

# Converting Colors

Hex(2A1C9E)

Have a look what the booklet for  
Hex(2A1C9E) contains.

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# Color

Hex(2A1C9E)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2A1C9E
RGB	42, 28, 158
RGB Percent	16%, 11%, 62%
CMY	0.8353, 0.8902, 0.3804
CMYK	0.73, 0.82, 0.00, 0.38
HSL	246°, 70%, 36%
HSV	246°, 82%, 62%
XYZ	7.5417, 3.7914, 32.6821
YIQ	47.0060, -33.3860, 43.3980

# Conversions

## Conversions Part 2

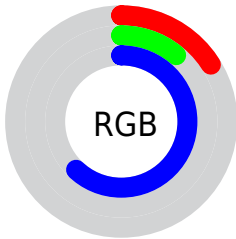
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 28, 158
Decimal	2759838
CIE <sub>Lab</sub>	22.97, 46.88, -66.72
CIE <sub>LCh</sub>	23, 81.547, 305.095
Y <sub>xy</sub>	3.7914, 0.1713, 0.0861
Android (android.graphics.Color)	4280949918 (0xFF2A1C9E)
YUV	47.0060, 54.7200, -4.3903
Hunter-Lab	19.4714, 35.0614, -85.8860

# Details

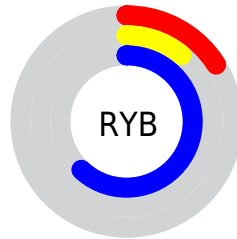
The Hex color **2A1C9E** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **909E1C**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **6B4CD6**, and **000069** is the 20% darker color. If you saturate the color by 10%, you get **1C0C9E**, and if you desaturate by 10%, it is **382C9E**.

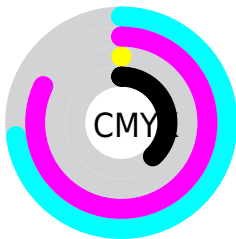
# Distribution



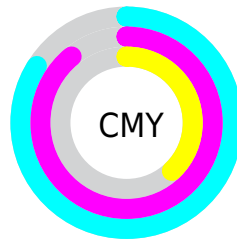
- Red (16%)
- Green (11%)
- Blue (62%)



- Red (16%)
- Yellow (11%)
- Blue (62%)



- Cyan (73%)
- Magenta (82%)
- Yellow (0%)
- Black (38%)



- Cyan (84%)
- Magenta (89%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A1C9E 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 2A1C9E by changing the saturation by 10% instead.





2A1C9E



2A1C9E

FFFFFF



000383



6B4CD6



000069



8865F3



000050



A67FFF



000538



C399FF



000222



E1B4FF



000007



FFD0FF



000000



FFEDFF



2A1C9E



2A1C9E

■ 1C0C9E

■ 382C9E

■ 11009E

■ 463C9E

■ 544B9E

■ 625B9E

■ 706B9E

■ 7F7B9E

■ 8D8B9E

■ 9B9A9E

■ A9AA9E

# Harmonies

## Analogous

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



003FB5



2A1C9E



81006C

# Triad

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



2A1C9E



6B1A00



004A40

# Complementary

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



2A1C9E



909E1C

# 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.



004800



2A1C9E



3B3900

# Square

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



2A1C9E



8C0000



004400



004C7D

# Rectangle

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



2A1C9E



940044



004400



004A2B



# Sweetspot

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



2A1C9E



A09BCF



1C919E



4D4969



E8E8E8



696969



# Same Dimension

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



2A1C9E



1802CF



6A1C9E



48474F



0F008F



02000F



# Inverse Universe

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



9E1C90



CF02B9



509E1C



4F474E



8F007F

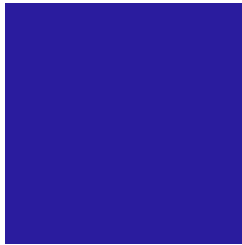


0F000E



# Previews

## White Background



This preview shows how the Hex color 2A1C9E looks on a white background.

## Color Contrast Check

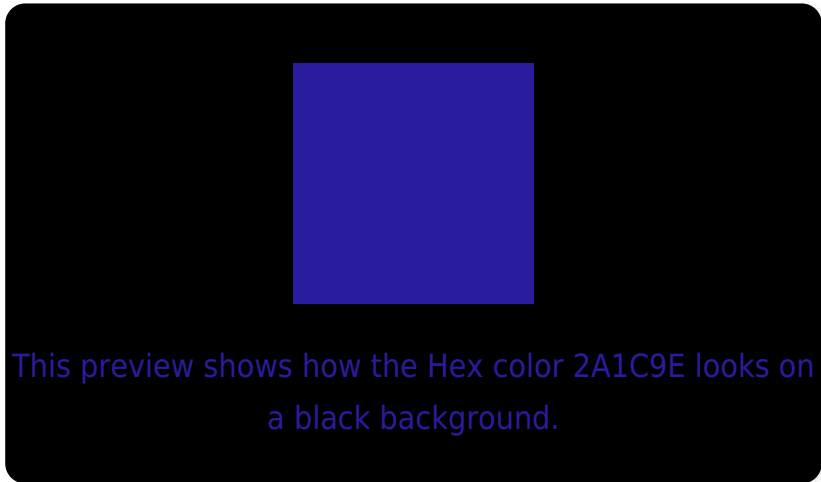
Large Text (above 18pt) WCAG AA ✓ Pass

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

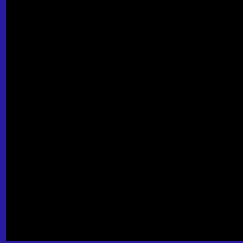
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A1C9E Background



This preview shows how black text looks on a background with the Hex color 2A1C9E.



This preview shows how white text looks on a background with the Hex color 2A1C9E.

# 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**  
2A1C9E

**Protanopia**  
003670

**Deuteranopia**  
003960



**Tritanopia**  
003E41

# Trichromacy



**Original Color**  
2A1C9E

**Protanomaly**  
0F2D81

**Deuteranomaly**  
0F2E77

**Tritanomaly**  
0F3263

# Monochromacy



**Original Color**  
2A1C9E

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
2D2857

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A1C9E 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 #2A1C9E looks like.

```
.text, #text, p{  
    color:#2A1C9E  
}
```

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 #2A1C9E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A1C9E
}
```

## Border

The CSS property to change the border of an element to Hex 2A1C9E 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
#2A1C9E }
```

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

```
.border{ border-color:#2A1C9E }
```

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

Here you see how a box with a 4 pixel #2A1C9E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A1C9E; -webkit-box-shadow:4px 4px  
4px 4px #2A1C9E; box-shadow:4px 4px 4px  
4px #2A1C9E }
```

# Background

The CSS property to change the background color of an element to Hex 2A1C9E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A1C9E }
```

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

```
.background{ background-color:#2A1C9E }
```

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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