

# Converting Colors

Hex(291ABF)

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

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# Color

**Hex(291ABF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	291ABF
RGB	41, 26, 191
RGB Percent	16%, 10%, 75%
CMY	0.8392, 0.8980, 0.2510
CMYK	0.79, 0.86, 0.00, 0.25
HSL	245°, 76%, 43%
HSV	245°, 86%, 75%
XYZ	10.6878, 4.9718, 49.6866
YIQ	49.2950, -44.0250, 54.4950

# Conversions

## Conversions Part 2

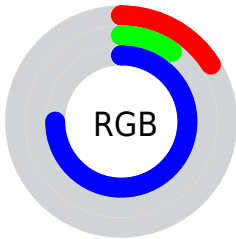
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 26, 191
Decimal	2693823
CIE <sub>Lab</sub>	26.65, 57.48, -80.44
CIE <sub>LCh</sub>	27, 98.863, 305.550
Yxy	4.9718, 0.1636, 0.0761
Android (android.graphics.Color)	4280883903 (0xFF291ABF)
YUV	49.2950, 69.8606, -7.2747
Hunter-Lab	22.2975, 46.5393, -116.5103

# Details

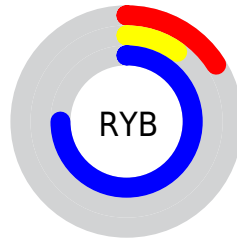
The Hex color **291ABF** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **B0BF1A**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **724DF9**, and **000088** is the 20% darker color. If you saturate the color by 10%, you get **1807BF**, and if you desaturate by 10%, it is **3A2DBF**.

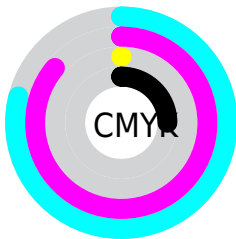
# Distribution



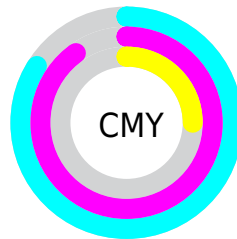
- Red (16%)
- Green (10%)
- Blue (75%)



- Red (16%)
- Yellow (10%)
- Blue (75%)



- Cyan (79%)
- Magenta (86%)
- Yellow (0%)
- Black (25%)



- Cyan (84%)
- Magenta (90%)
- Yellow (25%)

# Brightness & Saturation Gradients

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



 291ABF

 291ABF

FFFFFF

 0000A3

 724DF9

 000088

 9267FF

 00006D

 B181FF

 000B54

 CF9CFF

 00063C

 EEB7FF

 000225

 FFD4FF

 00010E

 FFF0FF

 000000

 291ABF

 291ABF

■ 1807BF

■ 3A2DBF

■ 1100BF

■ 4C40BF

■ 5D53BF

■ 6E66BF

■ 8079BF

■ 918DBF

■ A3A0BF

■ B4B3BF

■ C5C6BF

# Harmonies

## Analogous

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



004ADD



291ABF



9B0080

# Triad

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



291ABF



7D1900



00564C

# Complementary

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



291ABF



B0BF1A

# 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.



005300



291ABF



424200

# Square

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



291ABF



A50000



004F00



005898

# Rectangle

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



291ABF



B1004E



004F00



005531



# Sweetspot

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



291ABF



BDB7F7



1AB1BF



5A567D



FCFCFC



7D7D7D



# Same Dimension

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



291ABF



1600F7



7A1ABF



56555E



0E009E



03001F



# Inverse Universe

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



BF1AB0



F700E1



5FBF1A



5E555D



9E0090

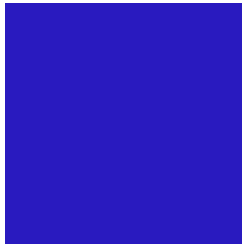


1F001C



# Previews

## White Background



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

## Color Contrast Check

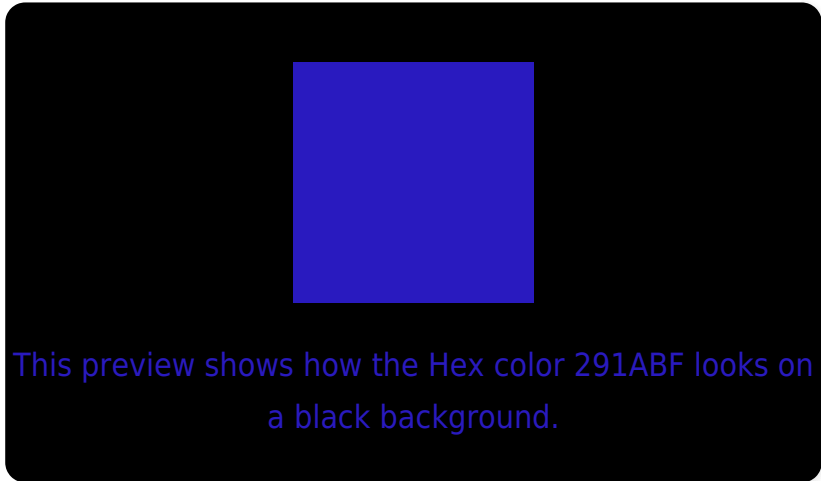
Large Text (above 18pt) WCAG AA ✓ Pass

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

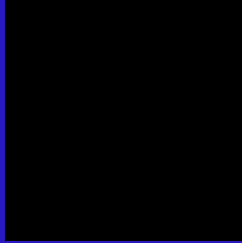
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 291ABF Background



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



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

# 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**  
291ABF

**Protanopia**  
003D80

**Deuteranopia**  
00416D



**Tritanopia**  
00464A

# Trichromacy



**Original Color**  
291ABF

**Protanomaly**  
0F3097

**Deuteranomaly**  
0F338B

**Tritanomaly**  
0F3675

# Monochromacy



**Original Color**  
291ABF

**Achromatopsia**  
313131

**Achromatomaly**  
2E2965

# CSS Examples

## Text

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

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

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 #291ABF colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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