

Converting Colors

Hex(0017B4)

Have a look what the booklet for
Hex(0017B4) contains.

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Color

Hex(0017B4)

Conversions

Conversions Part 1

Format	Color
Hex	0017B4
RGB	0, 23, 180
RGB Percent	0%, 9%, 71%
CMY	1.0000, 0.9098, 0.2941
CMYK	1.00, 0.87, 0.00, 0.29
HSL	232°, 100%, 35%
HSV	232°, 100%, 71%
XYZ	8.5446, 3.9081, 43.4840
YIQ	34.0210, -64.1050, 43.9510

Conversions

Conversions Part 2

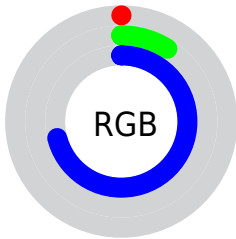
Format	Color
RYB	0, 20, 180
Decimal	6068
CIELab	23.37, 54.31, -79.41
CIELCh	23, 96.207, 304.368
Yxy	3.9081, 0.1528, 0.0699
Android (android.graphics.Color)	4278196148 (0xFF0017B4)
YUV	34.0210, 71.9676, -29.8364
Hunter-Lab	19.7689, 42.5568, -116.5773

Details

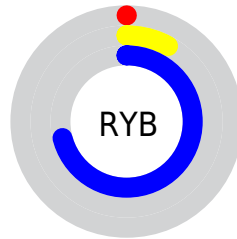
The Hex color **0017B4** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **B49D00**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **6248ED**, and **00007D** is the 20% darker color. If you saturate the color by 10%, you get **0017B4**, and if you desaturate by 10%, it is **1227B4**.

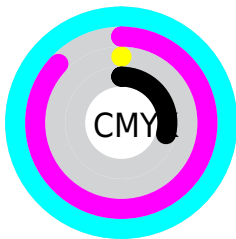
Distribution



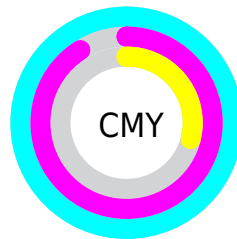
- Red (0%)
- Green (9%)
- Blue (71%)



- Red (0%)
- Yellow (8%)
- Blue (71%)



- Cyan (100%)
- Magenta (87%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (91%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0017B4 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 0017B4 by changing the saturation by 10% instead.

■ 0017B4

■ 0017B4

FFFFFF

■ 000098

■ 6248ED

■ 00007D

■ 8261FF

■ 000063

■ A17BFF

■ 00094A

■ C096FF

■ 000433

■ DEB1FF

■ 00021D

■ FDCDFF

■ 000000

■ FFEAFF

■ 0017B4

 1227B4

 2436B4

 3646B4

 4856B4

 5A66B4

 6C75B4

 7E85B4

 9095B4

 A2A4B4

Harmonies

Analogous

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



0044CF



0017B4



8D0078

Triad

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



0017B4



730C00



004D41

Complementary

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



0017B4



B49D00

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.



004B00



0017B4



3C3A00

Square

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



0017B4



990000



004600



004F8A

Rectangle

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



0017B4



A40049



004600



004D28

Sweetspot

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



0017B4



A4ADEB



00B49C



4B5075



F5F5F5



757575

Same Dimension

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



0017B4



001EEB



4200B4



505159



001499



00031A

Inverse Universe

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



B40017



EB001E



72B400



595051



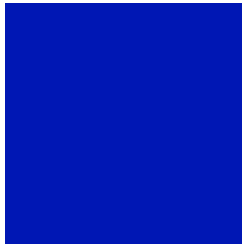
990014



1A0003

Previews

White Background



This preview shows how the Hex color 0017B4 looks on a white background.

Color Contrast Check

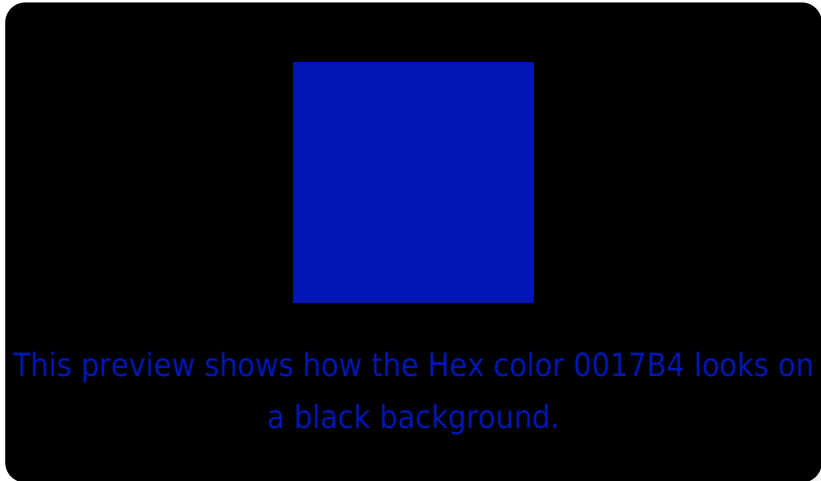
Large Text (above 18pt) WCAG AA ✓ Pass

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

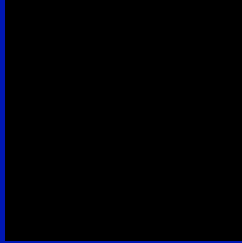
Any Text WCAG AA × Fail

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 0017B4 Background



This preview shows how black text looks on a background with the Hex color 0017B4.



This preview shows how white text looks on a background with the Hex color 0017B4.

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
0017B4

Protanopia
003773

Deuteranopia
003B62



Tritanopia
003F42

Trichromacy



Original Color
0017B4

Protanomaly
002B8B

Deuteranomaly
002E80

Tritanomaly
00306B

Monochromacy



Original Color
0017B4

Achromatopsia
222222

Achromatomaly
161E57

CSS Examples

Text

The CSS property to change the color of the text to Hex 0017B4 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 #0017B4 looks like.

```
.text, #text, p{  
    color:#0017B4  
}
```

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 #0017B4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0017B4
}
```

Border

The CSS property to change the border of an element to Hex 0017B4 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
#0017B4 }
```

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

```
.border{ border-color:#0017B4 }
```

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

Here you see how a box with a 4 pixel #0017B4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0017B4; -webkit-box-shadow:4px 4px  
4px 4px #0017B4; box-shadow:4px 4px 4px  
4px #0017B4 }
```

Background

The CSS property to change the background color of an element to Hex 0017B4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0017B4 }
```

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

```
.background{ background-color:#0017B4 }
```

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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