

Converting Colors

Hex(0012AB)

Have a look what the booklet for
Hex(0012AB) contains.

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Color

Hex(0012AB)

Conversions

Conversions Part 1

Format	Color
Hex	0012AB
RGB	0, 18, 171
RGB Percent	0%, 7%, 67%
CMY	1.0000, 0.9294, 0.3294
CMYK	1.00, 0.89, 0.00, 0.33
HSL	234°, 100%, 34%
HSV	234°, 100%, 67%
XYZ	7.5670, 3.3729, 38.7803
YIQ	30.0600, -59.8410, 43.7670

Conversions

Conversions Part 2

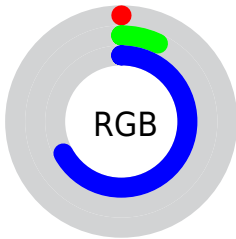
Format	Color
RYB	0, 16, 171
Decimal	4779
CIELab	21.48, 53.55, -77.15
CIELCh	21, 93.911, 304.763
Yxy	3.3729, 0.1522, 0.0678
Android (android.graphics.Color)	4278194859 (0xFF0012AB)
YUV	30.0600, 69.4834, -26.3626
Hunter-Lab	18.3654, 41.4068, -112.3405

Details

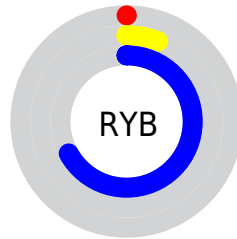
The Hex color **0012AB** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **AB9900**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **5F44E4**, and **000075** is the 20% darker color. If you saturate the color by 10%, you get **0012AB**, and if you desaturate by 10%, it is **1121AB**.

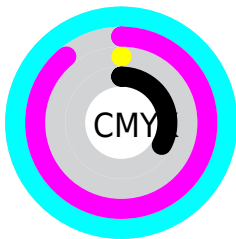
Distribution



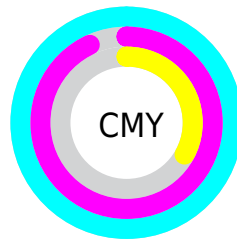
- Red (0%)
- Green (7%)
- Blue (67%)



- Red (0%)
- Yellow (6%)
- Blue (67%)



- Cyan (100%)
- Magenta (89%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (93%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0012AB 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 0012AB by changing the saturation by 10% instead.

■ 0012AB

FFFFFF

■ 5F44E4

■ 7F5DFF

■ 9E77FF

■ BC91FF

■ DBACFF

■ FAC8FF

■ FFE4FF

■ 0012AB

■ 0012AB

■ 000090

■ 000075

■ 00005B

■ 000743

■ 00032C

■ 000116

■ 000000

■ 1121AB

■ 2231AB

■ 3340AB

■ 444FAB

■ 555EAB

■ 676EAB

■ 787DAB

■ 898CAB

■ 9A9CAB

Harmonies

Analogous

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



003FC6



0012AB



860071

Triad

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



0012AB



6C0A00



00483E

Complementary

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



0012AB



AB9900

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.



004600



0012AB



373600

Square

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



0012AB



910000



004200



004A84

Rectangle

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



0012AB



9C0043



004200



004825

Sweetspot

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



0012AB



9BA2DE



00AB97



484C70



F0F0F0



707070

Same Dimension

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



0012AB



0017DE



4200AB



4E4F57



001096



000217

Inverse Universe

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



AB0012



DE0017



69AB00



574E4F



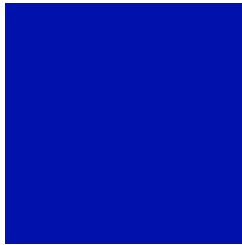
960010



170002

Previews

White Background



This preview shows how the Hex color 0012AB looks on a white background.

Color Contrast Check

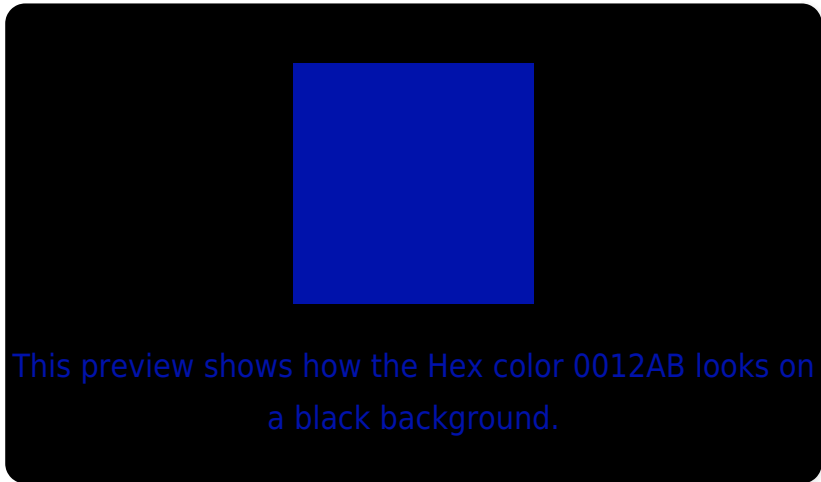
Large Text (above 18pt) WCAG AA ✓ Pass

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

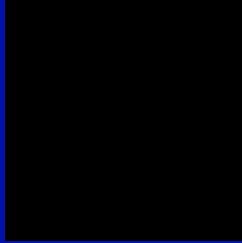
Any Text WCAG AA × Fail

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 0012AB Background



This preview shows how black text looks on a background with the Hex color 0012AB.



This preview shows how white text looks on a background with the Hex color 0012AB.

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
0012AB

Protanopia
00336C

Deuteranopia
00375B



Tritanopia
003B3E

Trichromacy



Original Color
0012AB

Protanomaly
002783

Deuteranomaly
002A78

Tritanomaly
002C66

Monochromacy



Original Color
0012AB

Achromatopsia
1E1E1E

Achromatomaly
131A51

CSS Examples

Text

The CSS property to change the color of the text to Hex 0012AB 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 #0012AB looks like.

```
.text, #text, p{  
    color:#0012AB  
}
```

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 #0012AB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0012AB
}
```

Border

The CSS property to change the border of an element to Hex 0012AB 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
#0012AB }
```

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

```
.border{ border-color:#0012AB }
```

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

Here you see how a box with a 4 pixel #0012AB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0012AB; -webkit-box-shadow:4px 4px  
4px 4px #0012AB; box-shadow:4px 4px 4px  
4px #0012AB }
```

Background

The CSS property to change the background color of an element to Hex 0012AB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0012AB }
```

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

```
.background{ background-color:#0012AB }
```

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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