

Converting Colors

Hex(0016DE)

Have a look what the booklet for
Hex(0016DE) contains.

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Color

Hex(0016DE)

Conversions

Conversions Part 1

Format	Color
Hex	0016DE
RGB	0, 22, 222
RGB Percent	0%, 9%, 87%
CMY	1.0000, 0.9137, 0.1294
CMYK	1.00, 0.90, 0.00, 0.13
HSL	234°, 100%, 44%
HSV	234°, 100%, 87%
XYZ	13.4717, 5.8477, 69.5259
YIQ	38.2220, -77.3120, 57.5360

Conversions

Conversions Part 2

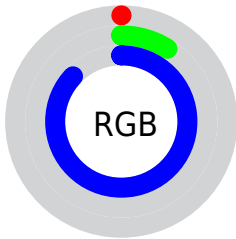
Format	Color
RYB	0, 20, 222
Decimal	5854
CIELab	29.03, 66.62, -94.59
CIElCh	29, 115.700, 305.156
Yxy	5.8477, 0.1516, 0.0658
Android (android.graphics.Color)	4278195934 (0xFF0016DE)
YUV	38.2220, 90.6026, -33.5207
Hunter-Lab	24.1821, 57.1227, -153.5371

Details

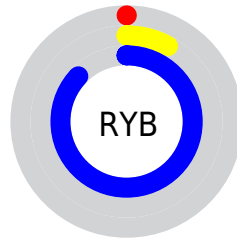
The Hex color **0016DE** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **DEC800**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **6F4CFF**, and **0000A5** is the 20% darker color. If you saturate the color by 10%, you get **0016DE**, and if you desaturate by 10%, it is **162ADE**.

Distribution



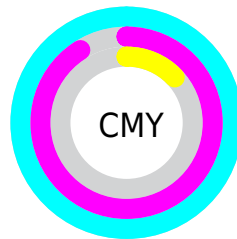
- Red (0%)
- Green (9%)
- Blue (87%)



- Red (0%)
- Yellow (8%)
- Blue (87%)



- Cyan (100%)
- Magenta (90%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (91%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0016DE 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 0016DE by changing the saturation by 10% instead.

 0016DE

 0016DE

FFFFFF

 0000C1

 6F4CFF

 0000A5

 9166FF

 00008A

 B281FF

 00056F

 D29CFF

 000C55


 F2B8FF

 00063D

 FFD4FF

 000326

 FFF1FF

 00010F

 000000

 0016DE

 162ADE

 2C3EDE

 4352DE

 5966DE

 6F7ADE

 858EDE

 9BA2DE

 B2B6DE

 C8CADE

Harmonies

Analogous

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



0053FF



0016DE



B00092

Triad

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



0016DE



8C0E00



005E53

Complementary

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



0016DE



DEC800

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.



005B00



0016DE



474800

Square

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



0016DE



BC0000



005700



0061AD

Rectangle

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



0016DE



CB0058



005700



005D33

Sweetspot

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



0016DE



B3BAFF



00DEC8



525680



000000



808080

Same Dimension

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



0016DE



0019FF



5900DE



656670



0011B0



000530

Inverse Universe

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



DE0016



FF0019



85DE00



706566



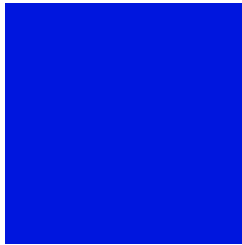
B00011



300005

Previews

White Background



This preview shows how the Hex color 0016DE looks on a white background.

Color Contrast Check

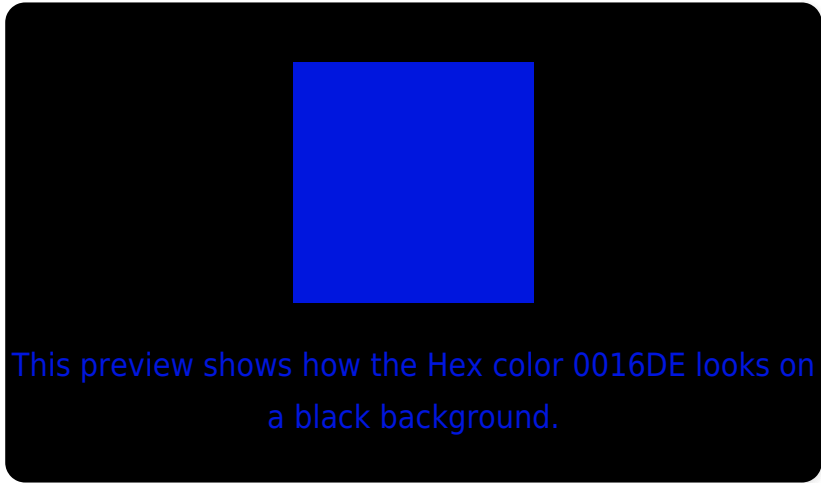
Large Text (above 18pt) WCAG AA ✓ Pass

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

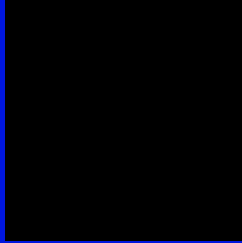
Any Text WCAG AA × Fail

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 0016DE Background



This preview shows how black text looks on a background with the Hex color 0016DE.



This preview shows how white text looks on a background with the Hex color 0016DE.

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
0016DE

Protanopia
00438C

Deuteranopia
004776

Trichromacy



Original Color
0016DE

Protanomaly
0033AA

Deuteranomaly
00359C

Tritanomaly
003984

Monochromacy



Original Color
0016DE

Achromatopsia
262626

Achromatomaly
182069

CSS Examples

Text

The CSS property to change the color of the text to Hex 0016DE 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 #0016DE looks like.

```
.text, #text, p{  
    color:#0016DE  
}
```

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 #0016DE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0016DE
}
```

Border

The CSS property to change the border of an element to Hex 0016DE 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
#0016DE }
```

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

```
.border{ border-color:#0016DE }
```

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

Here you see how a box with a 4 pixel #0016DE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0016DE; -webkit-box-shadow:4px 4px  
4px 4px #0016DE; box-shadow:4px 4px 4px  
4px #0016DE }
```

Background

The CSS property to change the background color of an element to Hex 0016DE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0016DE }
```

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

```
.background{ background-color:#0016DE }
```

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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