 454E4F

■ 455456

■ 455B5D

# Harmonies

## Analogous

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



45212C



45231F



3F2715

# Triad

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



45231F



15321F



182E47

# Complementary

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



45231F



1F4145

# 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.



003144



45231F



00332D

# Square

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



45231F



263015



00333A



2F2943

# Rectangle

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



45231F



382A12



00333A



0D2F47



# Sweetspot

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



45231F



594C4A



451F41



2E2625



ADADAD



2E2E2E



# Same Dimension

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



45231F



59251E



45361F



242120



630A00



E31800



# Inverse Universe

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



1F4145



1E5359



1F2E45



202324



005963

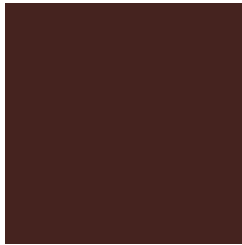


00CBE3



# Previews

## White Background



This preview shows how the Hex color 45231F 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

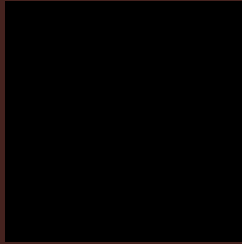
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 45231F Background



This preview shows how black text looks on a background with the Hex color 45231F.

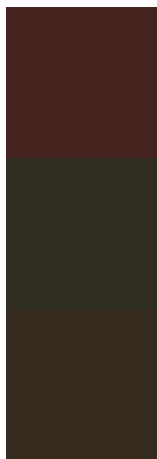


This preview shows how white text looks on a background with the Hex color 45231F.

# 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**  
45231F

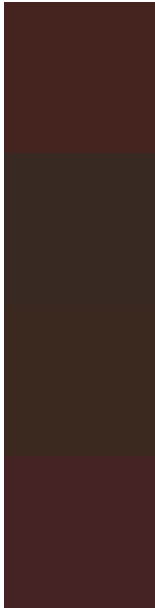
**Protanopia**  
302D23

**Deuteranopia**  
362B1E



**Tritanopia**  
452225

# Trichromacy



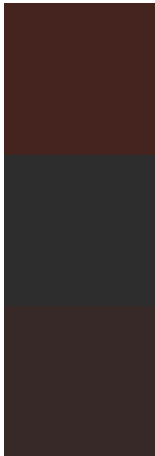
**Original Color**  
45231F

**Protanomaly**  
382922

**Deuteranomaly**  
3B281E

**Tritanomaly**  
452223

# Monochromacy



**Original Color**  
45231F

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
362928

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45231F 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 #45231F looks like.

```
.text, #text, p{  
    color:#45231F  
}
```

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 #45231F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45231F
}
```

## Border

The CSS property to change the border of an element to Hex 45231F is called "border". The border property can be set on classes, ids or directly on the HTML element.

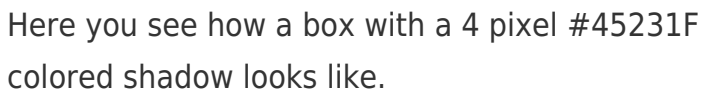
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#45231F }
```

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

```
.border{ border-color:#45231F }
```

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



Here you see how a box with a 4 pixel #45231F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45231F; -webkit-box-shadow:4px 4px  
4px 4px #45231F; box-shadow:4px 4px 4px  
4px #45231F }
```

# Background

The CSS property to change the background color of an element to Hex 45231F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45231F }
```

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

```
.background{ background-color:#45231F }
```

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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