

Converting Colors

Hex(0236B1)

Have a look what the booklet for
Hex(0236B1) contains.

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Color

Hex(0236B1)

Conversions

Conversions Part 1

Format	Color
Hex	0236B1
RGB	2, 54, 177
RGB Percent	1%, 21%, 69%
CMY	0.9922, 0.7882, 0.3059
CMYK	0.99, 0.69, 0.00, 0.31
HSL	222°, 98%, 35%
HSV	222°, 99%, 69%
XYZ	9.2800, 5.8256, 42.2303
YIQ	52.4740, -70.4750, 27.2290

Conversions

Conversions Part 2

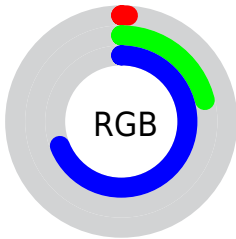
Format	Color
R_{YB}	2, 42, 177
Decimal	145073
CIE _{Lab}	28.97, 36.41, -68.32
CIE _{LCh}	29, 77.418, 298.053
Yxy	5.8256, 0.1619, 0.1016
Android (android.graphics.Color)	4278335153 (0xFF0236B1)
YUV	52.4740, 61.3913, -44.2657
Hunter-Lab	24.1362, 26.3922, -86.8424

Details

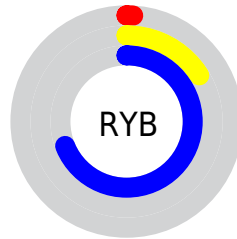
The Hex color **0236B1** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **B17D02**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **5E65EA**, and **000E7B** is the 20% darker color. If you saturate the color by 10%, you get **0035B1**, and if you desaturate by 10%, it is **1442B1**.

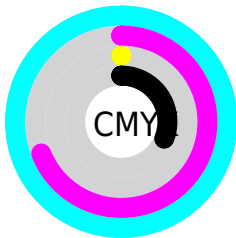
Distribution



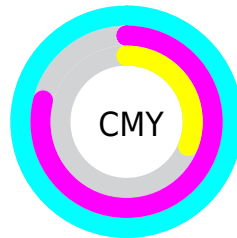
- Red (1%)
- Green (21%)
- Blue (69%)



- Red (1%)
- Yellow (16%)
- Blue (69%)



- Cyan (99%)
- Magenta (69%)
- Yellow (0%)
- Black (31%)



- Cyan (99%)
- Magenta (79%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0236B1 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 0236B1 by changing the saturation by 10% instead.

■ 0236B1

■ 0236B1

FFFFFF

■ 002196

■ 5E65EA

■ 000E7B

■ 7E7EFF

■ 000061

■ 9C98FF

■ 000848

■ BAB2FF

■ 000431

■ D8CEFF

■ 00011B

■ F7EAFF

■ 000000

■ 0236B1

■ 0236B1

■ 0035B1

■ 1442B1

■ 254FB1

■ 375BB1

■ 4968B1

■ 5B74B1

■ 6C81B1

■ 7E8DB1

■ 909AB1

■ A1A6B1

Harmonies

Analogous

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



004FC0



0236B1



830085

Triad

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



0236B1



841F00



00593F

Complementary

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



0236B1



B17D02

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.



005600



0236B1



584100

Square

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



0236B1



A00011



135000



005A7C

Rectangle

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



0236B1



9D005F



135000



005829

Sweetspot

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



0236B1



A1B5E6



02B17D



495673



F2F2F2



737373

Same Dimension

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



0236B1



0044E6



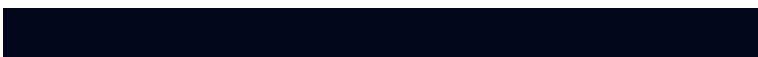
2502B1



505359



002D99



00081A

Inverse Universe

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



B10236



E60044



8EB102



595053



99002D



1A0008

Previews

White Background



This preview shows how the Hex color 0236B1 looks on a white background.

Color Contrast Check

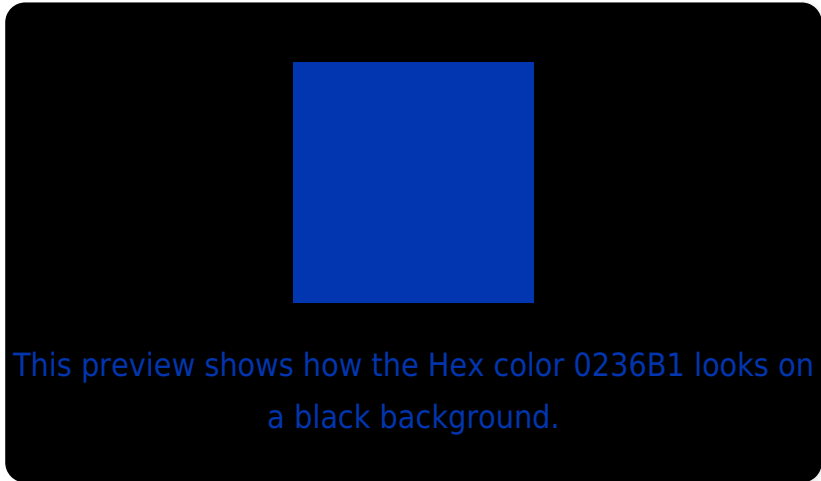
Large Text (above 18pt) WCAG AA ✓ Pass

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

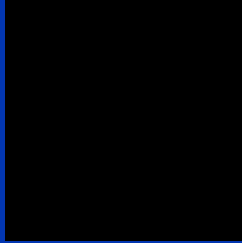
Any Text WCAG AA × Fail

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 0236B1 Background



This preview shows how black text looks on a background with the Hex color 0236B1.



This preview shows how white text looks on a background with the Hex color 0236B1.

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
0236B1

Protanopia
00428B

Deuteranopia
004777



Tritanopia
004C50

Trichromacy



Original Color
0236B1

Protanomaly
013E99

Deuteranomaly
01418C

Tritanomaly
014473

Monochromacy



Original Color
0236B1

Achromatopsia
343434

Achromatomaly
223561

CSS Examples

Text

The CSS property to change the color of the text to Hex 0236B1 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 #0236B1 looks like.

```
.text, #text, p{  
    color:#0236B1  
}
```

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 #0236B1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0236B1
}
```

Border

The CSS property to change the border of an element to Hex 0236B1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

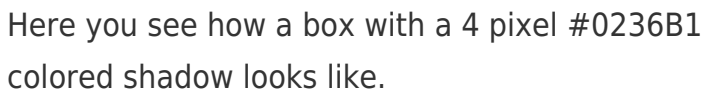
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0236B1 }
```

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

```
.border{ border-color:#0236B1 }
```

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



Here you see how a box with a 4 pixel #0236B1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0236B1; -webkit-box-shadow:4px 4px  
4px 4px #0236B1; box-shadow:4px 4px 4px  
4px #0236B1 }
```

Background

The CSS property to change the background color of an element to Hex 0236B1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0236B1 }
```

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

```
.background{ background-color:#0236B1 }
```

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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