

# Converting Colors

Hex(321B29)

Have a look what the booklet for  
Hex(321B29) contains.

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# Color

**Hex(321B29)**

# Conversions

## Conversions Part 1

Format	Color
Hex	321B29
RGB	50, 27, 41
RGB Percent	20%, 11%, 16%
CMY	0.8039, 0.8941, 0.8392
CMYK	0.00, 0.46, 0.18, 0.80
HSL	323°, 30%, 15%
HSV	323°, 46%, 20%
XYZ	2.1076, 1.6221, 2.2998
YIQ	35.4730, 9.2140, 9.2300

# Conversions

## Conversions Part 2

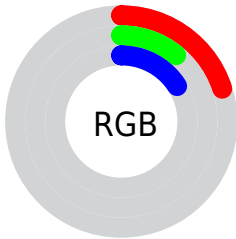
Format	Color
<a href="#">RYB</a>	<a href="#">50, 27, 41</a>
Decimal	<a href="#">3283753</a>
CIELab	<a href="#">13.36, 13.90, -4.66</a>
CIELCh	<a href="#">13, 14.661, 341.477</a>
Yxy	<a href="#">1.6221, 0.3495, 0.2690</a>
Android (android.graphics.Color)	<a href="#">4281473833 (0xFF321B29)</a>
YUV	<a href="#">35.4730, 2.7248, 12.7402</a>
Hunter-Lab	<a href="#">12.7361, 7.2501, -1.7911</a>

# Details

The Hex color **321B29** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1B3224**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **614756**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **321627**, and if you desaturate by 10%, it is **32202B**.

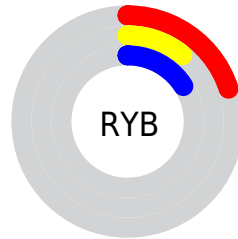
# Distribution



Red (20%)

Green (11%)

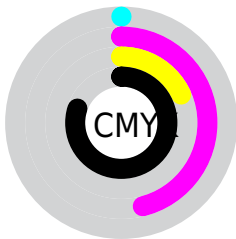
Blue (16%)



Red (20%)

Yellow (11%)

Blue (16%)

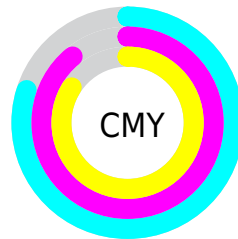


Cyan (0%)

Magenta (46%)

Yellow (18%)

Black (80%)



Cyan (80%)

Magenta (89%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 321B29 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 321B29 by changing the saturation by 10% instead.





321B29



321B29

FFFFFF



1E0215



614756



000000



7A5F6E



947888



AF91A2



CAACBD



E6C7D9



FFE3F5



321B29



321B29

■ 321627

■ 32202B

■ 321125

■ 32252D

■ 320C23

■ 322A2F

■ 320721

■ 322F31

■ 32021F

■ 323433

■ 32001E

■ 323935

■ 323E37

■ 324339

■ 32483B

# Harmonies

## Analogous

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



281E32



321B29



361A1F

# Triad

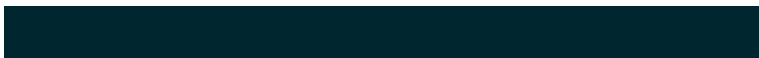
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



321B29



25230D



00272F

# Complementary

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



321B29



1B3224

# 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.



002826



321B29



1A2612

# Square

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



321B29



2E1F0E



0C271B



052535

# Rectangle

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



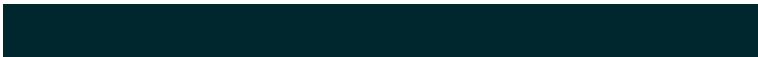
321B29



351B18



0C271B



00272D



# Sweetspot

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



321B29



40373C



241B32



211C1F



A1A1A1



212121



# Same Dimension

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



321B29



401D32



321B1E



1A1719



590036



D90084



# Inverse Universe

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



321B29



401D32



1B322F



1A1719



590036



D90084



# Previews

## White Background



This preview shows how the Hex color 321B29 looks on a white background.

