

# Converting Colors

Hex(2B4BEA)

Have a look what the booklet for  
Hex(2B4BEA) contains.

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# Color

**Hex(2B4BEA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2B4BEA
RGB	43, 75, 234
RGB Percent	17%, 29%, 92%
CMY	0.8314, 0.7059, 0.0824
CMYK	0.82, 0.68, 0.00, 0.08
HSL	230°, 82%, 54%
HSV	230°, 82%, 92%
XYZ	18.3636, 11.4863, 79.0911
YIQ	83.5580, -70.1110, 42.6650

# Conversions

## Conversions Part 2

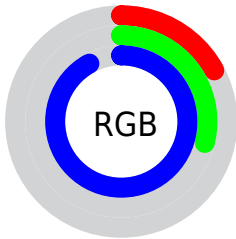
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	43, 70, 234
Decimal	2837482
CIE <sub>Lab</sub>	40.39, 46.00, -82.56
CIE <sub>LCh</sub>	40, 94.515, 299.125
Yxy	11.4863, 0.1686, 0.1054
Android (android.graphics.Color)	4281027562 (0xFF2B4BEA)
YUV	83.5580, 74.1679, -35.5694
Hunter-Lab	33.8914, 37.4081, -114.6390

# Details

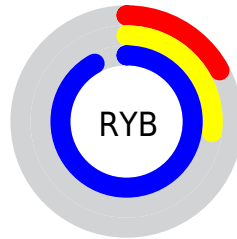
The Hex color **2B4BEA** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **EACA2B**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **7A7CFF**, and **001FB1** is the 20% darker color. If you saturate the color by 10%, you get **1438EA**, and if you desaturate by 10%, it is **425EEA**.

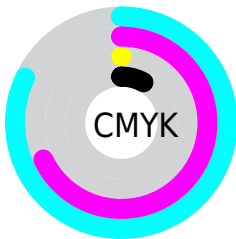
# Distribution



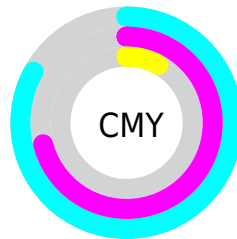
- Red (17%)
- Green (29%)
- Blue (92%)



- Red (17%)
- Yellow (27%)
- Blue (92%)



- Cyan (82%)
- Magenta (68%)
- Yellow (0%)
- Black (8%)



- Cyan (83%)
- Magenta (71%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B4BEA 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 2B4BEA by changing the saturation by 10% instead.



 2B4BEA

 2B4BEA

FFFFFF

 0034CD

 7A7CFF

 001FB1

 9B96FF

 000D95

 BBB1FF

 00007B

 DACCFE

 000C60

 FAE9FF

 000848

 000430

 00011A

 000000

■ 2B4BEA

■ 2B4BEA

■ 1438EA

■ 425EEA

■ 0027EA

■ 5A72EA

■ 7185EA

■ 8999EA

■ A0ACEA

■ B7C0EA

■ CFD3EA

■ E6E7EA

■ FEFAEA

# Harmonies

## Analogous

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



006CFF



2B4BEA



B300B0

# Triad

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



2B4BEA



B03300



007A5B

# Complementary

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



2B4BEA



EACA2B

# 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.



007700



2B4BEA



775C00

# Square

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



2B4BEA



D5001A



1D6F00



007CAA

# Rectangle

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



2B4BEA



D3007F



1D6F00



007A3F



# Sweetspot

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



2B4BEA



C2CCFF



2BEAC7



5B6180



000000



808080



# Same Dimension

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



2B4BEA



052FFF



672BEA



6A6C75



001EB5



000936



# Inverse Universe

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



EA2B4B



FF052F



AEEA2B



756A6C



B5001E

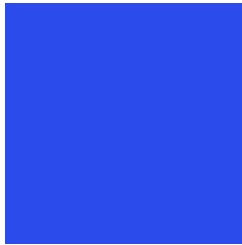


360009



# Previews

## White Background



This preview shows how the Hex color 2B4BEA looks on a white background.

## Color Contrast Check

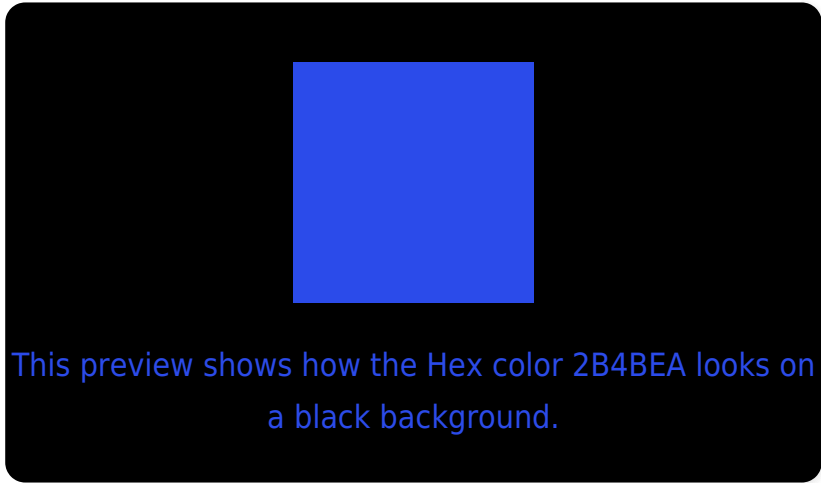
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

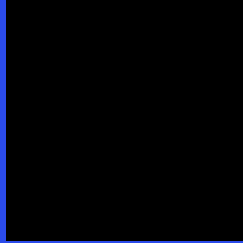
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B4BEA Background



This preview shows how black text looks on a background with the Hex color 2B4BEA.



This preview shows how white text looks on a background with the Hex color 2B4BEA.

# 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**  
2B4BEA

**Tritanopia**  
00696F

# Trichromacy



**Original Color**

2B4BEA



**Tritanomaly**

105E9C

# Monochromacy



**Original Color**

2B4BEA



**Achromatopsia**

545454



**Achromatomaly**

45518B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B4BEA 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 #2B4BEA looks like.

```
.text, #text, p{  
    color:#2B4BEA  
}
```

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 #2B4BEA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B4BEA
}
```

## Border

The CSS property to change the border of an element to Hex 2B4BEA is called "border". The border property can be set on classes, ids or directly on the HTML element.

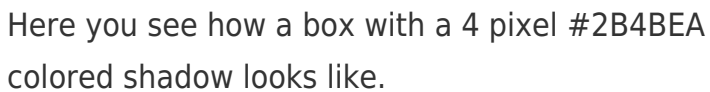
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2B4BEA }
```

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

```
.border{ border-color:#2B4BEA }
```

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



Here you see how a box with a 4 pixel #2B4BEA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B4BEA; -webkit-box-shadow:4px 4px  
4px 4px #2B4BEA; box-shadow:4px 4px 4px  
4px #2B4BEA }
```

# Background

The CSS property to change the background color of an element to Hex 2B4BEA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B4BEA }
```

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

```
.background{ background-color:#2B4BEA }
```

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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