

Converting Colors

Hex(0037AB)

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

Hex(0037AB)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(0037AB)

Conversions

Conversions Part 1

Format	Color
Hex	0037AB
RGB	0, 55, 171
RGB Percent	0%, 22%, 67%
CMY	1.0000, 0.7843, 0.3294
CMYK	1.00, 0.68, 0.00, 0.33
HSL	221°, 100%, 34%
HSV	221°, 100%, 67%
XYZ	8.7169, 5.6727, 39.1636
YIQ	51.7790, -70.0160, 24.4160

Conversions

Conversions Part 2

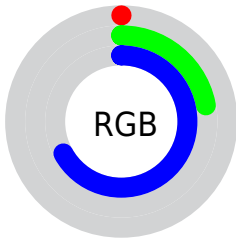
Format	Color
RYB	0, 42, 171
Decimal	14251
CIELab	28.57, 33.36, -65.39
CIELCh	29, 73.408, 297.033
Yxy	5.6727, 0.1628, 0.1059
Android (android.graphics.Color)	4278204331 (0xFF0037AB)
YUV	51.7790, 58.7760, -45.4102
Hunter-Lab	23.8173, 23.6487, -80.8203

Details

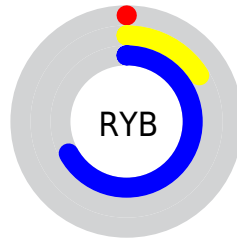
The Hex color **0037AB** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **AB7400**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **5C66E3**, and **001075** is the 20% darker color. If you saturate the color by 10%, you get **0037AB**, and if you desaturate by 10%, it is **1143AB**.

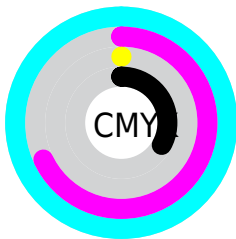
Distribution



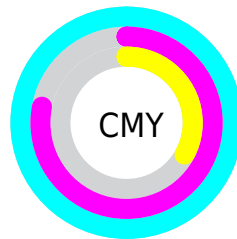
- Red (0%)
- Green (22%)
- Blue (67%)



- Red (0%)
- Yellow (16%)
- Blue (67%)



- Cyan (100%)
- Magenta (68%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (78%)
- Yellow (33%)

Brightness & Saturation Gradients

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

■ 0037AB

■ 0037AB

FFFFFF

■ 002290

■ 5C66E3

■ 001075

■ 7B7FFF

■ 00005C

■ 9998FF

■ 000743

■ B7B3FF

■ 00032C

■ D5CFFF

■ 000116

■ F3EBFF

■ 000000

■ 0037AB

■ 1143AB

■ 224EAB

■ 335AAB

■ 4465AB

■ 5571AB

■ 677DAB

■ 7888AB

■ 8994AB

■ 9A9FAB

Harmonies

Analogous

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



004EB8



0037AB



7E0082

Triad

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



0037AB



812000



00573C

Complementary

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



0037AB



AB7400

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.



005500



0037AB



584000

Square

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



0037AB



9B0015



1C4E00



005976

Rectangle

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



0037AB



97005E



1C4E00



005728

Sweetspot

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



0037AB



9BB1DE



00AB72



485570



F0F0F0



707070

Same Dimension

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



0037AB



0047DE



1C00AB



4E5157



003096



000717

Inverse Universe

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



AB0037



DE0047



8EAB00



574E51



960030



170007

Previews

White Background



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

Color Contrast Check

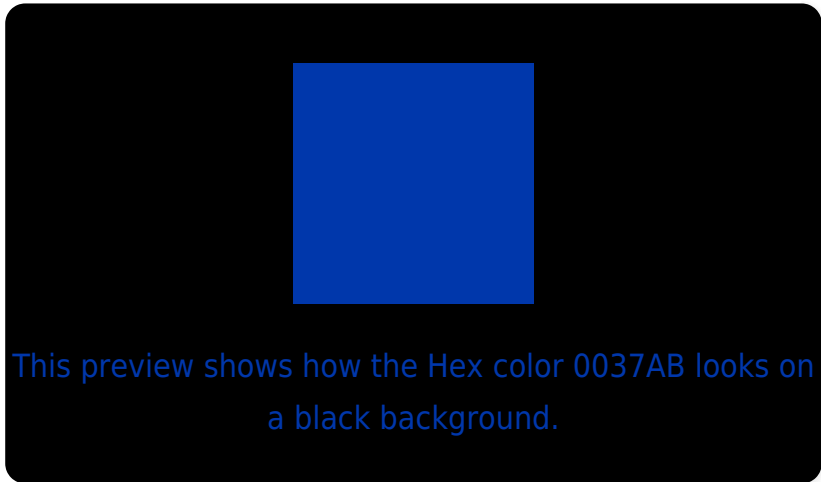
Large Text (above 18pt) WCAG AA ✓ Pass

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

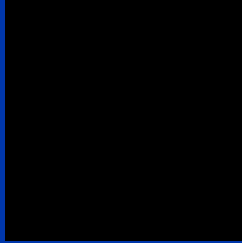
Any Text WCAG AA × Fail

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 0037AB Background



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



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

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
0037AB

Protanopia
00418A

Deuteranopia
004676



Tritanopia
004B4F

Trichromacy



Original Color
0037AB

Protanomaly
003D96

Deuteranomaly
004189

Tritanomaly
004470

Monochromacy



Original Color
0037AB

Achromatopsia
343434

Achromatomaly
21355F

CSS Examples

Text

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

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

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 #0037AB colored shadow looks like.

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

Border

The CSS property to change the border of an element to Hex 0037AB 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  
#0037AB }
```

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

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

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

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

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

Background

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

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

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

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

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