

# Converting Colors

Hex(321BAF)

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

<b>Hex(321BAF)</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(321BAF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	321BAF
RGB	50, 27, 175
RGB Percent	20%, 11%, 69%
CMY	0.8039, 0.8941, 0.3137
CMYK	0.71, 0.85, 0.00, 0.31
HSL	249°, 73%, 40%
HSV	249°, 85%, 69%
XYZ	9.4452, 4.5571, 40.9392
YIQ	50.7490, -33.8000, 50.9040

# Conversions

## Conversions Part 2

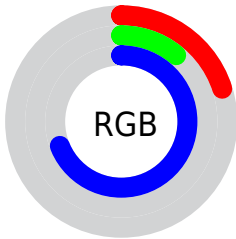
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 27, 175
Decimal	3283887
CIELab	25.43, 53.00, -72.91
CIElCh	25, 90.142, 306.013
Yxy	4.5571, 0.1719, 0.0829
Android (android.graphics.Color)	4281473967 (0xFF321BAF)
YUV	50.7490, 61.2557, -0.6569
Hunter-Lab	21.3474, 41.6196, -98.7609

# Details

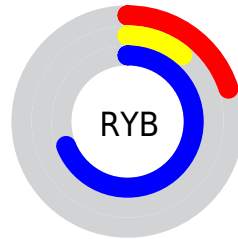
The Hex color **321BAF** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **98AF1B**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **744DE8**, and **000079** is the 20% darker color. If you saturate the color by 10%, you get **2309AF**, and if you desaturate by 10%, it is **412DAF**.

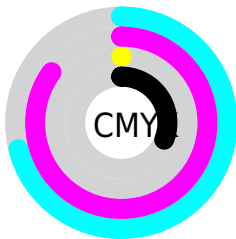
# Distribution



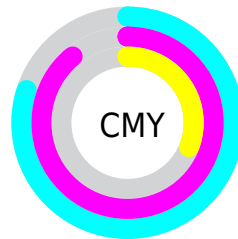
- Red (20%)
- Green (11%)
- Blue (69%)



- Red (20%)
- Yellow (11%)
- Blue (69%)



- Cyan (71%)
- Magenta (85%)
- Yellow (0%)
- Black (31%)



- Cyan (80%)
- Magenta (89%)
- Yellow (31%)

# Brightness & Saturation Gradients

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



■ 321BAF

■ 321BAF

FFFFFF

■ 000094

■ 744DE8

■ 000079

■ 9267FF

■ 00005F

■ B081FF

■ 000846

■ CE9BFF

■ 00042F

■ ECB7FF

■ 000119

■ FFD3FF

■ 000000

■ FFF0FF

■ 321BAF

■ 321BAF

■ 2309AF

■ 412DAF

■ 1B00AF

■ 503EAF

■ 5E50AF

■ 6D61AF

■ 7C73AF

■ 8B84AF

■ 9996AF

■ A8A7AF

■ B7B9AF

# Harmonies

## Analogous

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



0045CB



321BAF



910076

# Triad

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



321BAF



741D00



005249

# Complementary

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



321BAF



98AF1B

# 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.



005000



321BAF



3F3F00

# Square

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



321BAF



9A0000



004B00



00548D

# Rectangle

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



321BAF



A50049



004B00



005131



# Sweetspot

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



321BAF



B3AAE3



1B99AF



565073



F2F2F2



737373



# Same Dimension

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



321BAF



2300E3



7B1BAF



4F4E57



170096



040017



# Inverse Universe

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



AF1B98



E300C0



4FAF1B



574E55



96007F

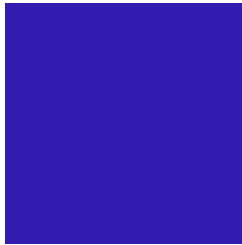


170013



# Previews

## White Background



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

## Color Contrast Check

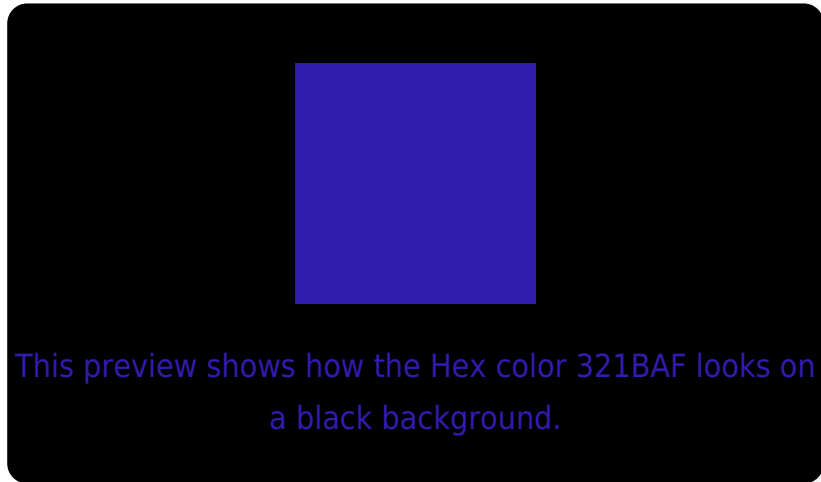
Large Text (above 18pt) WCAG AA ✓ Pass

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

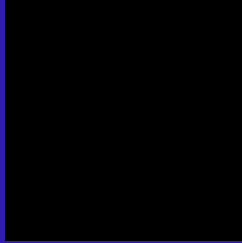
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 321BAF Background



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



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

# 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**  
321BAF

**Protanopia**  
003B7B

**Deuteranopia**  
003F69



# Trichromacy



**Original Color**  
321BAF

**Protanomaly**  
122F8E

**Deuteranomaly**  
123282

**Tritanomaly**  
12356D

# Monochromacy



**Original Color**  
321BAF

**Achromatopsia**  
333333

**Achromatomaly**  
332A60

# CSS Examples

## Text

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

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

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 #321BAF colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Hex 321BAF 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
#321BAF }
```

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

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

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

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

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

# Background

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

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

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

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

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor