

# Converting Colors

Hex(013EB1)

Have a look what the booklet for  
Hex(013EB1) contains.

<b>Hex(013EB1)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	28

# Color

**Hex(013EB1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	013EB1
RGB	1, 62, 177
RGB Percent	0%, 24%, 69%
CMY	0.9961, 0.7569, 0.3059
CMYK	0.99, 0.65, 0.00, 0.31
HSL	219°, 99%, 35%
HSV	219°, 99%, 69%
XYZ	9.6710, 6.6260, 42.3642
YIQ	56.8710, -73.2710, 22.8330

# Conversions

## Conversions Part 2

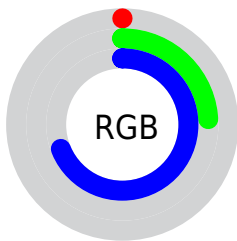
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	1, 46, 177
Decimal	81585
CIE Lab	30.94, 31.10, -65.08
CIE LCh	31, 72.125, 295.541
Yxy	6.6260, 0.1649, 0.1130
Android (android.graphics.Color)	4278271665 (0xFF013EB1)
YUV	56.8710, 59.2236, -48.9989
Hunter-Lab	25.7411, 22.0158, -79.5597

# Details

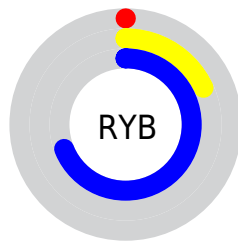
The Hex color **013EB1** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **B17401**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **5D6DEA**, and **00167B** is the 20% darker color. If you saturate the color by 10%, you get **003DB1**, and if you desaturate by 10%, it is **134AB1**.

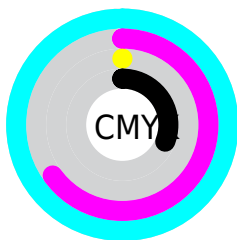
# Distribution



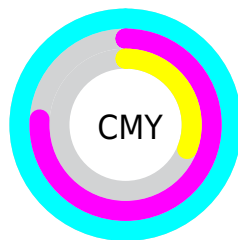
- Red (0%)
- Green (24%)
- Blue (69%)



- Red (0%)
- Yellow (18%)
- Blue (69%)



- Cyan (99%)
- Magenta (65%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (76%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 013EB1 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 013EB1 by changing the saturation by 10% instead.



013EB1 013EB1

FFFFFF 002996

5D6DEA 00167B

7C86FF 000062

9BA0FF 000949

B9BBFF 000431

D7D7FF 00011B

F5F3FF 000000

013EB1 013EB1

003DB1 134AB1

■ 2455B1

■ 3661B1

■ 486CB1

■ 5A78B1

■ 6B83B1

■ 7D8FB1

■ 8F9BB1

■ A0A6B1

# Harmonies

## Analogous

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



0054BC



013EB1



81088A

# Triad

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



013EB1



8A2500



005D3E

# Complementary

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



013EB1



B17401

# 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.



005A00



013EB1



614400

# Square

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



013EB1



A2001D



295300



005F79

# Rectangle

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



013EB1



9B0067



295300



005D2A



# Sweetspot

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



013EB1



A1B9E6



01B173



495873



F2F2F2



737373



# Same Dimension

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



013EB1



0050E6



1B01B1



505359



003599



00091A



# Inverse Universe

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



B1013E



E60050



97B101



595053



990035



1A0009



# Previews

## White Background



This preview shows how the Hex color 013EB1 looks on a white background.

## Color Contrast Check

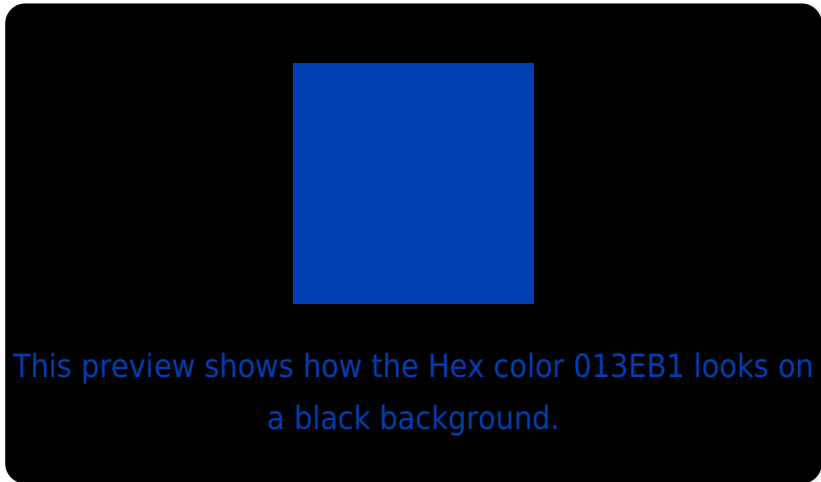
Large Text (above 18pt) WCAG AA ✓ Pass

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

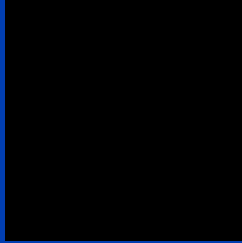
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 013EB1 Background



This preview shows how black text looks on a background with the Hex color 013EB1.

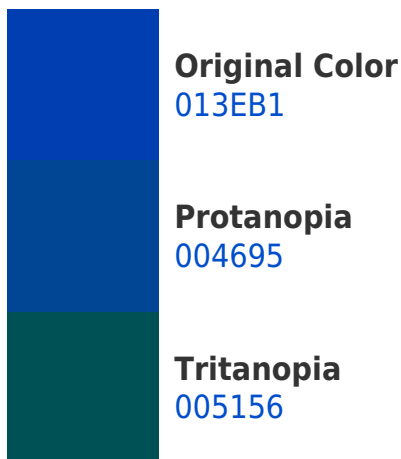


This preview shows how white text looks on a background with the Hex color 013EB1.

# 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



# Trichromacy



**Original Color**  
013EB1

**Protanomaly**  
00439F

**Tritanomaly**  
004A77

# Monochromacy



**Original Color**  
013EB1

**Achromatopsia**  
393939

**Achromatomaly**  
253B65

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 013EB1 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 #013EB1 looks like.

```
.text, #text, p{  
    color:#013EB1  
}
```

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 #013EB1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #013EB1
}
```

## Border

The CSS property to change the border of an element to Hex 013EB1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

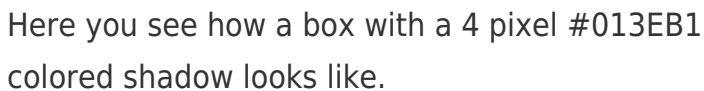
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#013EB1 }
```

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

```
.border{ border-color:#013EB1 }
```

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



Here you see how a box with a 4 pixel #013EB1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #013EB1; -webkit-box-shadow:4px 4px  
4px 4px #013EB1; box-shadow:4px 4px 4px  
4px #013EB1 }
```

# Background

The CSS property to change the background color of an element to Hex 013EB1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#013EB1 }
```

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

```
.background{ background-color:#013EB1 }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**



**Follow me  
on Twitter!**

@ConvertingColor