

Converting Colors

Hex(00166E)

Have a look what the booklet for
Hex(00166E) contains.

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Color

Hex(00166E)

Conversions

Conversions Part 1

Format	Color
Hex	00166E
RGB	0, 22, 110
RGB Percent	0%, 9%, 43%
CMY	1.0000, 0.9137, 0.5686
CMYK	1.00, 0.80, 0.00, 0.57
HSL	228°, 100%, 22%
HSV	228°, 100%, 43%
XYZ	3.1014, 1.6996, 14.9164
YIQ	25.4540, -41.3600, 22.7040

Conversions

Conversions Part 2

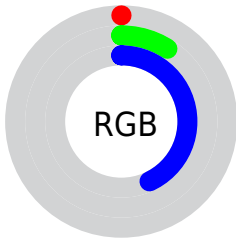
Format	Color
RYB	0, 18, 110
Decimal	5742
CIELab	13.82, 31.22, -51.68
CIELCh	14, 60.378, 301.137
Yxy	1.6996, 0.1573, 0.0862
Android (android.graphics.Color)	4278195822 (0xFF00166E)
YUV	25.4540, 41.6812, -22.3232
Hunter-Lab	13.0369, 19.6493, -58.7121

Details

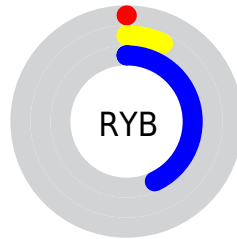
The Hex color **00166E** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **6E5800**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **4A42A3**, and **00023D** is the 20% darker color. If you saturate the color by 10%, you get **00166E**, and if you desaturate by 10%, it is **0B1F6E**.

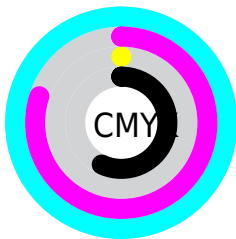
Distribution



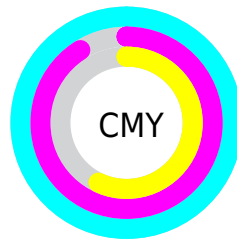
- Red (0%)
- Green (9%)
- Blue (43%)



- Red (0%)
- Yellow (7%)
- Blue (43%)



- Cyan (100%)
- Magenta (80%)
- Yellow (0%)
- Black (57%)



- Cyan (100%)
- Magenta (91%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00166E 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 00166E by changing the saturation by 10% instead.

 00166E

 00166E

 FFFAFF

 000055


 4A42A3

 00023D

 6659BE

 000326

 8272DA

 00010F

 9E8BF7

 000000

 BAA6FF

 D7C1FF

 F5DDFF

 00166E

■ 0B1F6E

■ 16286E

■ 21306E

■ 2C396E

■ 37426E

■ 424B6E

■ 4D546E

■ 585C6E

■ 63656E

Harmonies

Analogous

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



002B7B



00166E



53004D

Triad

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



00166E



4B0A00



003324

Complementary

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



00166E



6E5800

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.



003100



00166E



2C2300

Square

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



00166E



600000



002C00



00334F

Rectangle

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



00166E



620032



002C00



003215

Sweetspot

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



00166E



646D8F



006E58



2E3347



C7C7C7



474747

Same Dimension

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



00166E



001D8F



21006E



323438



001878



0031F7

Inverse Universe

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



6E0016



8F001D



4D6E00



383234



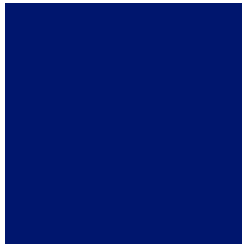
780018



F70031

Previews

White Background



This preview shows how the Hex color 00166E looks on a white background.

Color Contrast Check

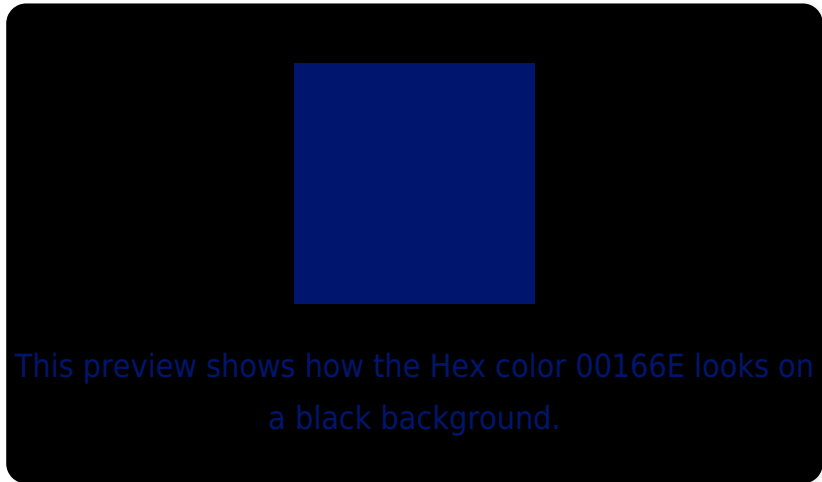
Large Text (above 18pt) WCAG AA ✓ Pass

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

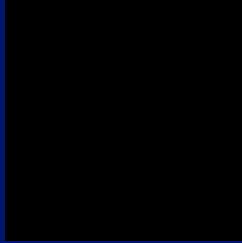
Any Text WCAG AA × Fail

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 00166E Background



This preview shows how black text looks on a background with the Hex color 00166E.



This preview shows how white text looks on a background with the Hex color 00166E.

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
00166E

Protanopia
00244C

Deuteranopia
002640



Tritanopia
00292B

Trichromacy



Original Color
00166E

Protanomaly
001F58

Deuteranomaly
002051

Tritanomaly
002243

Monochromacy



Original Color
00166E

Achromatopsia
191919

Achromatomaly
101838

CSS Examples

Text

The CSS property to change the color of the text to Hex 00166E 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 #00166E looks like.

```
.text, #text, p{  
    color:#00166E  
}
```

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 #00166E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00166E
}
```

Border

The CSS property to change the border of an element to Hex 00166E 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
#00166E }
```

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

```
.border{ border-color:#00166E }
```

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

Here you see how a box with a 4 pixel #00166E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00166E; -webkit-box-shadow:4px 4px  
4px 4px #00166E; box-shadow:4px 4px 4px  
4px #00166E }
```

Background

The CSS property to change the background color of an element to Hex 00166E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00166E }
```

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

```
.background{ background-color:#00166E }
```

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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