

Converting Colors

Hex(0221B0)

Have a look what the booklet for
Hex(0221B0) contains.

Hex(0221B0)	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(0221B0)

Conversions

Conversions Part 1

Format	Color
Hex	0221B0
RGB	2, 33, 176
RGB Percent	1%, 13%, 69%
CMY	0.9922, 0.8706, 0.3098
CMYK	0.99, 0.81, 0.00, 0.31
HSL	229°, 98%, 35%
HSV	229°, 99%, 69%
XYZ	8.4054, 4.2352, 41.4488
YIQ	40.0330, -64.3790, 37.9010

Conversions

Conversions Part 2

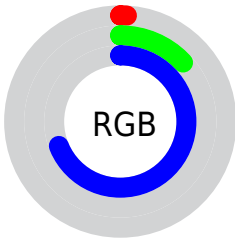
Format	Color
R_{YB}	2, 28, 176
Decimal	139696
CIE _{Lab}	24.43, 48.48, -75.23
CIE _{LCh}	24, 89.500, 302.796
Yxy	4.2352, 0.1554, 0.0783
Android (android.graphics.Color)	4278329776 (0xFF0221B0)
YUV	40.0330, 67.0317, -33.3549
Hunter-Lab	20.5796, 36.8907, -105.0084

Details

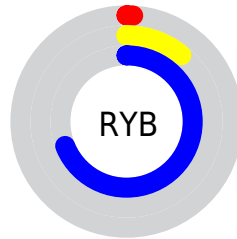
The Hex color **0221B0** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **B09102**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **6050E9**, and **00007A** is the 20% darker color. If you saturate the color by 10%, you get **001FB0**, and if you desaturate by 10%, it is **142FB0**.

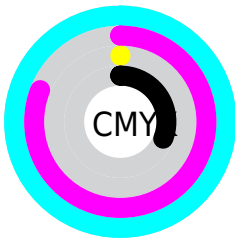
Distribution



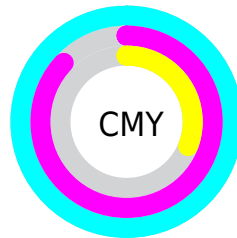
- Red (1%)
- Green (13%)
- Blue (69%)



- Red (1%)
- Yellow (11%)
- Blue (69%)



- Cyan (99%)
- Magenta (81%)
- Yellow (0%)
- Black (31%)



- Cyan (99%)
- Magenta (87%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0221B0 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 0221B0 by changing the saturation by 10% instead.

 0221B0

 0221B0

FFFFFF

 000A95

 6050E9

 00007A

 8069FF

 000060

 9E83FF

 000847

 BD9DFF

 000430

 DBB8FF

 00011A

 FAD4FF

 000000

 FFF1FF

 0221B0

 0221B0

■ 001FB0

■ 142FB0

■ 253EB0

■ 374CB0

■ 485BB0

■ 5A69B0

■ 6C78B0

■ 7D86B0

■ 8F95B0

■ A0A3B0

Harmonies

Analogous

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



0045C7



0221B0



88007A

Triad

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



0221B0



761200



004F3F

Complementary

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



0221B0



B09102

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.



004D00



0221B0



433B00

Square

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



0221B0



990000



004800



005184

Rectangle

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



0221B0



9F004E



004800



004E27

Sweetspot

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



0221B0



A1ADE6



02B090



495173



F2F2F2



737373

Same Dimension

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



0221B0



0029E6



3902B0



505259



001B99



00051A

Inverse Universe

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



B00221



E60029



79B002



595052



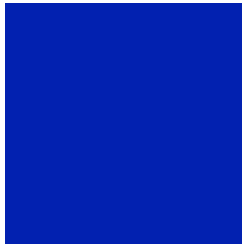
99001B



1A0005

Previews

White Background



This preview shows how the Hex color 0221B0 looks on a white background.

Color Contrast Check

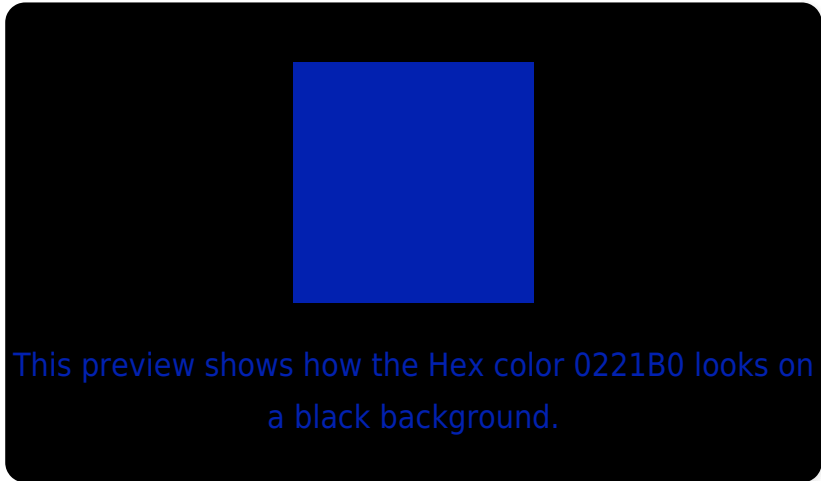
Large Text (above 18pt) WCAG AA ✓ Pass

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

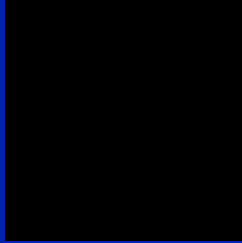
Any Text WCAG AA × Fail

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 0221B0 Background



This preview shows how black text looks on a background with the Hex color 0221B0.



This preview shows how white text looks on a background with the Hex color 0221B0.

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
0221B0

Protanopia
003977

Deuteranopia
003D65

Trichromacy



Original Color
0221B0

Protanomaly
01308C

Deuteranomaly
013380

Tritanomaly
01356C

Monochromacy



Original Color
0221B0

Achromatopsia
282828

Achromatomaly
1A2559

CSS Examples

Text

The CSS property to change the color of the text to Hex 0221B0 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 #0221B0 looks like.

```
.text, #text, p{  
    color:#0221B0  
}
```

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 #0221B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0221B0
}
```

Border

The CSS property to change the border of an element to Hex 0221B0 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
#0221B0 }
```

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

```
.border{ border-color:#0221B0 }
```

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

Here you see how a box with a 4 pixel #0221B0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0221B0; -webkit-box-shadow:4px 4px  
4px 4px #0221B0; box-shadow:4px 4px 4px  
4px #0221B0 }
```

Background

The CSS property to change the background color of an element to Hex 0221B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0221B0 }
```

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

```
.background{ background-color:#0221B0 }
```

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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