

# Converting Colors

Hex(0031B8)

Have a look what the booklet for  
Hex(0031B8) contains.

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# Color

**Hex(0031B8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0031B8
RGB	0, 49, 184
RGB Percent	0%, 19%, 72%
CMY	1.0000, 0.8078, 0.2784
CMYK	1.00, 0.73, 0.00, 0.28
HSL	224°, 100%, 36%
HSV	224°, 100%, 72%
XYZ	9.7500, 5.6573, 45.9255
YIQ	49.7390, -72.5390, 31.5970

# Conversions

## Conversions Part 2

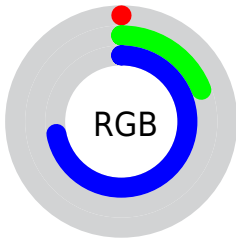
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 39, 184
Decimal	12728
CIELab	28.53, 42.12, -73.21
CIELCh	29, 84.462, 299.910
Yxy	5.6573, 0.1590, 0.0922
Android (android.graphics.Color)	4278202808 (0xFF0031B8)
YUV	49.7390, 66.1907, -43.6211
Hunter-Lab	23.7851, 31.5471, -97.8305

# Details

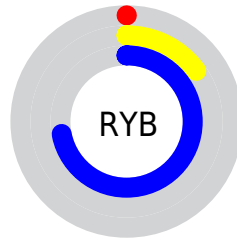
The Hex color **0031B8** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **B88700**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **6160F1**, and **000981** is the 20% darker color. If you saturate the color by 10%, you get **0031B8**, and if you desaturate by 10%, it is **123EB8**.

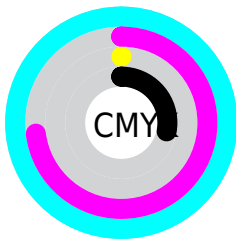
# Distribution



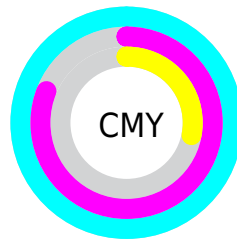
- Red (0%)
- Green (19%)
- Blue (72%)



- Red (0%)
- Yellow (15%)
- Blue (72%)



- Cyan (100%)
- Magenta (73%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (81%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0031B8 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 0031B8 by changing the saturation by 10% instead.




 0031B8

 0031B8

FFFFFF

 001C9C

 6160F1

 000981

 8079FF

 000067

 9F93FF

 000A4E

 BEADFF

 000536

 DCC9FF

 000220

 FBE5FF

 000004

 000000

 0031B8

 123EB8

 254CB8

 375AB8

 4A67B8

 5C75B8

 6E82B8

 8190B8

 939DB8

 A6ABB8

# Harmonies

## Analogous

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



004FCB



0031B8



8B0086

# Triad

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



0031B8



841C00



005942

# Complementary

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



0031B8



B88700

# 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.



005600



0031B8



544200

# Square

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



0031B8



A40005



005100



005A84

# Rectangle

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



0031B8



A5005C



005100



00582A



# Sweetspot

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



0031B8



A8BBF0



00B887



4D5878



F7F7F7



787878



# Same Dimension

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



0031B8



0040F0



2B00B8



53555C



00299C



00071C



# Inverse Universe

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



B80031



F00040



8DB800



5C5355



9C0029



1C0007



# Previews

## White Background



This preview shows how the Hex color 0031B8 looks on a white background.

## Color Contrast Check

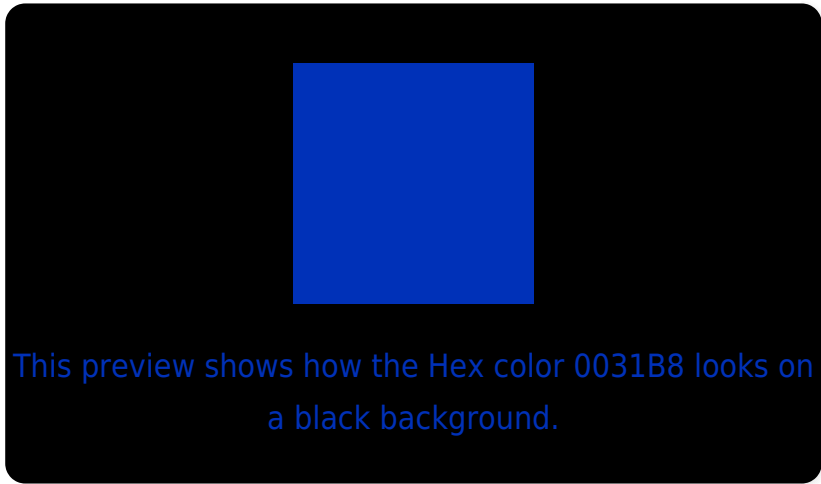
Large Text (above 18pt) WCAG AA ✓ Pass

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

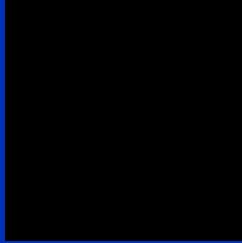
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0031B8 Background



This preview shows how black text looks on a background with the Hex color 0031B8.



This preview shows how white text looks on a background with the Hex color 0031B8.

# 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**  
0031B8

**Protanopia**  
004189

**Deuteranopia**  
004675



**Tritanopia**  
004B4F

# Trichromacy



**Original Color**  
0031B8

**Protanomaly**  
003B9A

**Deuteranomaly**  
003E8D

**Tritanomaly**  
004275

# Monochromacy



**Original Color**  
0031B8

**Achromatopsia**  
323232

**Achromatomaly**  
203263

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0031B8 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 #0031B8 looks like.

```
.text, #text, p{  
    color:#0031B8  
}
```

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 #0031B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0031B8
}
```

## Border

The CSS property to change the border of an element to Hex 0031B8 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
#0031B8 }
```

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

```
.border{ border-color:#0031B8 }
```

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

Here you see how a box with a 4 pixel #0031B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0031B8; -webkit-box-shadow:4px 4px  
4px 4px #0031B8; box-shadow:4px 4px 4px  
4px #0031B8 }
```

# Background

The CSS property to change the background color of an element to Hex 0031B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0031B8 }
```

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

```
.background{ background-color:#0031B8 }
```

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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