

# Converting Colors

Hex(2834EB)

Have a look what the booklet for  
Hex(2834EB) contains.

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# Color

Hex(2834EB)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2834EB
RGB	40, 52, 235
RGB Percent	16%, 20%, 92%
CMY	0.8431, 0.7961, 0.0784
CMYK	0.83, 0.78, 0.00, 0.08
HSL	236°, 83%, 54%
HSV	236°, 83%, 92%
XYZ	17.0985, 8.9053, 79.4150
YIQ	69.2740, -65.8950, 54.3690

# Conversions

## Conversions Part 2

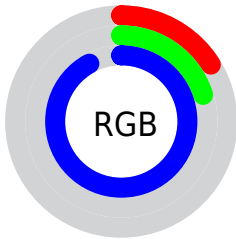
Format	Color
R <sub>Y</sub> B	40, 51, 235
Decimal	2634987
CIE Lab	35.80, 58.97, -90.72
CIE LCh	36, 108.202, 303.028
Yxy	8.9053, 0.1622, 0.0845
Android (android.graphics.Color)	4280825067 (0xFF2834EB)
YUV	69.2740, 81.7029, -25.6733
Hunter-Lab	29.8417, 50.0526, -136.8939

# Details

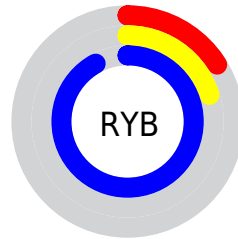
The Hex color **2834EB** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **EBDF28**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **7B66FF**, and **0002B2** is the 20% darker color. If you saturate the color by 10%, you get **111EEB**, and if you desaturate by 10%, it is **3F4AEB**.

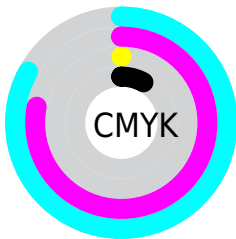
# Distribution



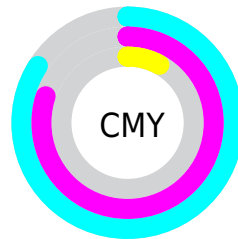
- Red (16%)
- Green (20%)
- Blue (92%)



- Red (16%)
- Yellow (20%)
- Blue (92%)



- Cyan (83%)
- Magenta (78%)
- Yellow (0%)
- Black (8%)



- Cyan (84%)
- Magenta (80%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2834EB 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 2834EB by changing the saturation by 10% instead.



 2834EB

 2834EB

FFFFFF

 001CCE

 7B66FF

 0002B2

 9C80FF

 000096

 BD9AFF

 00007B

 DDB6FF

 000F61

 FCD2FF

 000848

 FFEEFF


 000430

 00011B

 000000

 2834EB

 2834EB

 111EEB

 3F4AEB

 000EEB

 5760EB

 6E76EB

 868CEB

 9EA2EB

 B5B8EB

 CCCEEB

 E4E4EB

 FBFAEB

# Harmonies

## Analogous

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



0062FF



2834EB



BA00A5

# Triad

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



2834EB



A22500



00705C

# Complementary

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



2834EB



EBDF28

# 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.



006D00



2834EB



605500

# Square

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



2834EB



CF0000



006700



0072B3

# Rectangle

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



2834EB



D7006D



006700



006F3D



# Sweetspot

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



2834EB



BFC3FF



28EBDE



595C80



000000



808080



# Same Dimension

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



2834EB



0010FF



7D28EB



6A6A75



000BB5



000336



# Inverse Universe

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



EB2834



FF0010



96EB28



756A6A



B5000B

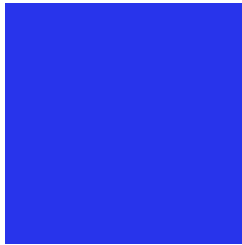


360003



# Previews

## White Background



This preview shows how the Hex color 2834EB looks on a white background.

## Color Contrast Check

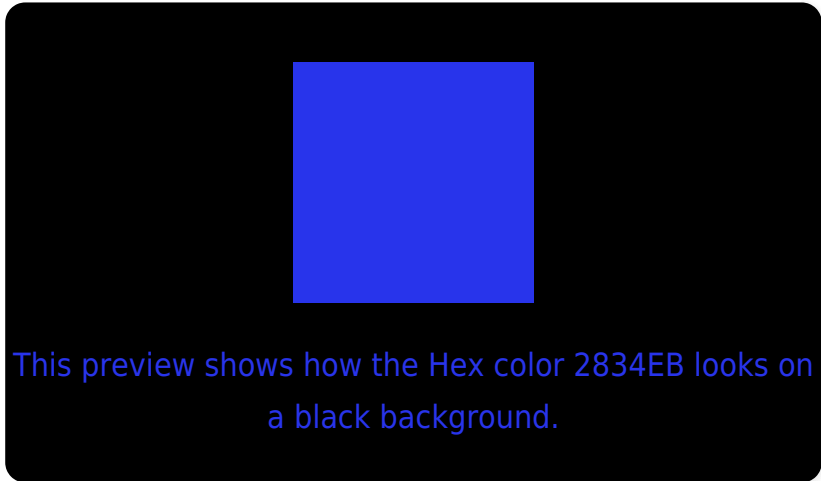
Large Text (above 18pt) WCAG AA ✓ Pass

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

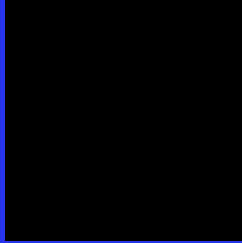
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2834EB Background



This preview shows how black text looks on a background with the Hex color 2834EB.



This preview shows how white text looks on a background with the Hex color 2834EB.

# 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**  
2834EB

**Protanopia**  
0050A9

**Deuteranopia**  
005690



**Tritanopia**  
005D61

# Trichromacy



**Original Color**  
2834EB

**Protanomaly**  
0F46C1

**Deuteranomaly**  
0F4AB1

**Tritanomaly**  
0F4E93

# Monochromacy



**Original Color**  
2834EB

**Achromatopsia**  
454545

**Achromatomaly**  
3A3F81

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2834EB 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 #2834EB looks like.

```
.text, #text, p{  
    color:#2834EB  
}
```

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 #2834EB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2834EB
}
```

## Border

The CSS property to change the border of an element to Hex 2834EB 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
#2834EB }
```

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

```
.border{ border-color:#2834EB }
```

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

Here you see how a box with a 4 pixel #2834EB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2834EB; -webkit-box-shadow:4px 4px  
4px 4px #2834EB; box-shadow:4px 4px 4px  
4px #2834EB }
```

# Background

The CSS property to change the background color of an element to Hex 2834EB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2834EB }
```

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

```
.background{ background-color:#2834EB }
```

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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