

Converting Colors

Hex(002AD1)

Have a look what the booklet for
Hex(002AD1) contains.

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Color

Hex(002AD1)

Conversions

Conversions Part 1

Format	Color
Hex	002AD1
RGB	0, 42, 209
RGB Percent	0%, 16%, 82%
CMY	1.0000, 0.8353, 0.1804
CMYK	1.00, 0.80, 0.00, 0.18
HSL	228°, 100%, 41%
HSV	228°, 100%, 82%
XYZ	12.3366, 6.2594, 60.8796
YIQ	48.4800, -78.6390, 43.0330

Conversions

Conversions Part 2

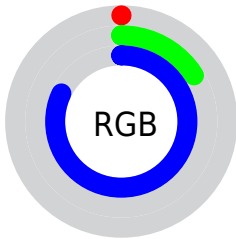
Format	Color
RYB	0, 35, 209
Decimal	10961
CIELab	30.06, 54.63, -85.36
CIElCh	30, 101.343, 302.621
Yxy	6.2594, 0.1552, 0.0788
Android (android.graphics.Color)	4278201041 (0xFF002AD1)
YUV	48.4800, 79.1364, -42.5170
Hunter-Lab	25.0187, 44.2344, -126.7607

Details

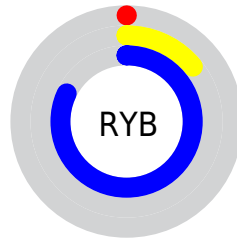
The Hex color **002AD1** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **D1A700**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **695AFF**, and **000099** is the 20% darker color. If you saturate the color by 10%, you get **002AD1**, and if you desaturate by 10%, it is **153BD1**.

Distribution



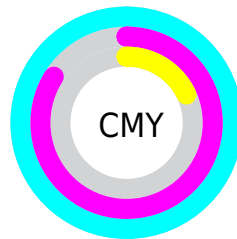
- Red (0%)
- Green (16%)
- Blue (82%)



- Red (0%)
- Yellow (14%)
- Blue (82%)



- Cyan (100%)
- Magenta (80%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (84%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002AD1 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 002AD1 by changing the saturation by 10% instead.

 002AD1

 002AD1

FFFFFF

 0012B5

 695AFF

 000099

 8B74FF

 00007E

 AB8EFF

 000764

 CAA9FF

 00094B

 E9C4FF

 000433

 FFE1FF

 00021D

 FFFEFF

 000000

 002AD1

 153BD1

 2A4BD1

 3F5CD1

 546DD1

 697ED1

 7D8ED1

 929FD1

 A7B0D1

 BCC0D1

Harmonies

Analogous

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



0054EC



002AD1



A20091

Triad

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



002AD1



8D1800



005F4C

Complementary

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



002AD1



D1A700

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.



005C00



002AD1



524700

Square

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



002AD1



B60000



005700



00619C

Rectangle

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



002AD1



BD005E



005700



005E30

Sweetspot

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



002AD1



B3C2FF



00D1A4



525B80



000000



808080

Same Dimension

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



002AD1



0033FF



3B00D1



5E6069



0022A8



000829

Inverse Universe

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



D1002A



FF0033



96D100



695E60



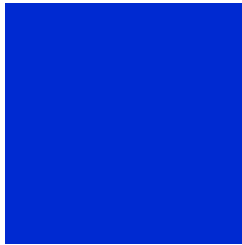
A80022



290008

Previews

White Background



This preview shows how the Hex color 002AD1 looks on a white background.

Color Contrast Check

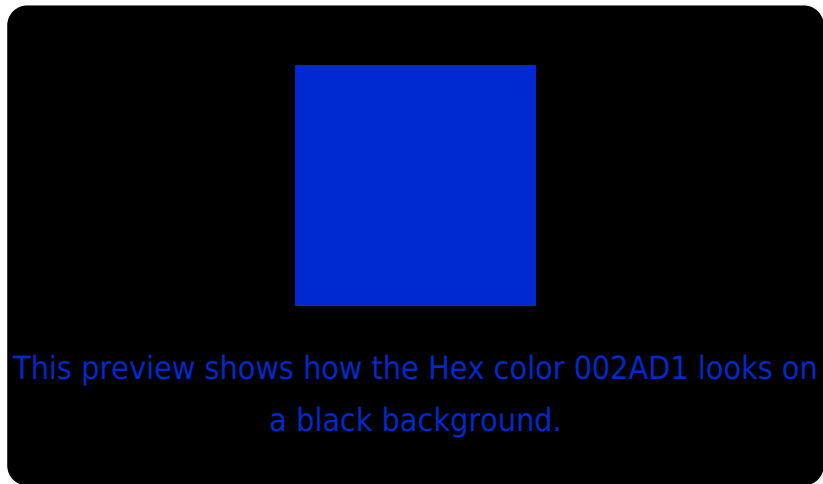
Large Text (above 18pt) WCAG AA ✓ Pass

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

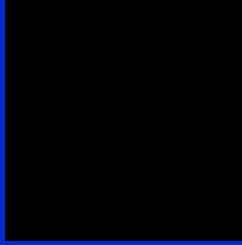
Any Text WCAG AA × Fail

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 002AD1 Background



This preview shows how black text looks on a background with the Hex color 002AD1.



This preview shows how white text looks on a background with the Hex color 002AD1.

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
002AD1

Protanopia
004490

Deuteranopia
00497A



Tritanopia
004F53

Trichromacy



Original Color
002AD1

Protanomaly
003BA8

Deuteranomaly
003E9A

Tritanomaly
004281

Monochromacy



Original Color
002AD1

Achromatopsia
303030

Achromatomaly
1F2E6B

CSS Examples

Text

The CSS property to change the color of the text to Hex 002AD1 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 #002AD1 looks like.

```
.text, #text, p{  
    color:#002AD1  
}
```

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 #002AD1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002AD1
}
```

Border

The CSS property to change the border of an element to Hex 002AD1 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
#002AD1 }
```

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

```
.border{ border-color:#002AD1 }
```

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

Here you see how a box with a 4 pixel #002AD1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002AD1; -webkit-box-shadow:4px 4px  
4px 4px #002AD1; box-shadow:4px 4px 4px  
4px #002AD1 }
```

Background

The CSS property to change the background color of an element to Hex 002AD1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002AD1 }
```

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

```
.background{ background-color:#002AD1 }
```

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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