

# Converting Colors

Hex(2B2B97)

Have a look what the booklet for  
Hex(2B2B97) contains.

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# Color

**Hex(2B2B97)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2B2B97
RGB	43, 43, 151
RGB Percent	17%, 17%, 59%
CMY	0.8314, 0.8314, 0.4078
CMYK	0.72, 0.72, 0.00, 0.41
HSL	240°, 56%, 38%
HSV	240°, 72%, 59%
XYZ	7.4461, 4.4757, 29.7496
YIQ	55.3120, -34.6680, 33.5880

# Conversions

## Conversions Part 2

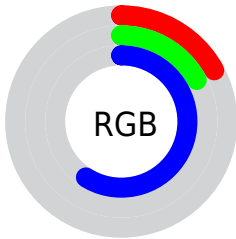
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	43, 43, 151
Decimal	2829207
CIE <sub>Lab</sub>	25.19, 36.42, -58.77
CIE <sub>LCh</sub>	25, 69.139, 301.787
Yxy	4.4757, 0.1787, 0.1074
Android (android.graphics.Color)	4281019287 (0xFF2B2B97)
YUV	55.3120, 47.1742, -10.7976
Hunter-Lab	21.1559, 25.8023, -68.5651

# Details

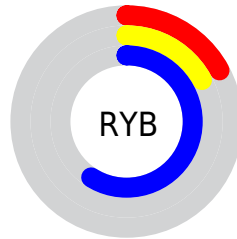
The Hex color **2B2B97** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **97972B**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **695ACE**, and **000163** is the 20% darker color. If you saturate the color by 10%, you get **1C1C97**, and if you desaturate by 10%, it is **3A3A97**.

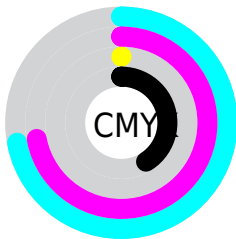
# Distribution



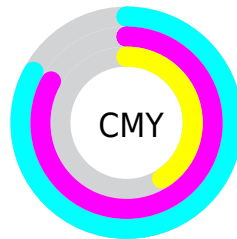
- Red (17%)
- Green (17%)
- Blue (59%)



- Red (17%)
- Yellow (17%)
- Blue (59%)



- Cyan (72%)
- Magenta (72%)
- Yellow (0%)
- Black (41%)



- Cyan (83%)
- Magenta (83%)
- Yellow (41%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B2B97 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 2B2B97 by changing the saturation by 10% instead.



■ 2B2B97

■ 2B2B97

FFFFFF

■ 00167C

■ 695ACE

■ 000163

■ 8572EB

■ 00004A

■ A28CFF

■ 000432

■ BFA7FF

■ 00021C

■ DCC2FF

■ 000000

■ FADEFF

■ FFFBFF

■ 2B2B97

■ 2B2B97

■ 1C1C97

■ 3A3A97

■ 0D0D97

■ 494997

■ 000097

■ 585897

■ 676797

■ 777797

■ 868697

■ 959597

■ A4A497

■ B3B397

# Harmonies

## Analogous

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



0043A8



2B2B97



79006E

# Triad

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



2B2B97



6F2100



004E3E

# Complementary

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



2B2B97



97972B

# 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.



004C00



2B2B97



483B00

# Square

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



2B2B97



8A0005



014700



004F73

# Rectangle

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



2B2B97



8C004D



014700



004E2B



# Sweetspot

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



2B2B97



9B9BC4



2B9797



4B4B63



E3E3E3



636363



# Same Dimension

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



2B2B97



1B1BC4



612B97



45454D



00008C



00000D



# Inverse Universe

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



972B97



C41BC4



61972B



4D454D



8C008C

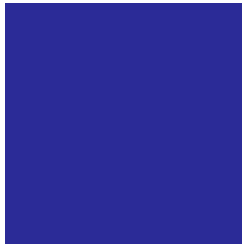


0D000D



# Previews

## White Background



This preview shows how the Hex color 2B2B97 looks on a white background.

## Color Contrast Check

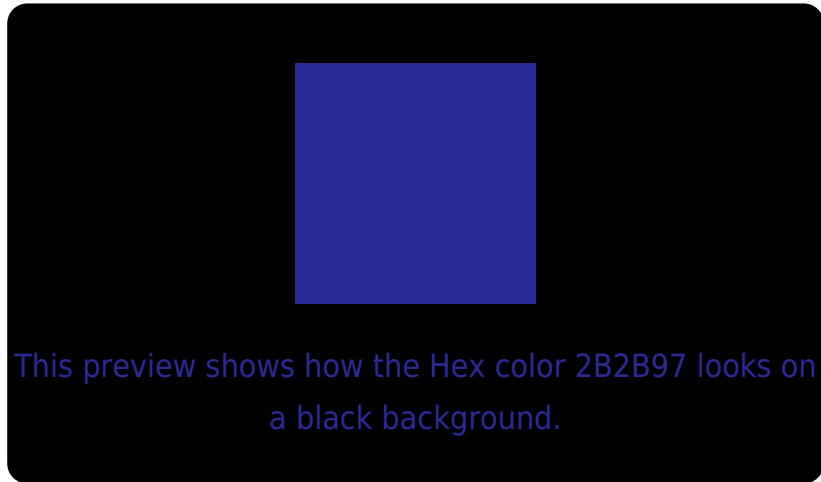
Large Text (above 18pt) WCAG AA ✓ Pass

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

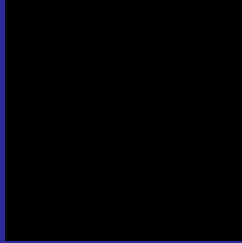
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B2B97 Background



This preview shows how black text looks on a background with the Hex color 2B2B97.



This preview shows how white text looks on a background with the Hex color 2B2B97.

# 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**  
2B2B97

**Protanopia**  
003A7A

**Deuteranopia**  
003E68



# Trichromacy



**Original Color**  
2B2B97

**Protanomaly**  
103585

**Deuteranomaly**  
103779

**Tritanomaly**  
103A64

# Monochromacy



**Original Color**  
2B2B97

**Achromatopsia**  
373737

**Achromatomaly**  
33335A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B2B97 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 #2B2B97 looks like.

```
.text, #text, p{  
  color:#2B2B97  
}
```

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 #2B2B97 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B2B97
}
```

## Border

The CSS property to change the border of an element to Hex 2B2B97 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
#2B2B97 }
```

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

```
.border{ border-color:#2B2B97 }
```

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

Here you see how a box with a 4 pixel #2B2B97 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B2B97; -webkit-box-shadow:4px 4px  
4px 4px #2B2B97; box-shadow:4px 4px 4px  
4px #2B2B97 }
```

# Background

The CSS property to change the background color of an element to Hex 2B2B97 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B2B97 }
```

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

```
.background{ background-color:#2B2B97 }
```

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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