

# Converting Colors

Hex(291D87)

Have a look what the booklet for  
Hex(291D87) contains.

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# Color

**Hex(291D87)**

# Conversions

## Conversions Part 1

Format	Color
Hex	291D87
RGB	41, 29, 135
RGB Percent	16%, 11%, 53%
CMY	0.8392, 0.8863, 0.4706
CMYK	0.70, 0.79, 0.00, 0.47
HSL	247°, 65%, 32%
HSV	247°, 79%, 53%
XYZ	5.7270, 3.0994, 23.2181
YIQ	44.6720, -26.8740, 35.5100

# Conversions

## Conversions Part 2

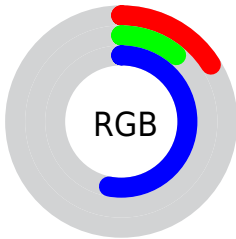
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 29, 135
Decimal	2694535
CIE Lab	20.44, 38.96, -56.66
CIE LCh	20, 68.765, 304.512
Yxy	3.0994, 0.1787, 0.0967
Android (android.graphics.Color)	4280884615 (0xFF291D87)
YUV	44.6720, 44.5317, -3.2203
Hunter-Lab	17.6052, 27.2573, -65.8693

# Details

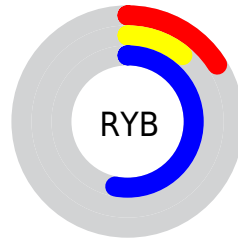
The Hex color **291D87** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **7B871D**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **654BBD**, and **000054** is the 20% darker color. If you saturate the color by 10%, you get **1D1087**, and if you desaturate by 10%, it is **352B87**.

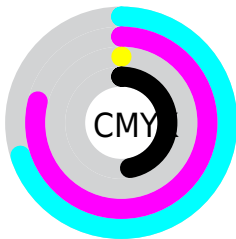
# Distribution



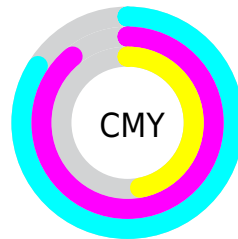
- Red (16%)
- Green (11%)
- Blue (53%)



- Red (16%)
- Yellow (11%)
- Blue (53%)



- Cyan (70%)
- Magenta (79%)
- Yellow (0%)
- Black (47%)



- Cyan (84%)
- Magenta (89%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 291D87 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 291D87 by changing the saturation by 10% instead.



■ 291D87

■ 291D87

FFFFFF

■ 00066D

■ 654BBD

■ 000054

■ 8164DA

■ 00063C

■ 9D7DF6

■ 000225

■ BA98FF

■ 00010E

■ D7B3FF

■ 000000

■ F5CEFF

■ FFEBFF

■ 291D87

■ 291D87

■ 1D1087

■ 352B87

■ 110287

■ 413887

■ 0F0087

■ 4D4687

■ 595387

■ 656187

■ 716E87

■ 7D7B87

■ 898987

■ 959687

# Harmonies

## Analogous

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



00389A



291D87



6F005E

# Triad

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



291D87



5E1A00



004338

# Complementary

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



291D87



7B871D

# 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.



004100



291D87



373200

# Square

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



291D87



790000



003D00



00436B

# Rectangle

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



291D87



7F003D



003D00



004226



# Sweetspot

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



291D87



8B86B0



1D7C87



423F59



D9D9D9



595959



# Same Dimension

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



291D87



1D0BB0



5D1D87



3C3C42



0F0082



000003



# Inverse Universe

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



871D7B



B00B9D



47871D



423C42



820073

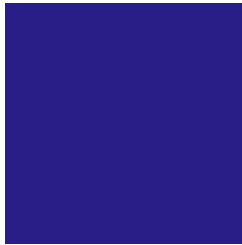


030002



# Previews

## White Background



This preview shows how the Hex color 291D87 looks on a white background.

## Color Contrast Check

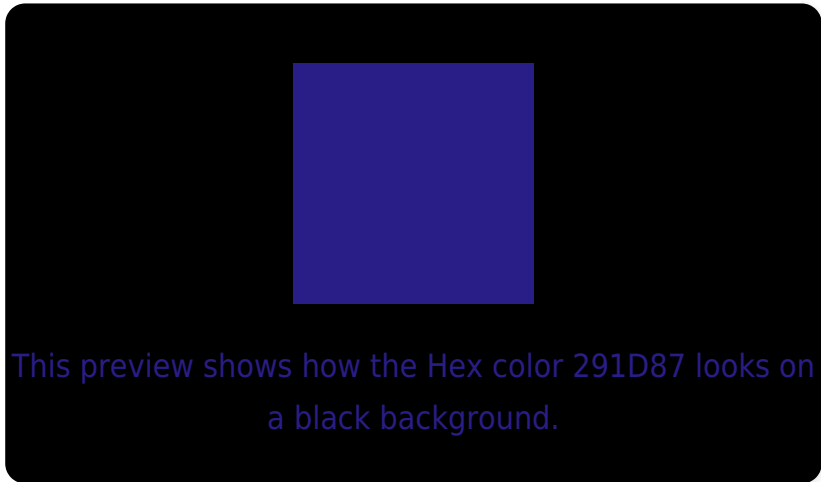
Large Text (above 18pt) WCAG AA ✓ Pass

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

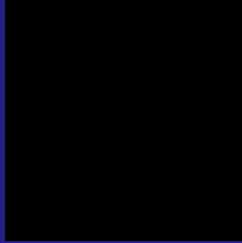
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 291D87 Background



This preview shows how black text looks on a background with the Hex color 291D87.



This preview shows how white text looks on a background with the Hex color 291D87.

# 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**  
291D87

**Protanopia**  
003065

**Deuteranopia**  
003356



**Tritanopia**  
00373B

# Trichromacy



**Original Color**  
291D87

**Protanomaly**  
0F2971

**Deuteranomaly**  
0F2B68

**Tritanomaly**  
0F2E57

# Monochromacy



**Original Color**  
291D87

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
2C274E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 291D87 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 #291D87 looks like.

```
.text, #text, p{  
    color:#291D87  
}
```

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 #291D87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #291D87
}
```

## Border

The CSS property to change the border of an element to Hex 291D87 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
#291D87 }
```

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

```
.border{ border-color:#291D87 }
```

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

Here you see how a box with a 4 pixel #291D87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #291D87; -webkit-box-shadow:4px 4px  
4px 4px #291D87; box-shadow:4px 4px 4px  
4px #291D87 }
```

# Background

The CSS property to change the background color of an element to Hex 291D87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#291D87 }
```

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

```
.background{ background-color:#291D87 }
```

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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