

# Converting Colors

Hex(2B0EBA)

Have a look what the booklet for  
Hex(2B0EBA) contains.

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# Color

**Hex(2B0EBA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2B0EBA
RGB	43, 14, 186
RGB Percent	17%, 5%, 73%
CMY	0.8314, 0.9451, 0.2706
CMYK	0.77, 0.92, 0.00, 0.27
HSL	250°, 86%, 39%
HSV	250°, 92%, 73%
XYZ	10.0162, 4.3728, 46.7705
YIQ	42.2790, -37.9280, 59.6400

# Conversions

## Conversions Part 2

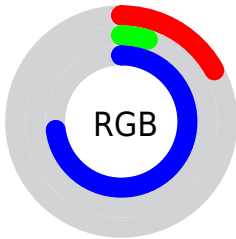
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	43, 14, 186
Decimal	2821818
CIE <sub>Lab</sub>	24.87, 60.02, -80.44
CIE <sub>LCh</sub>	25, 100.364, 306.726
Yxy	4.3728, 0.1638, 0.0715
Android (android.graphics.Color)	4281011898 (0xFF2B0EBA)
YUV	42.2790, 70.8545, 0.6323
Hunter-Lab	20.9113, 48.9041, -117.9707

# Details

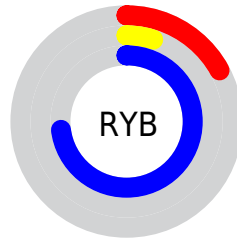
The Hex color **2B0EBA** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **9DBA0E**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **7345F4**, and **000083** is the 20% darker color. If you saturate the color by 10%, you get **1F00BA**, and if you desaturate by 10%, it is **3A21BA**.

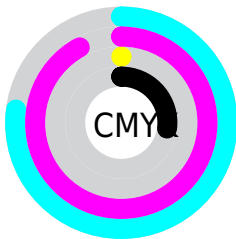
# Distribution



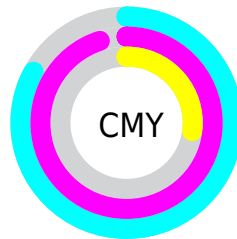
- Red (17%)
- Green (5%)
- Blue (73%)



- Red (17%)
- Yellow (5%)
- Blue (73%)



- Cyan (77%)
- Magenta (92%)
- Yellow (0%)
- Black (27%)



- Cyan (83%)
- Magenta (95%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B0EBA 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 2B0EBA by changing the saturation by 10% instead.



 2B0EBA

 2B0EBA

FFFFFF

 00009E


 7345F4

 000083

 925FFF

 000069

 B17AFF

 000A4F

 CF94FF

 000538

 EEB0FF

 000221

 FFCCFF

 000006

 FFE9FF

 000000

 2B0EBA

 2B0EBA

■ 1F00BA

■ 3A21BA

■ 4A33BA

■ 5946BA

■ 6958BA

■ 786BBA

■ 887EBA

■ 9790BA

■ A7A3BA

■ B6B5BA

# Harmonies

## Analogous

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



0046DA



2B0EBA



990079

# Triad

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



2B0EBA



761600



00524B

# Complementary

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



2B0EBA



9DBA0E

# 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



2B0EBA



3A3F00

# Square

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



2B0EBA



9F0000



004B00



005497

# Rectangle

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



2B0EBA



AE0047



004B00



005131



# Sweetspot

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



2B0EBA



BAAEF2



0E9DBA



58517A



FAFafa



7A7A7A



# Same Dimension

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



2B0EBA



2900F2



810EBA



54535C



1A009C



05001C



# Inverse Universe

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



BA0E9D



F200C9



47BA0E



5C535A



9C0081

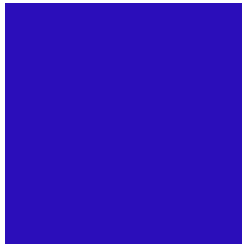


1C0017



# Previews

## White Background



This preview shows how the Hex color 2B0EBA looks on a white background.

## Color Contrast Check

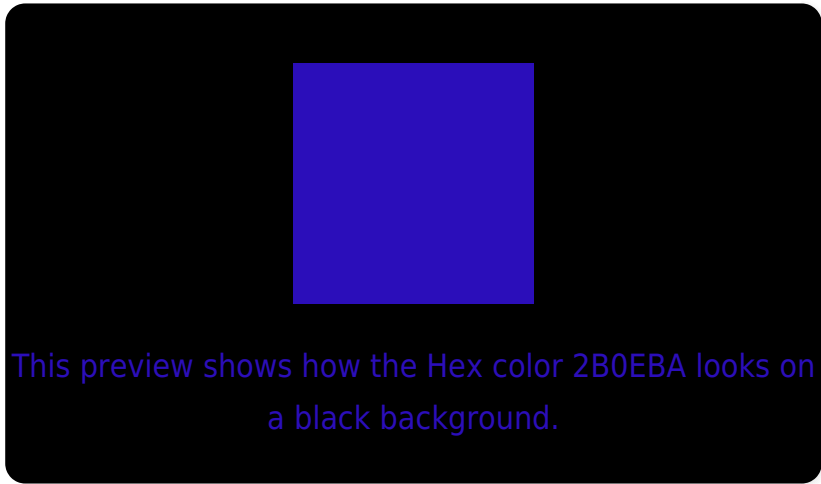
Large Text (above 18pt) WCAG AA ✓ Pass

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

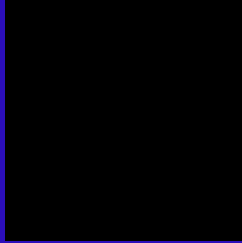
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B0EBA Background



This preview shows how black text looks on a background with the Hex color 2B0EBA.



This preview shows how white text looks on a background with the Hex color 2B0EBA.

# 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**  
2B0EBA

**Protanopia**  
003A7A

**Deuteranopia**  
003E67



# Trichromacy



**Original Color**  
2B0EBA

**Protanomaly**  
102A91

**Deuteranomaly**  
102D85

**Tritanomaly**  
103070

# Monochromacy



**Original Color**  
2B0EBA

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
2A205E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B0EBA 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 #2B0EBA looks like.

```
.text, #text, p{  
    color:#2B0EBA  
}
```

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 #2B0EBA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B0EBA
}
```

## Border

The CSS property to change the border of an element to Hex 2B0EBA 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".

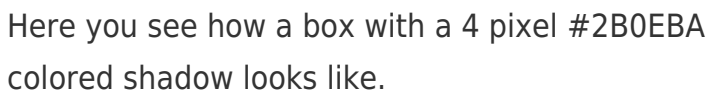
```
.border, #border, table{ border:4px solid
#2B0EBA }
```

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

```
.border{ border-color:#2B0EBA }
```

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

Here you see how a box with a 4 pixel #2B0EBA colored shadow looks like.

A rectangular box with a thick 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 #2B0EBA; -webkit-box-shadow:4px 4px  
4px 4px #2B0EBA; box-shadow:4px 4px 4px  
4px #2B0EBA }
```

# Background

The CSS property to change the background color of an element to Hex 2B0EBA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B0EBA }
```

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

```
.background{ background-color:#2B0EBA }
```

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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