

# Converting Colors

Hex(812D21)

Have a look what the booklet for  
Hex(812D21) contains.

<b>Hex(812D21)</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(812D21)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	812D21
RGB	129, 45, 33
RGB Percent	51%, 18%, 13%
CMY	0.4941, 0.8235, 0.8706
CMYK	0.00, 0.65, 0.74, 0.49
HSL	8°, 59%, 32%
HSV	8°, 74%, 51%
XYZ	10.2662, 6.6537, 2.1821
YIQ	68.7480, 53.9160, 14.0760

# Conversions

## Conversions Part 2

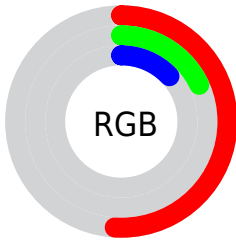
Format	Color
<a href="#">RYB</a>	<a href="#">129, 47, 33</a>
Decimal	<a href="#">8465697</a>
CIELab	<a href="#">31.01, 35.51, 26.72</a>
CIElCh	<a href="#">31, 44.439, 36.959</a>
Yxy	<a href="#">6.6537, 0.5374, 0.3483</a>
Android (android.graphics.Color)	<a href="#">4286655777</a> ( <a href="#">0xFF812D21</a> )
YUV	<a href="#">68.7480, -17.6238, 52.8410</a>
Hunter-Lab	<a href="#">25.7948, 25.9010, 13.0408</a>

# Details

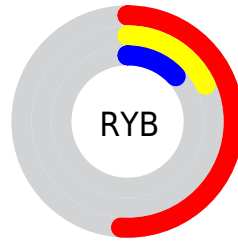
The Hex color **812D21** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **217581**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **BB5F4E**, and **490000** is the 20% darker color. If you saturate the color by 10%, you get **812214**, and if you desaturate by 10%, it is **81382E**.

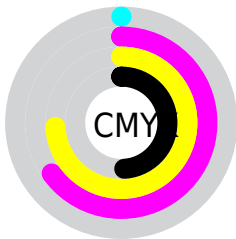
# Distribution



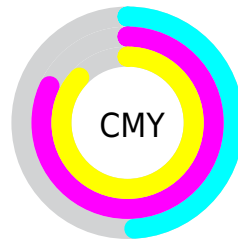
- Red (51%)
- Green (18%)
- Blue (13%)



- Red (51%)
- Yellow (18%)
- Blue (13%)



- Cyan (0%)
- Magenta (65%)
- Yellow (74%)
- Black (49%)



- Cyan (49%)
- Magenta (82%)
- Yellow (87%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 812D21 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 812D21 by changing the saturation by 10% instead.



 812D21

 812D21

FFFFFF

 65130C

 BB5F4E

 490000

 D97966

 300001

 F7937F

 000000


 FFAE99

 FFCAB4

 FFE7D0

 FFFFEC

 812D21

 812D21

■ 812214

■ 81382E

■ 811607

■ 81443B

■ 811000

■ 814F48

■ 815A55

■ 816562

■ 81716E

■ 817C7B

■ 818788

■ 819395

# Harmonies

## Analogous

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



862342



812D21



6E3D01

# Triad

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



812D21



00572C



004B8E

# Complementary

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



812D21



217581

# 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.



005489



812D21



005950

# Square

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



812D21



2C5208



005872



533C81

# Rectangle

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



812D21



5C4600



005872



004E8F



# Sweetspot

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



812D21



A88883



812176



54413E



D4D4D4



545454



# Same Dimension

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



812D21



A82513



815C21



403A39



801000



000000



# Inverse Universe

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



217581



1396A8



214681



393F40



007080



000000



# Previews

## White Background



This preview shows how the Hex color 812D21 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 812D21 Background



This preview shows how black text looks on a background with the Hex color 812D21.

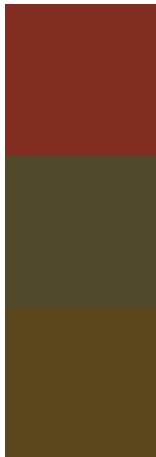


This preview shows how white text looks on a background with the Hex color 812D21.

# 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**  
812D21

**Protanopia**  
514A2A

**Deuteranopia**  
5C461B



**Tritanopia**  
812B2E

# Trichromacy



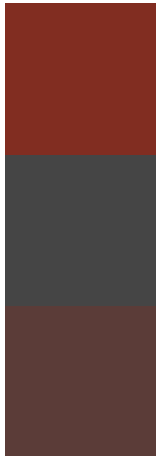
**Original Color**  
812D21

**Protanomaly**  
623F27

**Deuteranomaly**  
693D1D

**Tritanomaly**  
812C29

# Monochromacy



**Original Color**  
812D21

**Achromatopsia**  
454545

**Achromatomaly**  
5B3C38

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 812D21 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 #812D21 looks like.

```
.text, #text, p{  
    color:#812D21  
}
```

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 #812D21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #812D21
}
```

## Border

The CSS property to change the border of an element to Hex 812D21 is called "border". The border property can be set on classes, ids or directly on the HTML element.

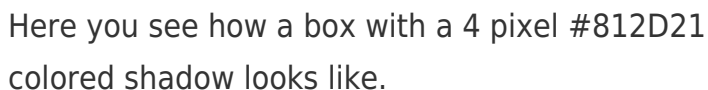
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#812D21 }
```

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

```
.border{ border-color:#812D21 }
```

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



Here you see how a box with a 4 pixel #812D21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #812D21; -webkit-box-shadow:4px 4px  
4px 4px #812D21; box-shadow:4px 4px 4px  
4px #812D21 }
```

# Background

The CSS property to change the background color of an element to Hex 812D21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#812D21 }
```

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

```
.background{ background-color:#812D21 }
```

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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