

Converting Colors

Hex(00046D)

Have a look what the booklet for
Hex(00046D) contains.

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Color

Hex(00046D)

Conversions

Conversions Part 1

Format	Color
Hex	00046D
RGB	0, 4, 109
RGB Percent	0%, 2%, 43%
CMY	1.0000, 0.9843, 0.5725
CMYK	1.00, 0.96, 0.00, 0.57
HSL	238°, 100%, 21%
HSV	238°, 100%, 43%
XYZ	2.8037, 1.1910, 14.5501
YIQ	14.7740, -36.0890, 31.8070

Conversions

Conversions Part 2

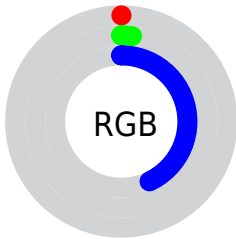
Format	Color
RYB	0, 4, 109
Decimal	1133
CIELab	10.49, 40.31, -56.58
CIELCh	10, 69.467, 305.467
Yxy	1.1910, 0.1512, 0.0642
Android (android.graphics.Color)	4278191213 (0xFF00046D)
YUV	14.7740, 46.4534, -12.9568
Hunter-Lab	10.9131, 26.7612, -71.4103

Details

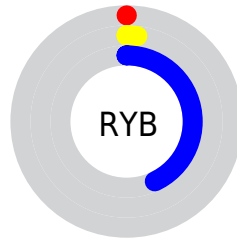
The Hex color **00046D** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **6D6900**, and the grayscale version is **0E0E0E**.

A 20% lighter version of the original color is **4B32A2**, and **00063C** is the 20% darker color. If you saturate the color by 10%, you get **00046D**, and if you desaturate by 10%, it is **0B0E6D**.

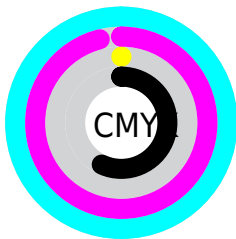
Distribution



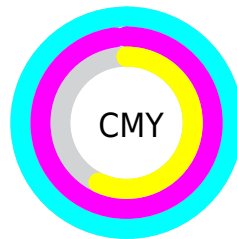
- Red (0%)
- Green (2%)
- Blue (43%)



- Red (0%)
- Yellow (2%)
- Blue (43%)



- Cyan (100%)
- Magenta (96%)
- Yellow (0%)
- Black (57%)



- Cyan (100%)
- Magenta (98%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00046D 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 00046D by changing the saturation by 10% instead.

 00046D

 00046D

 FFEAFF

 000054

 4B32A2

 00063C

 684ABD

 000225

 8463DA

 00010E

 A07CF7

 000000

 BD97FF

 DAB2FF

 F8CDFF

 00046D

■ 0B0E6D

■ 16196D

■ 21236D

■ 2C2E6D

■ 37386D

■ 41436D

■ 4C4E6D

■ 57586D

■ 62636D

Harmonies

Analogous

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



002480



00046D



550045

Triad

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



00046D



420300



002A25

Complementary

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



00046D



6D6900

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.



002900



00046D



1D1E00

Square

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



00046D



5B0000



002800



002D54

Rectangle

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



00046D



630026



002800



002A14

Sweetspot

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



00046D



64668F



006D68



2E2F47



C7C7C7



474747

Same Dimension

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



00046D



00058F



31006D



303036



000475



0009F5

Inverse Universe

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



6D0004



8F0005



3C6D00



363030



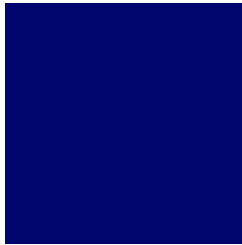
750004



F50009

Previews

White Background



This preview shows how the Hex color 00046D looks on a white background.

Color Contrast Check

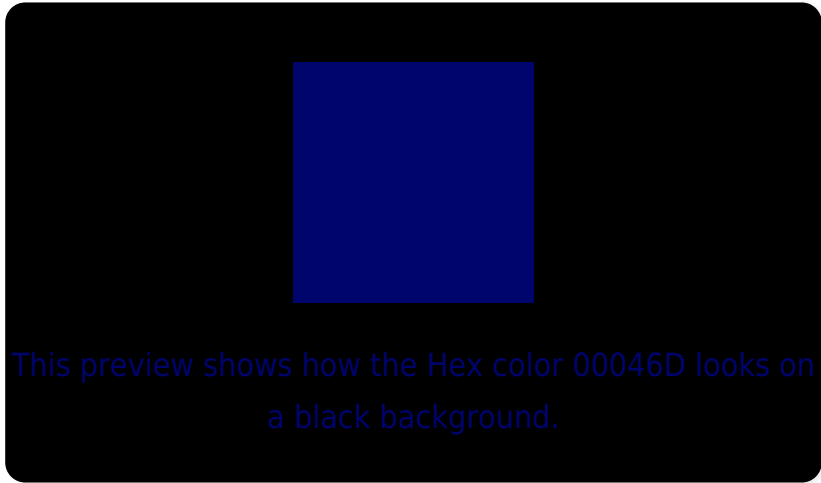
Large Text (above 18pt) WCAG AA ✓ Pass

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

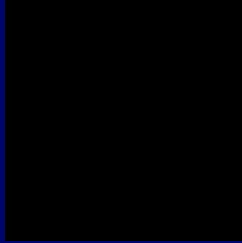
Any Text WCAG AA × Fail

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 00046D Background



This preview shows how black text looks on a background with the Hex color 00046D.



This preview shows how white text looks on a background with the Hex color 00046D.

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
00046D

Protanopia
002043

Deuteranopia
002239

Trichromacy



Original Color
00046D

Protanomaly
001652

Deuteranomaly
00174C

Tritanomaly
001940

Monochromacy



Original Color
00046D

Achromatopsia
0F0F0F

Achromatomaly
0A0B31

CSS Examples

Text

The CSS property to change the color of the text to Hex 00046D 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 #00046D looks like.

```
.text, #text, p{  
    color:#00046D  
}
```

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 #00046D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00046D
}
```

Border

The CSS property to change the border of an element to Hex 00046D 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
#00046D }
```

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

```
.border{ border-color:#00046D }
```

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

Here you see how a box with a 4 pixel #00046D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00046D; -webkit-box-shadow:4px 4px  
4px 4px #00046D; box-shadow:4px 4px 4px  
4px #00046D }
```

Background

The CSS property to change the background color of an element to Hex 00046D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00046D }
```

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

```
.background{ background-color:#00046D }
```

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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