

# Converting Colors

Hex(0037B8)

Have a look what the booklet for  
Hex(0037B8) contains.

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**Color**

**Hex(0037B8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0037B8
RGB	0, 55, 184
RGB Percent	0%, 22%, 72%
CMY	1.0000, 0.7843, 0.2784
CMYK	1.00, 0.70, 0.00, 0.28
HSL	222°, 100%, 36%
HSV	222°, 100%, 72%
XYZ	10.0179, 6.1931, 46.0148
YIQ	53.2610, -74.1890, 28.4590

# Conversions

## Conversions Part 2

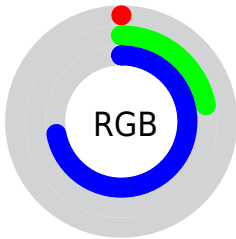
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	0, 42, 184
Decimal	14264
CIE Lab	29.89, 38.36, -70.96
CIE LCh	30, 80.665, 298.397
Yxy	6.1931, 0.1610, 0.0995
Android (android.graphics.Color)	4278204344 (0xFF0037B8)
YUV	53.2610, 64.4543, -46.7099
Hunter-Lab	24.8859, 28.3057, -92.2090

# Details

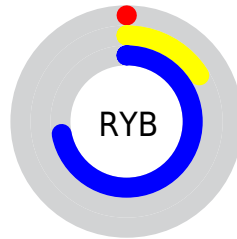
The Hex color **0037B8** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **B88100**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **6066F1**, and **000F82** is the 20% darker color. If you saturate the color by 10%, you get **0037B8**, and if you desaturate by 10%, it is **1244B8**.

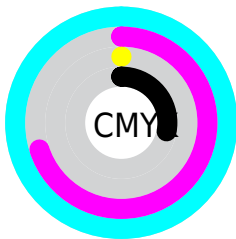
# Distribution



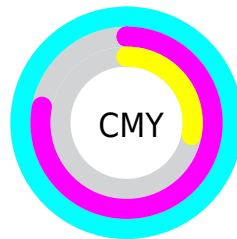
- Red (0%)
- Green (22%)
- Blue (72%)



- Red (0%)
- Yellow (16%)
- Blue (72%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (78%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0037B8 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 0037B8 by changing the saturation by 10% instead.



 0037B8

 0037B8

FFFFFF

 00229C

 6066F1

 000F82

 807FFF

 000068

 9E99FF

 000A4E

 BDB4FF

 000536

 DBCFFF

 000220

 FAECFF

 000004

 000000

 0037B8

 1244B8


 2551B8

 375EB8

 4A6BB8

 5C77B8

 6E84B8

 8191B8

 939EB8

 A6ABB8

# Harmonies

## Analogous

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



0052C8



0037B8



89008A

# Triad

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



0037B8



882000



005C41

# Complementary

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



0037B8



B88100

# 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.



005900



0037B8



5A4400

# Square

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



0037B8



A50010



0F5300



005D82

# Rectangle

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



0037B8



A40062



0F5300



005B2B



# Sweetspot

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



0037B8



A8BDF0



00B881



4D5A78



F7F7F7



787878



# Same Dimension

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



0037B8



0048F0



2500B8



53555C



002E9C



00081C



# Inverse Universe

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



B80037



F00048



93B800



5C5355



9C002E



1C0008



# Previews

## White Background



This preview shows how the Hex color 0037B8 looks on a white background.

## Color Contrast Check

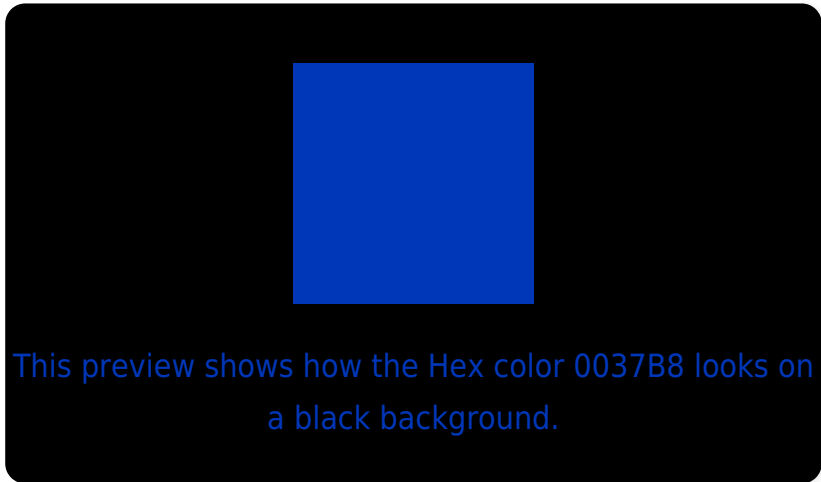
Large Text (above 18pt) WCAG AA ✓ Pass

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

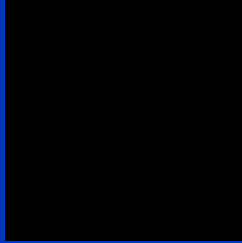
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0037B8 Background



This preview shows how black text looks on a background with the Hex color 0037B8.



This preview shows how white text looks on a background with the Hex color 0037B8.

# 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**  
0037B8

**Protanopia**  
004490

**Deuteranopia**  
00497A



**Tritanopia**  
004F53

# Trichromacy



**Original Color**  
0037B8

**Protanomaly**  
003F9F

**Deuteranomaly**  
004291

**Tritanomaly**  
004678

# Monochromacy



**Original Color**  
0037B8

**Achromatopsia**  
353535

**Achromatomaly**  
223665

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0037B8 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 #0037B8 looks like.

```
.text, #text, p{  
    color:#0037B8  
}
```

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 #0037B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0037B8
}
```

## Border

The CSS property to change the border of an element to Hex 0037B8 is called "border". The border property can be set on classes, ids or directly on the HTML element.

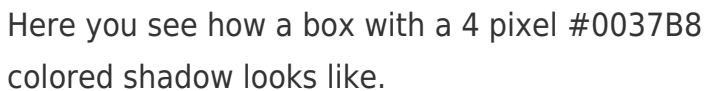
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0037B8 }
```

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

```
.border{ border-color:#0037B8 }
```

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



Here you see how a box with a 4 pixel #0037B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0037B8; -webkit-box-shadow:4px 4px  
4px 4px #0037B8; box-shadow:4px 4px 4px  
4px #0037B8 }
```

# Background

The CSS property to change the background color of an element to Hex 0037B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0037B8 }
```

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

```
.background{ background-color:#0037B8 }
```

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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