

# Converting Colors

Hex(2E3BD1)

Have a look what the booklet for  
Hex(2E3BD1) contains.

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# Color

**Hex(2E3BD1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E3BD1
RGB	46, 59, 209
RGB Percent	18%, 23%, 82%
CMY	0.8196, 0.7686, 0.1804
CMYK	0.78, 0.72, 0.00, 0.18
HSL	235°, 64%, 50%
HSV	235°, 78%, 82%
XYZ	14.1993, 8.3122, 61.1776
YIQ	72.2130, -55.8980, 43.8940

# Conversions

## Conversions Part 2

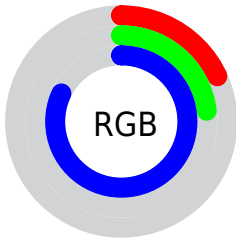
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 58, 209
Decimal	3029969
CIELab	34.62, 47.09, -77.75
CIElCh	35, 90.901, 301.204
Yxy	8.3122, 0.1697, 0.0993
Android (android.graphics.Color)	4281220049 (0xFF2E3BD1)
YUV	72.2130, 67.4360, -22.9888
Hunter-Lab	28.8309, 37.4576, -105.6285

# Details

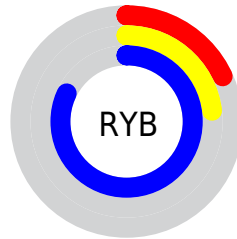
The Hex color **2E3BD1** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **D1C42E**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **776BFF**, and **000F99** is the 20% darker color. If you saturate the color by 10%, you get **1928D1**, and if you desaturate by 10%, it is **434ED1**.

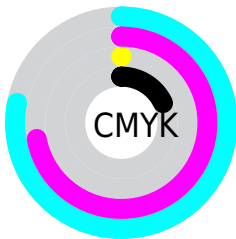
# Distribution



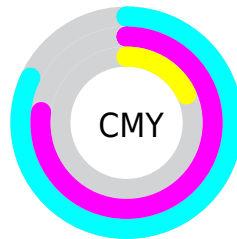
- Red (18%)
- Green (23%)
- Blue (82%)



- Red (18%)
- Yellow (23%)
- Blue (82%)



- Cyan (78%)
- Magenta (72%)
- Yellow (0%)
- Black (18%)



- Cyan (82%)
- Magenta (77%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E3BD1 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 2E3BD1 by changing the saturation by 10% instead.




 2E3BD1

 2E3BD1

FFFFFF

 0024B5

 776BFF

 000F99

 9685FF

 00007E

 B59FFF

 000064

 D4BBFF

 00094B

 F3D7FF

 000433

 FFF3FF

 00021D

 000000

 2E3BD1

 2E3BD1

■ 1928D1

■ 434ED1

■ 0415D1

■ 5861D1

■ 0011D1

■ 6D75D1

■ 8288D1

■ 979BD1

■ ABAED1

■ C0C2D1

■ D5D5D1

■ EAE8D1

# Harmonies

## Analogous

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



005DE7



2E3BD1



A40099

# Triad

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



2E3BD1



982A00



006A53

# Complementary

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



2E3BD1



D1C42E

# 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.



006700



2E3BD1



625100

# Square

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



2E3BD1



BD000B



006100



006C9C

# Rectangle

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



2E3BD1



BF006A



006100



006939



# Sweetspot

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



2E3BD1



C4C9FF



2ED1C3



5C5F80



000000



808080



# Same Dimension

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



2E3BD1



0F22FF



722ED1



5E5F69



000DA8



000329



# Inverse Universe

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



D12E3B



FF0F22



8DD12E



695E5F



A8000D

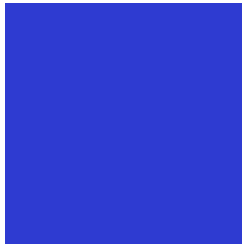


290003



# Previews

## White Background



This preview shows how the Hex color 2E3BD1 looks on a white background.

## Color Contrast Check

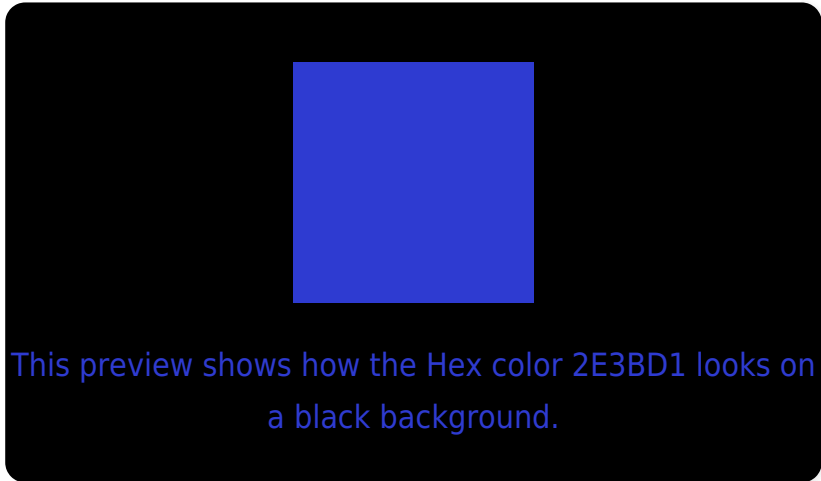
Large Text (above 18pt) WCAG AA ✓ Pass

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

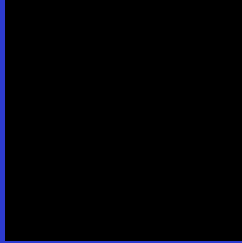
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E3BD1 Background



This preview shows how black text looks on a background with the Hex color 2E3BD1.



This preview shows how white text looks on a background with the Hex color 2E3BD1.

# 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





**Tritanopia**  
005A5F

# Trichromacy



**Original Color**  
2E3BD1

**Protanomaly**  
1147B4

**Deuteranomaly**  
114AA5

**Tritanomaly**  
114F88

# Monochromacy



**Original Color**  
2E3BD1

**Achromatopsia**  
484848

**Achromatomaly**  
3F437A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E3BD1 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 #2E3BD1 looks like.

```
.text, #text, p{  
    color:#2E3BD1  
}
```

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 #2E3BD1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E3BD1
}
```

## Border

The CSS property to change the border of an element to Hex 2E3BD1 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
#2E3BD1 }
```

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

```
.border{ border-color:#2E3BD1 }
```

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

Here you see how a box with a 4 pixel #2E3BD1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E3BD1; -webkit-box-shadow:4px 4px  
4px 4px #2E3BD1; box-shadow:4px 4px 4px  
4px #2E3BD1 }
```

# Background

The CSS property to change the background color of an element to Hex 2E3BD1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E3BD1 }
```

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

```
.background{ background-color:#2E3BD1 }
```

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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