

# Converting Colors

Hex(2A2E9B)

Have a look what the booklet for  
Hex(2A2E9B) contains.

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# Color

**Hex(2A2E9B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2A2E9B
RGB	42, 46, 155
RGB Percent	16%, 18%, 61%
CMY	0.8353, 0.8196, 0.3922
CMYK	0.73, 0.70, 0.00, 0.39
HSL	238°, 57%, 39%
HSV	238°, 73%, 61%
XYZ	7.8482, 4.8128, 31.5257
YIQ	57.2300, -37.3730, 33.0510

# Conversions

## Conversions Part 2

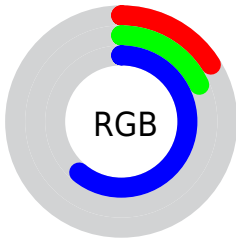
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 46, 155
Decimal	2764443
CIE Lab	26.19, 35.85, -59.56
CIE LCh	26, 69.521, 301.047
Yxy	4.8128, 0.1776, 0.1089
Android (android.graphics.Color)	4280954523 (0xFF2A2E9B)
YUV	57.2300, 48.2006, -13.3567
Hunter-Lab	21.9381, 25.4659, -69.8449




# Details

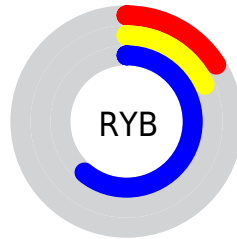
The Hex color **2A2E9B** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **9B972A**, and the grayscale version is **393939**.




A 20% lighter version of the original color is **695DD3**, and **000567** is the 20% darker color. If you saturate the color by 10%, you get **1A1F9B**, and if you desaturate by 10%, it is **393D9B**.

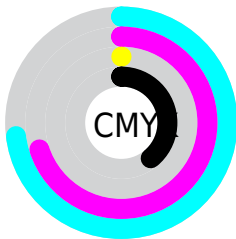
# Distribution







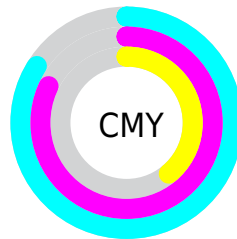
-  Red (16%)
-  Green (18%)
-  Blue (61%)






-  Red (16%)
-  Yellow (18%)
-  Blue (61%)



-  Cyan (73%)
-  Magenta (70%)
-  Yellow (0%)
-  Black (39%)



-  Cyan (84%)
-  Magenta (82%)
-  Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A2E9B 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 2A2E9B by changing the saturation by 10% instead.





2A2E9B



2A2E9B

FFFFFF



001980



695DD3



000567



8575EF



00004E



A28FFF



000536



BFAAFF



000220



DDC5FF



000003



FBE1FF



000000

FFFEFF



2A2E9B



2A2E9B

■ 1A1F9B

■ 393D9B

■ 0B109B

■ 494C9B

■ 00059B

■ 585B9B

■ 686A9B

■ 78799B

■ 87889B

■ 96979B

■ A6A69B

■ B5B59B

# Harmonies

## Analogous

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



0046AB



2A2E9B



7B0072

# Triad

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



2A2E9B



732300



00513F

# Complementary

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



2A2E9B



9B972A

# 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.



004F00



2A2E9B



4B3D00

# Square

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



2A2E9B



8E000A



094900



005274

# Rectangle

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



2A2E9B



8F0050



094900



00502C



# Sweetspot

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



2A2E9B



9D9FC9



2A9B95



4B4C66



E6E6E6



666666



# Same Dimension

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



2A2E9B



1A20C9



5D2A9B



45454D



00058C



00000D



# Inverse Universe

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



9B2A2E



C91A20



689B2A



4D4545



8C0005

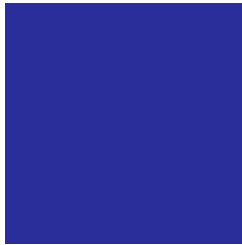


0D0000



# Previews

## White Background



This preview shows how the Hex color 2A2E9B looks on a white background.

## Color Contrast Check

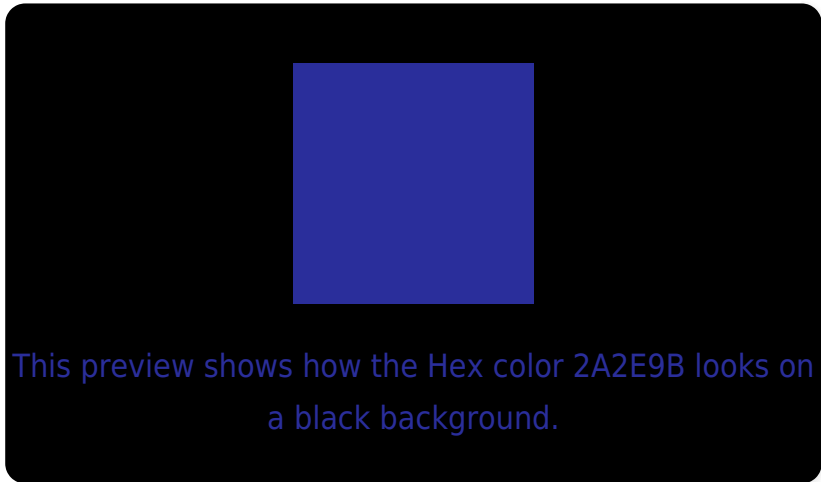
Large Text (above 18pt) WCAG AA ✓ Pass

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

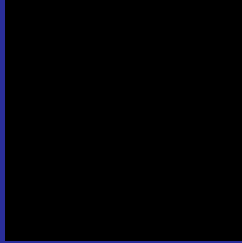
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A2E9B Background



This preview shows how black text looks on a background with the Hex color 2A2E9B.



This preview shows how white text looks on a background with the Hex color 2A2E9B.

# 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





# Trichromacy



**Original Color**  
2A2E9B

**Protanomaly**  
0F3789

**Deuteranomaly**  
0F397D

**Tritanomaly**  
0F3D67

# Monochromacy



**Original Color**  
2A2E9B

**Achromatopsia**  
393939

**Achromatomaly**  
34355D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A2E9B 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 #2A2E9B looks like.

```
.text, #text, p{  
    color:#2A2E9B  
}
```

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 #2A2E9B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A2E9B
}
```

## Border

The CSS property to change the border of an element to Hex 2A2E9B 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".

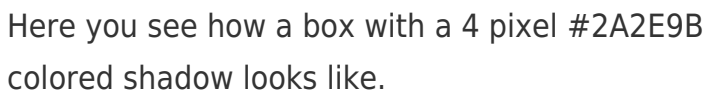
```
.border, #border, table{ border:4px solid
#2A2E9B }
```

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

```
.border{ border-color:#2A2E9B }
```

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

Here you see how a box with a 4 pixel #2A2E9B colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A2E9B; -webkit-box-shadow:4px 4px  
4px 4px #2A2E9B; box-shadow:4px 4px 4px  
4px #2A2E9B }
```

# Background

The CSS property to change the background color of an element to Hex 2A2E9B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A2E9B }
```

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

```
.background{ background-color:#2A2E9B }
```

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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