

# Converting Colors

Hex(0219BB)

Have a look what the booklet for  
Hex(0219BB) contains.

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**Color**

**Hex(0219BB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0219BB
RGB	2, 25, 187
RGB Percent	1%, 10%, 73%
CMY	0.9922, 0.9020, 0.2667
CMYK	0.99, 0.87, 0.00, 0.27
HSL	233°, 98%, 37%
HSV	233°, 99%, 73%
XYZ	9.3423, 4.2960, 47.3505
YIQ	36.5910, -65.7100, 45.5060

# Conversions

## Conversions Part 2

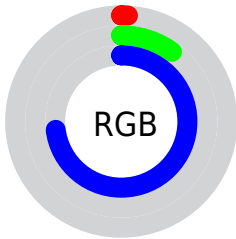
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 22, 187
Decimal	137659
CIE <sub>Lab</sub>	24.63, 55.63, -81.48
CIE <sub>LCh</sub>	25, 98.661, 304.325
Yxy	4.2960, 0.1532, 0.0704
Android (android.graphics.Color)	4278327739 (0xFF0219BB)
YUV	36.5910, 74.1516, -30.3363
Hunter-Lab	20.7269, 44.1841, -120.9393

# Details

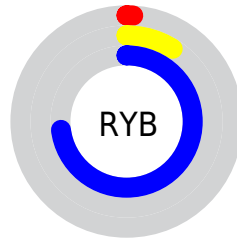
The Hex color **0219BB** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **BBA402**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **644BF5**, and **000084** is the 20% darker color. If you saturate the color by 10%, you get **0017BB**, and if you desaturate by 10%, it is **1529BB**.

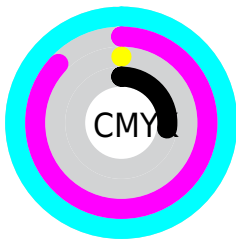
# Distribution



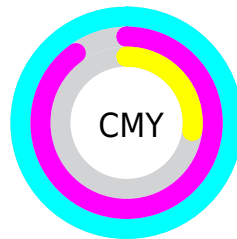
- Red (1%)
- Green (10%)
- Blue (73%)



- Red (1%)
- Yellow (9%)
- Blue (73%)



- Cyan (99%)
- Magenta (87%)
- Yellow (0%)
- Black (27%)




- Cyan (99%)
- Magenta (90%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0219BB 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 0219BB by changing the saturation by 10% instead.



 0219BB

 0219BB

FFFFFF

 00009F

 644BF5

 000084

 8564FF

 00006A

 A47EFF

 000A50

 C398FF

 000538

 E2B4FF

 000222

 FFD0FF

 000008

 FFECFF

 000000

 0219BB

 0219BB

■ 0017BB

■ 1529BB

■ 273ABB

■ 3A4ABB

■ 4D5BBB

■ 5F6BBB

■ 727BBB

■ 858CBB

■ 989CBB

■ AAACBB

# Harmonies

## Analogous

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



0047D7



0219BB



93007D

# Triad

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



0219BB



780E00



005144

# Complementary

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



0219BB



BBA402

# 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.



004E00



0219BB



3F3C00

# Square

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



0219BB



A00000



004A00



005390

# Rectangle

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



0219BB



AA004C



004A00



00502A



# Sweetspot

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



0219BB



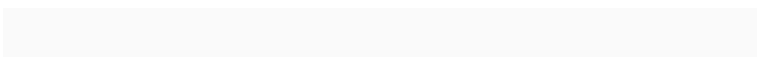
AAB3F2



02BBA2



4E547A



FAFAFA



7A7A7A



# Same Dimension

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



0219BB



001EF2



4602BB



55565E



00149E



00041F



# Inverse Universe

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



BB0219



F2001E



77BB02



5E5556



9E0014

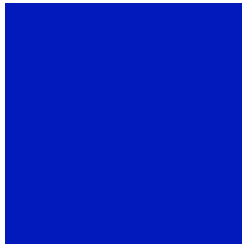


1F0004



# Previews

## White Background



This preview shows how the Hex color 0219BB looks on a white background.

## Color Contrast Check

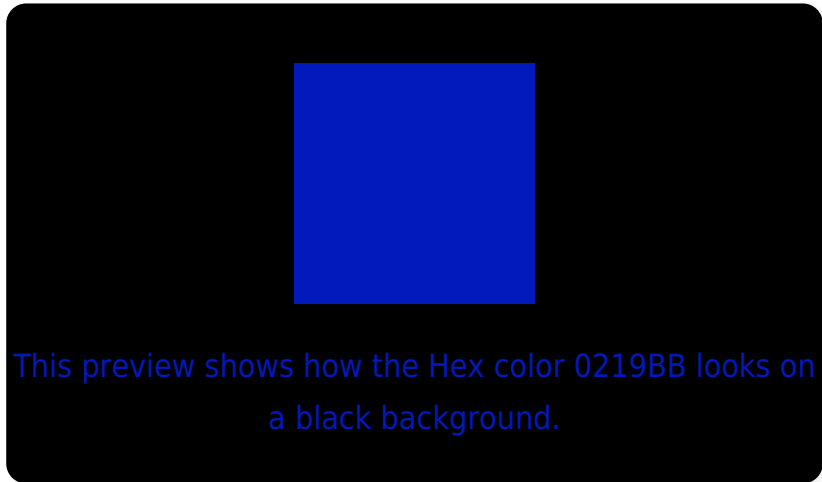
Large Text (above 18pt) WCAG AA ✓ Pass

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

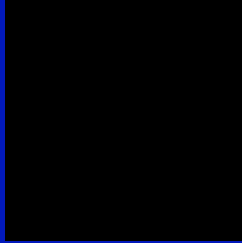
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0219BB Background



This preview shows how black text looks on a background with the Hex color 0219BB.



This preview shows how white text looks on a background with the Hex color 0219BB.

# 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**  
0219BB

**Protanopia**  
003979

**Deuteranopia**  
003D66



# Trichromacy



**Original Color**  
0219BB

**Protanomaly**  
012D91

**Deuteranomaly**  
013085

**Tritanomaly**  
013370

# Monochromacy



**Original Color**  
0219BB

**Achromatopsia**  
252525

**Achromatomaly**  
18215C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0219BB 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 #0219BB looks like.

```
.text, #text, p{  
    color:#0219BB  
}
```

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 #0219BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0219BB }  
}
```

## Border

The CSS property to change the border of an element to Hex 0219BB is called "border". The border property can be set on classes, ids or directly on the HTML element.

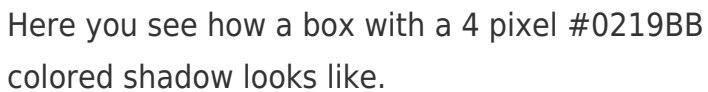
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #0219BB }  
}
```

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

```
.border{ border-color:#0219BB }
```

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



Here you see how a box with a 4 pixel #0219BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0219BB; -webkit-box-shadow:4px 4px  
4px 4px #0219BB; box-shadow:4px 4px 4px  
4px #0219BB }
```

# Background

The CSS property to change the background color of an element to Hex 0219BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0219BB }
```

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

```
.background{ background-color:#0219BB }
```

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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