

# Converting Colors

Hex(802321)

Have a look what the booklet for  
Hex(802321) contains.

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**Color**

**Hex(802321)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	802321
RGB	128, 35, 33
RGB Percent	50%, 14%, 13%
CMY	0.4980, 0.8627, 0.8706
CMYK	0.00, 0.73, 0.74, 0.50
HSL	1°, 59%, 32%
HSV	1°, 74%, 50%
XYZ	9.7776, 5.9011, 2.0625
YIQ	62.5790, 56.0700, 19.0940

# Conversions

## Conversions Part 2

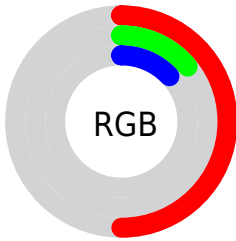
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 35, 33
Decimal	8397601
CIE Lab	29.16, 39.62, 24.55
CIE LCh	29, 46.608, 31.785
Yxy	5.9011, 0.5511, 0.3326
Android (android.graphics.Color)	4286587681 (0xFF802321)
YUV	62.5790, -14.5824, 57.3742
Hunter-Lab	24.2921, 29.3355, 11.9704

# Details

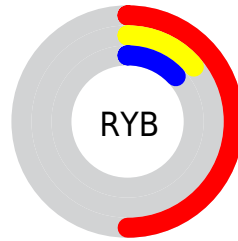
The Hex color **802321** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **217E80**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **BA564D**, and **480000** is the 20% darker color. If you saturate the color by 10%, you get **801614**, and if you desaturate by 10%, it is **80302E**.

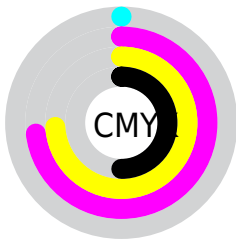
# Distribution



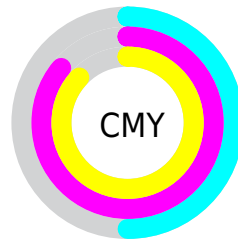
- Red (50%)
- Green (14%)
- Blue (13%)



- Red (50%)
- Yellow (14%)
- Blue (13%)



- Cyan (0%)
- Magenta (73%)
- Yellow (74%)
- Black (50%)



- Cyan (50%)
- Magenta (86%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 802321 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 802321 by changing the saturation by 10% instead.



 802321

 802321

FFFFFF

 64030C

 BA564D

 480000

 D87066

 2F0002

 F68B7F

 000000

 FFA699

 FFC2B3

 FFDECF

 FFFBEB

 802321

 802321

■ 801614

■ 80302E

■ 800A07

■ 803C3B

■ 800300

■ 804947

■ 805554

■ 806261

■ 806E6E

■ 807B7B

■ 808787

■ 809494

# Harmonies

## Analogous

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



821944



802321



6E3500

# Triad

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



802321



005220



00498E

# Complementary

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



802321



217E80

# 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.



005184



802321



005446

# Square

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



802321



2E4D00



00546A



453A83

# Rectangle

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



802321



5D4000



00546A



004C8D



# Sweetspot

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



802321



A68281



80217E



543F3E



D4D4D4



545454



# Same Dimension

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



802321



A61512



805221



403A39



800300



000000



# Inverse Universe

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



217E80



12A3A6



214F80



394040



007D80



000000



# Previews

## White Background



This preview shows how the Hex color 802321 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 802321 Background



This preview shows how black text looks on a background with the Hex color 802321.

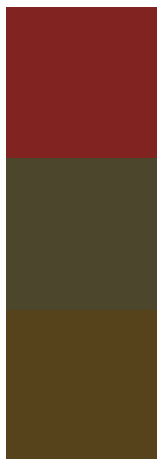


This preview shows how white text looks on a background with the Hex color 802321.

# 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**  
802321

**Protanopia**  
4C462C

**Deuteranopia**  
57431B



# Trichromacy



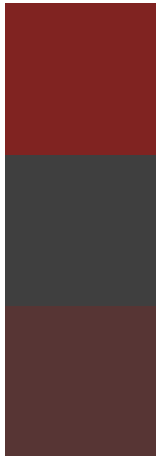
**Original Color**  
802321

**Protanomaly**  
5F3928

**Deuteranomaly**  
66371D

**Tritanomaly**  
802323

# Monochromacy



**Original Color**  
802321

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
573534

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 802321 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 #802321 looks like.

```
.text, #text, p{  
    color:#802321  
}
```

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 #802321 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #802321
}
```

## Border

The CSS property to change the border of an element to Hex 802321 is called "border". The border property can be set on classes, ids or directly on the HTML element.

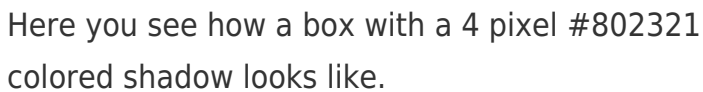
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#802321 }
```

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

```
.border{ border-color:#802321 }
```

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



Here you see how a box with a 4 pixel #802321 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #802321; -webkit-box-shadow:4px 4px  
4px 4px #802321; box-shadow:4px 4px 4px  
4px #802321 }
```

# Background

The CSS property to change the background color of an element to Hex 802321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#802321 }
```

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

```
.background{ background-color:#802321 }
```

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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