

# Converting Colors

Hex(812500)

Have a look what the booklet for  
Hex(812500) contains.

<b>Hex(812500)</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(812500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	812500
RGB	129, 37, 0
RGB Percent	51%, 15%, 0%
CMY	0.4941, 0.8549, 1.0000
CMYK	0.00, 0.71, 1.00, 0.49
HSL	17°, 100%, 25%
HSV	17°, 100%, 51%
XYZ	9.7148, 5.9903, 0.6442
YIQ	60.2900, 66.7090, 7.9970

# Conversions

## Conversions Part 2

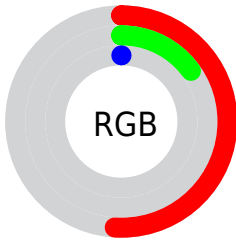
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	129, 52, 0
Decimal	8463616
CIE <sub>Lab</sub>	29.39, 38.14, 41.45
CIE <sub>LCh</sub>	29, 56.330, 47.385
Yxy	5.9903, 0.5942, 0.3664
Android (android.graphics.Color)	4286653696 (0xFF812500)
YUV	60.2900, -29.7230, 60.2587
Hunter-Lab	24.4750, 28.0204, 15.5719

# Details

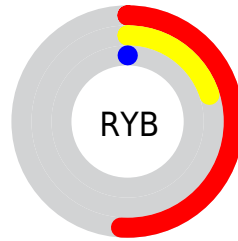
The Hex color **812500** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **005C81**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **BD5830**, and **470000** is the 20% darker color. If you saturate the color by 10%, you get **812500**, and if you desaturate by 10%, it is **812E0D**.

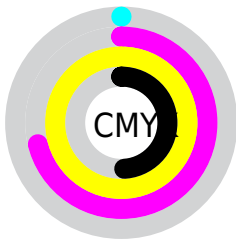
# Distribution



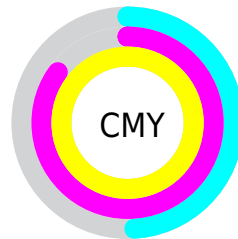
- Red (51%)
- Green (15%)
- Blue (0%)



- Red (51%)
- Yellow (20%)
- Blue (0%)



- Cyan (0%)
- Magenta (71%)
- Yellow (100%)
- Black (49%)



- Cyan (49%)
- Magenta (85%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 812500 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 812500 by changing the saturation by 10% instead.



 812500

 812500

 FFFFE7

 640700

 BD5830

 470000

 DB7148

 2F0002

 FA8C60


 000000

 FFA779

 FFC394

 FFDFAF

 FFFCCA


 812500

 812E0D


 81371A

 814127


 814A34

 815341

 815C4D

 81655A

 816F67

 817874

# Harmonies

## Analogous

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



8F002E



812500



653D00

# Triad

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



812500



005631



00429A

# Complementary

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



812500



005C81

# 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.



00509C



812500



00575E

# Square

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



812500



005300



005685



652A81

# Rectangle

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



812500



4C4700



005685



00489D



# Sweetspot

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



812500



A88476



81005C



543F36



D4D4D4



545454



# Same Dimension

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



812500



A83000



816500



403B39



802500



000000



# Inverse Universe

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



005C81



0078A8



001C81



393E40



005B80

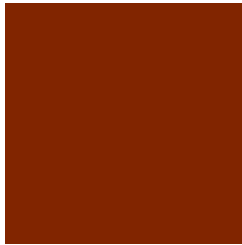


000000



# Previews

## White Background



This preview shows how the Hex color 812500 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

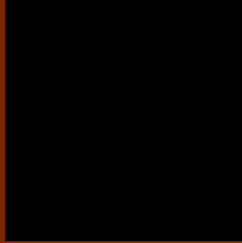
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 812500 Background



This preview shows how black text looks on a background with the Hex color 812500.



This preview shows how white text looks on a background with the Hex color 812500.

# 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



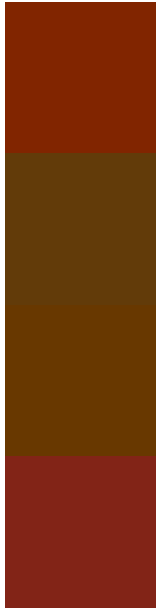
**Original Color**  
812500

**Protanopia**  
50470E

**Deuteranopia**  
594300



# Trichromacy



**Original Color**  
812500

**Protanomaly**  
623B09

**Deuteranomaly**  
683800

**Tritanomaly**  
822417

# Monochromacy



**Original Color**  
812500

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
553426

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 812500 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 #812500 looks like.

```
.text, #text, p{  
    color:#812500  
}
```

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 #812500 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #812500
}
```

## Border

The CSS property to change the border of an element to Hex 812500 is called "border". The border property can be set on classes, ids or directly on the HTML element.

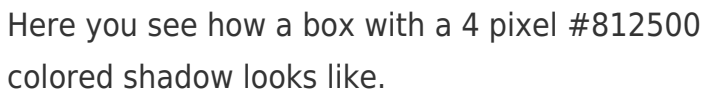
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#812500 }
```

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

```
.border{ border-color:#812500 }
```

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



Here you see how a box with a 4 pixel #812500 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #812500; -webkit-box-shadow:4px 4px  
4px 4px #812500; box-shadow:4px 4px 4px  
4px #812500 }
```

# Background

The CSS property to change the background color of an element to Hex 812500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#812500 }
```

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

```
.background{ background-color:#812500 }
```

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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