

# Converting Colors

Hex(2333E8)

Have a look what the booklet for  
Hex(2333E8) contains.

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# Color

Hex(2333E8)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2333E8
RGB	35, 51, 232
RGB Percent	14%, 20%, 91%
CMY	0.8627, 0.8000, 0.0902
CMYK	0.85, 0.78, 0.00, 0.09
HSL	235°, 81%, 52%
HSV	235°, 85%, 91%
XYZ	16.4425, 8.5512, 77.1279
YIQ	66.8500, -67.6370, 52.8990

# Conversions

## Conversions Part 2

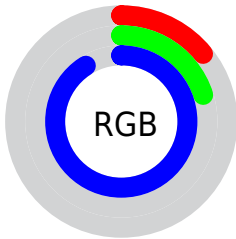
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	35, 50, 232
Decimal	2307048
CIE Lab	35.11, 58.32, -90.17
CIE LCh	35, 107.386, 302.892
Yxy	8.5512, 0.1610, 0.0837
Android (android.graphics.Color)	4280497128 (0xFF2333E8)
YUV	66.8500, 81.4189, -27.9324
Hunter-Lab	29.2424, 49.1930, -135.9098

# Details

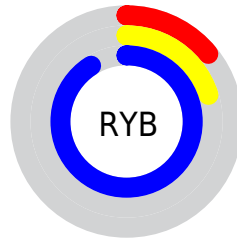
The Hex color **2333E8** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **E8D823**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **7864FF**, and **0002AF** is the 20% darker color. If you saturate the color by 10%, you get **0C1EE8**, and if you desaturate by 10%, it is **3A48E8**.

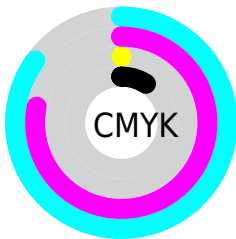
# Distribution



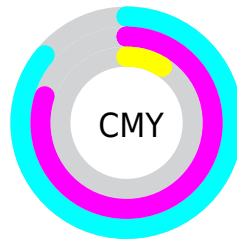
- Red (14%)
- Green (20%)
- Blue (91%)



- Red (14%)
- Yellow (20%)
- Blue (91%)



- Cyan (85%)
- Magenta (78%)
- Yellow (0%)
- Black (9%)



- Cyan (86%)
- Magenta (80%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2333E8 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 2333E8 by changing the saturation by 10% instead.



 2333E8

 2333E8

FFFFFF

 001BCB

 7864FF

 0002AF

 9A7EFF

 000093

 BA99FF

 000078

 DAB4FF

 000E5E

 FAD0FF

 000845

 FFEDFF

 00042E

 000119

 000000

■ 2333E8

■ 2333E8

■ 0C1EE8

■ 3A48E8

■ 0013E8

■ 515EE8

■ 6973E8

■ 8088E8

■ 979EE8

■ AEB3E8

■ C5C8E8

■ DDDEE8

■ F4F3E8

# Harmonies

## Analogous

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



0060FF



2333E8



B600A3

# Triad

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



2333E8



A02300



006D59

# Complementary

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



2333E8



E8D823

# 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.



006B00



2333E8



5E5300

# Square

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



2333E8



CC0000



006500



0070B0

# Rectangle

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



2333E8



D4006B



006500



006D3B



# Sweetspot

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



2333E8



BFC4FF



23E8D8



595C80



000000



808080



# Same Dimension

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



2333E8



0015FF



7523E8



676873



000EB3



000433



# Inverse Universe

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



E82333



FF0015



96E823



736768



B3000E

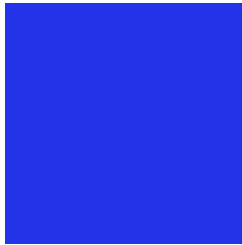


330004



# Previews

## White Background



This preview shows how the Hex color 2333E8 looks on a white background.

## Color Contrast Check

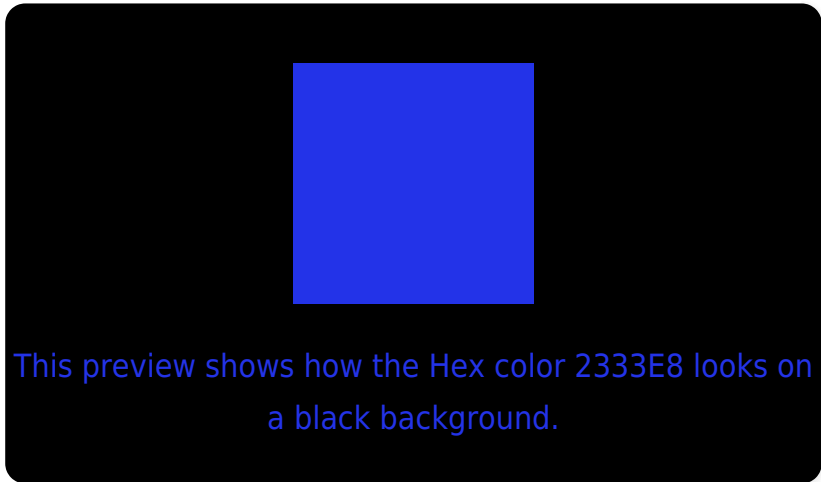
Large Text (above 18pt) WCAG AA ✓ Pass

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

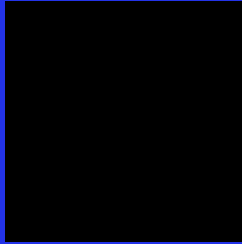
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2333E8 Background



This preview shows how black text looks on a background with the Hex color 2333E8.



This preview shows how white text looks on a background with the Hex color 2333E8.

# 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**  
2333E8

**Protanopia**  
004FA6

**Deuteranopia**  
00548D



**Tritanopia**  
005B60

# Trichromacy



**Original Color**  
2333E8

**Protanomaly**  
0D45BE

**Deuteranomaly**  
0D48AE

**Tritanomaly**  
0D4C91

# Monochromacy



**Original Color**  
2333E8

**Achromatopsia**  
434343

**Achromatomaly**  
373D7F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2333E8 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 #2333E8 looks like.

```
.text, #text, p{  
    color:#2333E8  
}
```

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 #2333E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2333E8
}
```

## Border

The CSS property to change the border of an element to Hex 2333E8 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
#2333E8 }
```

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

```
.border{ border-color:#2333E8 }
```

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

Here you see how a box with a 4 pixel #2333E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2333E8; -webkit-box-shadow:4px 4px  
4px 4px #2333E8; box-shadow:4px 4px 4px  
4px #2333E8 }
```

# Background

The CSS property to change the background color of an element to Hex 2333E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2333E8 }
```

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

```
.background{ background-color:#2333E8 }
```

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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