

# Converting Colors

Hex(2A3EEE)

Have a look what the booklet for  
Hex(2A3EEE) contains.

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# Color

Hex(2A3EEE)

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 2A3EEE                     |
| RGB         | 42, 62, 238                |
| RGB Percent | 16%, 24%, 93%              |
| CMY         | 0.8353, 0.7569, 0.0667     |
| CMYK        | 0.82, 0.74, 0.00, 0.07     |
| HSL         | 234°, 85%, 55%             |
| HSV         | 234°, 82%, 93%             |
| XYZ         | 18.1101, 10.1105, 81.8859  |
| YIQ         | 76.0840, -68.4160, 50.4960 |

# Conversions

## Conversions Part 2

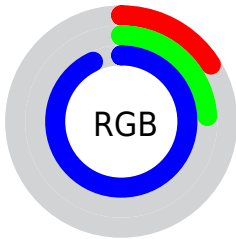
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 42, 60, 238                    |
| Decimal                             | 2768622                        |
| CIE Lab                             | 38.04, 54.78, -88.71           |
| CIE LCh                             | 38, 104.259, 301.700           |
| Yxy                                 | 10.1105, 0.1645,<br>0.0918     |
| Android<br>(android.graphics.Color) | 4280958702<br>(0xFF2A3EEE)     |
| YUV                                 | 76.0840, 79.8246,<br>-29.8917  |
| Hunter-Lab                          | 31.7971, 46.0202,<br>-130.4296 |

# Details

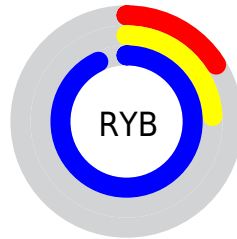
The Hex color **2A3EEE** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **EEDA2A**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **7C6FFF**, and **0010B4** is the 20% darker color. If you saturate the color by 10%, you get **1229EE**, and if you desaturate by 10%, it is **4253EE**.

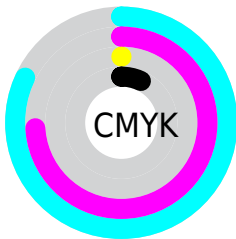
# Distribution



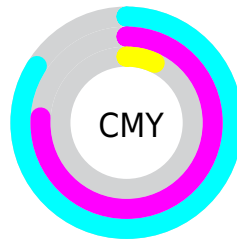
- Red (16%)
- Green (24%)
- Blue (93%)



- Red (16%)
- Yellow (24%)
- Blue (93%)



- Cyan (82%)
- Magenta (74%)
- Yellow (0%)
- Black (7%)



- Cyan (84%)
- Magenta (76%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A3EEE 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 2A3EEE by changing the saturation by 10% instead.



 2A3EEE

 2A3EEE

FFFFFF

 0027D1

 7C6FFF

 0010B4

 9D89FF

 000099

 BDA4FF

 00007E

 DDBFFF

 000D63

 FDDCFF

 00094A

 FFF8FF

 000433

 00021D

 000000

■ 2A3EEE

■ 2A3EEE

■ 1229EE

■ 4253EE

■ 0018EE

■ 5A69EE

■ 717EEE

■ 8993EE

■ A1A9EE

■ B9BEEE

■ D1D4EE

■ E8E9EE

■ FFFEEE

# Harmonies

## Analogous

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



0067FF



2A3EEE



BA00AC

# Triad

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



2A3EEE



A92B00



00755D

# Complementary

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



2A3EEE



EEDA2A

# 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.



007200



2A3EEE



6A5900

# Square

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



2A3EEE



D40005



006B00



0077B2

# Rectangle

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



2A3EEE



D90075



006B00



00743E



# Sweetspot

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



2A3EEE



BFC6FF



2AEED7



595D80



000000



808080



# Same Dimension

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



2A3EEE



031CFF



752AEE



6C6D78



0013B8



000638



# Inverse Universe

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



EE2A3E



FF031C



A3EE2A



786C6D



B80013

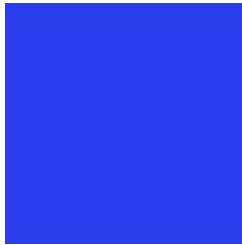


380006



# Previews

## White Background



This preview shows how the Hex color 2A3EEE looks on a white background.

## Color Contrast Check

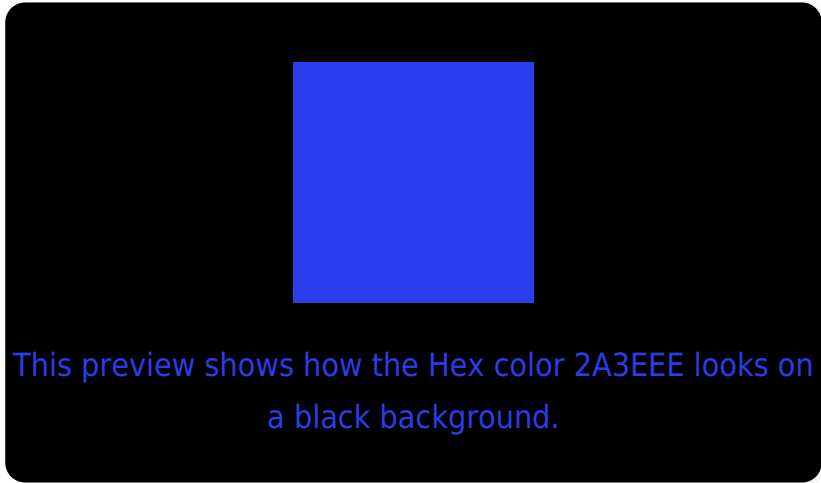
Large Text (above 18pt) WCAG AA ✓ Pass

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

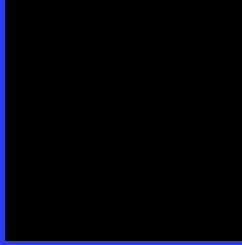
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A3EEE Background



This preview shows how black text looks on a background with the Hex color 2A3EEE.



This preview shows how white text looks on a background with the Hex color 2A3EEE.

# 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**  
2A3EEE

**Protanopia**  
0055B4

**Deuteranopia**  
005B99



# Trichromacy



**Original Color**  
2A3EEE

**Protanomaly**  
0F4DC9

**Deuteranomaly**  
0F50B8

**Tritanomaly**  
0F5599

# Monochromacy



**Original Color**  
2A3EEE

**Achromatopsia**  
4C4C4C

**Achromatomaly**  
404787

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A3EEE 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 #2A3EEE looks like.

```
.text, #text, p{  
    color:#2A3EEE  
}
```

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 #2A3EEE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A3EEE
}
```

## Border

The CSS property to change the border of an element to Hex 2A3EEE 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
#2A3EEE }
```

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

```
.border{ border-color:#2A3EEE }
```

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

Here you see how a box with a 4 pixel #2A3EEE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A3EEE; -webkit-box-shadow:4px 4px  
4px 4px #2A3EEE; box-shadow:4px 4px 4px  
4px #2A3EEE }
```

# Background

The CSS property to change the background color of an element to Hex 2A3EEE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A3EEE }
```

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

```
.background{ background-color:#2A3EEE }
```

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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