

# Converting Colors

Hex(512100)

Have a look what the booklet for  
Hex(512100) contains.

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**Color**

**Hex(512100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	512100
RGB	81, 33, 0
RGB Percent	32%, 13%, 0%
CMY	0.6824, 0.8706, 1.0000
CMYK	0.00, 0.59, 1.00, 0.68
HSL	24°, 100%, 16%
HSV	24°, 100%, 32%
XYZ	3.9372, 2.8370, 0.3401
YIQ	43.5900, 39.2010, -0.0870

# Conversions

## Conversions Part 2

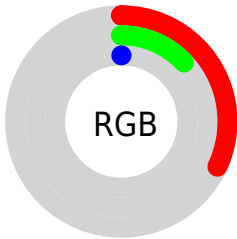
Format	Color
<a href="#">RYB</a>	<a href="#">81, 56, 0</a>
Decimal	<a href="#">5316864</a>
CIELab	<a href="#">19.38, 20.51, 28.55</a>
CIELCh	<a href="#">19, 35.150, 54.309</a>
Yxy	<a href="#">2.8370, 0.5534, 0.3988</a>
Android (android.graphics.Color)	<a href="#">4283506944</a> ( <a href="#">0xFF512100</a> )
YUV	<a href="#">43.5900, -21.4899, 32.8086</a>
Hunter-Lab	<a href="#">16.8435, 12.2484, 10.5933</a>

# Details

The Hex color **512100** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **003051**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **874F2F**, and **200001** is the 20% darker color. If you saturate the color by 10%, you get **512100**, and if you desaturate by 10%, it is **512608**.

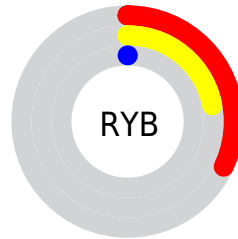
# Distribution



Red (32%)

Green (13%)

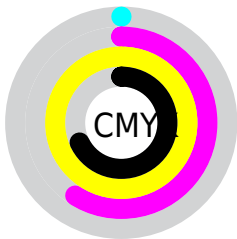
Blue (0%)



Red (32%)

Yellow (22%)

Blue (0%)

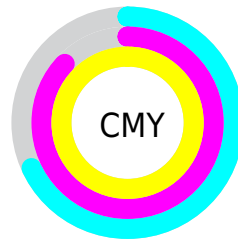


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (68%)



Cyan (68%)

Magenta (87%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 512100 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 512100 by changing the saturation by 10% instead.



 512100

 512100

 FFFFE3

 370B00

 874F2F

 200001

 A36746

 000000


 BF805E

 DC9A77

 FAB591

 FFD1AB

 FFEDC7

 512100

■ 512608

■ 512B10

■ 512F18

■ 513420

■ 513929

■ 513E31

■ 514339

■ 514741

■ 514C49

# Harmonies

## Analogous

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



5B151C



512100



3F2C00

# Triad

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



512100



003A29



232A5E

# Complementary

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



512100



003051

# 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.



003462



512100



003A43

# Square

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



512100



00380E



003958



491D4D

# Rectangle

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



512100



303200



003958



042E61



# Sweetspot

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



512100



695649



510031



362A22



B5B5B5



363636



# Same Dimension

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



512100



692B00



514900



292625



E85F00

# Inverse Universe

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



003051



003E69



000851



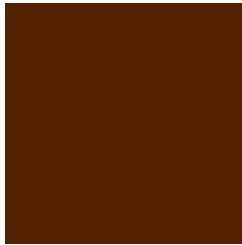
252729



008AE8

# Previews

## White Background



This preview shows how the Hex color 512100 looks on a white background.

## Color Contrast Check

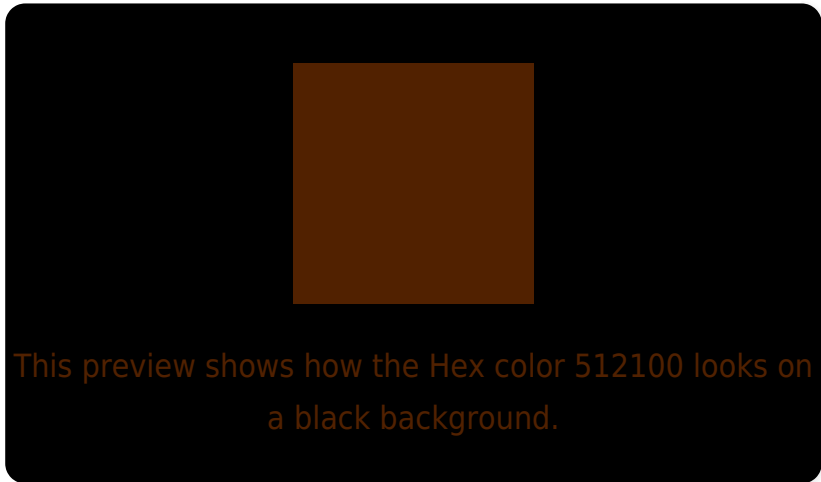
Large Text (above 18pt) WCAG AA ✓ Pass

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

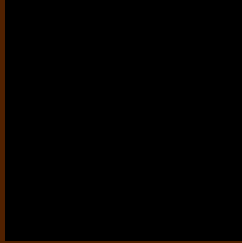
Any Text WCAG AA × Fail

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 512100 Background



This preview shows how black text looks on a background with the Hex color 512100.



This preview shows how white text looks on a background with the Hex color 512100.

# 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**  
512100

**Protanopia**  
363008

**Tritanopia**  
521F21



# Trichromacy



**Original Color**  
512100

**Protanomaly**  
402B05

**Tritanomaly**  
522015

# Monochromacy



**Original Color**  
512100

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
39281C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 512100 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 #512100 looks like.

```
.text, #text, p{  
    color:#512100  
}
```

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 #512100 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #512100
}
```

## Border

The CSS property to change the border of an element to Hex 512100 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".

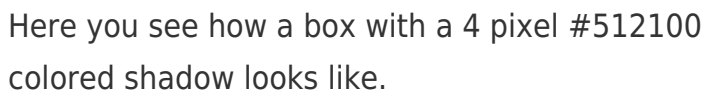
```
.border, #border, table{ border:4px solid
#512100 }
```

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

```
.border{ border-color:#512100 }
```

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

Here you see how a box with a 4 pixel #512100 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #512100; -webkit-box-shadow:4px 4px  
4px 4px #512100; box-shadow:4px 4px 4px  
4px #512100 }
```

# Background

The CSS property to change the background color of an element to Hex 512100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#512100 }
```

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

```
.background{ background-color:#512100 }
```

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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