

# Converting Colors

Hex(2B2BB9)

Have a look what the booklet for  
Hex(2B2BB9) contains.

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# Color

**Hex(2B2BB9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2B2BB9
RGB	43, 43, 185
RGB Percent	17%, 17%, 73%
CMY	0.8314, 0.8314, 0.2745
CMYK	0.77, 0.77, 0.00, 0.27
HSL	240°, 62%, 45%
HSV	240°, 77%, 73%
XYZ	10.6171, 5.7441, 46.4481
YIQ	59.1880, -45.5820, 44.1620

# Conversions

## Conversions Part 2

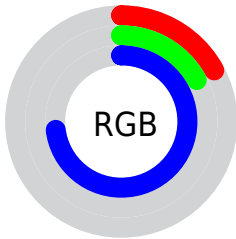
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	43, 43, 185
Decimal	2829241
CIE <sub>Lab</sub>	28.76, 47.88, -73.39
CIE <sub>LCh</sub>	29, 87.627, 303.122
Yxy	5.7441, 0.1690, 0.0915
Android (android.graphics.Color)	4281019321 (0xFF2B2BB9)
YUV	59.1880, 62.0253, -14.1969
Hunter-Lab	23.9669, 37.1316, -98.1277

# Details

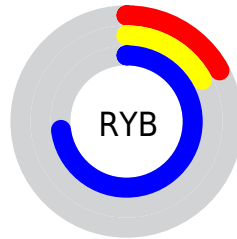
The Hex color **2B2BB9** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **B9B92B**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **715BF2**, and **000082** is the 20% darker color. If you saturate the color by 10%, you get **1818B9**, and if you desaturate by 10%, it is **3D3DB9**.

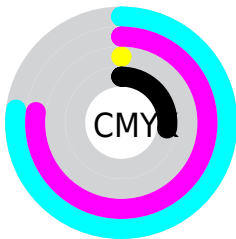
# Distribution



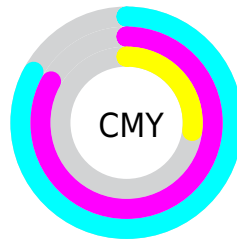
- Red (17%)
- Green (17%)
- Blue (73%)



- Red (17%)
- Yellow (17%)
- Blue (73%)



- Cyan (77%)
- Magenta (77%)
- Yellow (0%)
- Black (27%)



- Cyan (83%)
- Magenta (83%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B2BB9 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 2B2BB9 by changing the saturation by 10% instead.




 2B2BB9

 2B2BB9

FFFFFF

 00149D

 715BF2

 000082

 8F74FF

 000068

 AE8EFF

 000A4F

 CCA9FF

 000537

 EAC5FF

 000221

 FFE1FF

 000006

FFFEFF

 000000

 2B2BB9

 2B2BB9

■ 1818B9

■ 3D3DB9

■ 0606B9

■ 5050B9

■ 0000B9

■ 6363B9

■ 7575B9

■ 8888B9

■ 9A9AB9

■ ADADB9

■ BFBFB9

■ D2D2B9

# Harmonies

## Analogous

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



004ED0



2B2BB9



940083

# Triad

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



2B2BB9



822100



005A4A

# Complementary

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



2B2BB9



B9B92B

# 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.



005800



2B2BB9



4E4500

# Square

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



2B2BB9



A50000



005200



005C8E

# Rectangle

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



2B2BB9



AB0057



005200



005932



# Sweetspot

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



2B2BB9



B9B9F0



2BB9B9



565678



F7F7F7



787878



# Same Dimension

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



2B2BB9



1313F0



722BB9



53535C



00009C



00001C



# Inverse Universe

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



B92BB9



F013F0



72B92B



5C535C



9C009C

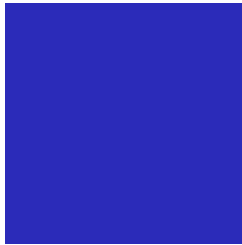


1C001C



# Previews

## White Background



This preview shows how the Hex color 2B2BB9 looks on a white background.

## Color Contrast Check

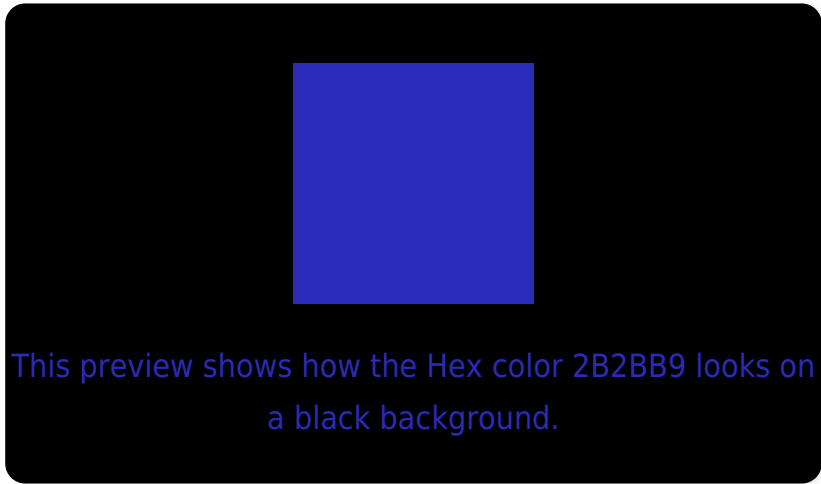
Large Text (above 18pt) WCAG AA ✓ Pass

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

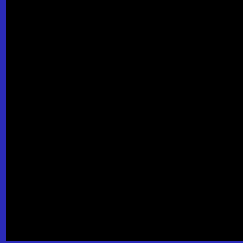
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B2BB9 Background



This preview shows how black text looks on a background with the Hex color 2B2BB9.



This preview shows how white text looks on a background with the Hex color 2B2BB9.

# 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**  
2B2BB9

**Protanopia**  
004189

**Deuteranopia**  
004675



**Tritanopia**  
004B50

# Trichromacy



**Original Color**  
2B2BB9

**Protanomaly**  
10399A

**Deuteranomaly**  
103C8E

**Tritanomaly**  
103F76

# Monochromacy



**Original Color**  
2B2BB9

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
353569

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B2BB9 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 #2B2BB9 looks like.

```
.text, #text, p{  
    color:#2B2BB9  
}
```

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 #2B2BB9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B2BB9
}
```

## Border

The CSS property to change the border of an element to Hex 2B2BB9 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
#2B2BB9 }
```

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

```
.border{ border-color:#2B2BB9 }
```

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

Here you see how a box with a 4 pixel #2B2BB9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B2BB9; -webkit-box-shadow:4px 4px  
4px 4px #2B2BB9; box-shadow:4px 4px 4px  
4px #2B2BB9 }
```

# Background

The CSS property to change the background color of an element to Hex 2B2BB9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B2BB9 }
```

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

```
.background{ background-color:#2B2BB9 }
```

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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