## Color Contrast Check

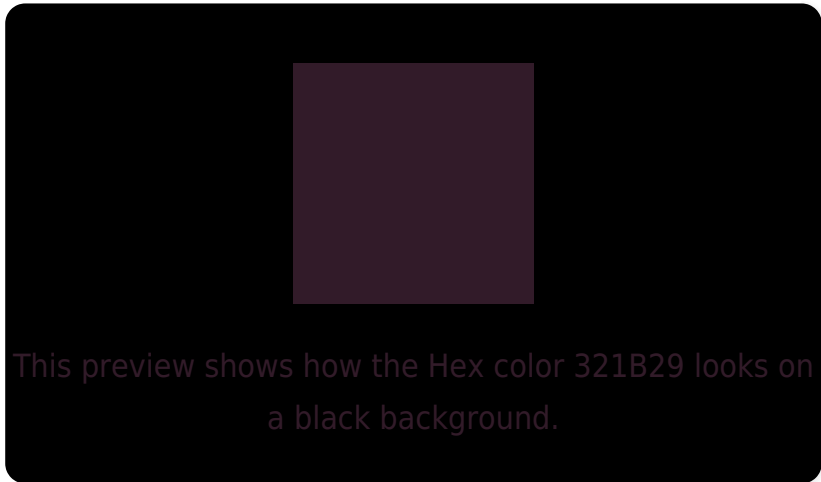
Large Text (above 18pt) WCAG AA ✓ Pass

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

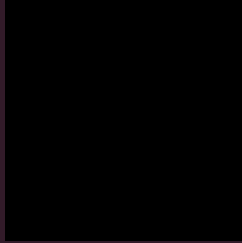
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 321B29 Background



This preview shows how black text looks on a background with the Hex color 321B29.



This preview shows how white text looks on a background with the Hex color 321B29.

# 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](#).

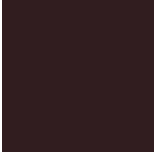
## Dichromacy



**Original Color**  
321B29

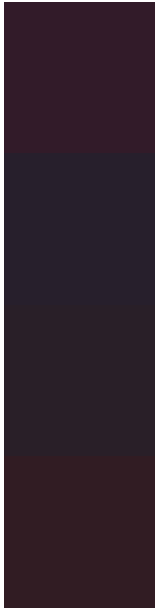
**Protanopia**  
20222E

**Deuteranopia**  
242228



**Tritanopia**  
311D1F

# Trichromacy



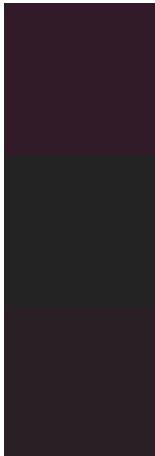
**Original Color**  
321B29

**Protanomaly**  
271F2C

**Deuteranomaly**  
291F28

**Tritanomaly**  
311C23

# Monochromacy



**Original Color**  
321B29

**Achromatopsia**  
232323

**Achromatomaly**  
282025

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 321B29 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 #321B29 looks like.

```
.text, #text, p{  
    color:#321B29  
}
```

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 #321B29 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #321B29
}
```

## Border

The CSS property to change the border of an element to Hex 321B29 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".

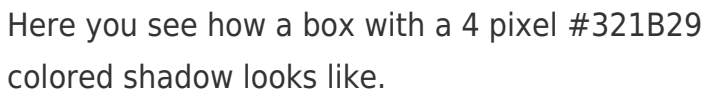
```
.border, #border, table{ border:4px solid
#321B29 }
```

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

```
.border{ border-color:#321B29 }
```

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

Here you see how a box with a 4 pixel #321B29 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #321B29; -webkit-box-shadow:4px 4px  
4px 4px #321B29; box-shadow:4px 4px 4px  
4px #321B29 }
```

# Background

The CSS property to change the background color of an element to Hex 321B29 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#321B29 }
```

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

```
.background{ background-color:#321B29 }
```

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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