

# Converting Colors

Hex(016498)

Have a look what the booklet for  
Hex(016498) contains.

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# Color

**Hex(016498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	016498
RGB	1, 100, 152
RGB Percent	0%, 39%, 60%
CMY	0.9961, 0.6078, 0.4039
CMYK	0.99, 0.34, 0.00, 0.40
HSL	201°, 99%, 30%
HSV	201°, 99%, 60%
XYZ	10.2372, 11.3878, 31.3643
YIQ	76.3270, -75.6960, -4.8160

# Conversions

## Conversions Part 2

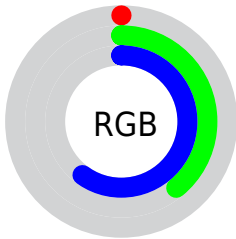
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 61, 152
Decimal	91288
CIE <sub>Lab</sub>	40.23, -4.46, -35.14
CIE <sub>LCh</sub>	40, 35.426, 262.768
Yxy	11.3878, 0.1932, 0.2149
Android (android.graphics.Color)	4278281368 (0xFF016498)
YUV	76.3270, 37.3068, -66.0618
Hunter-Lab	33.7458, -4.9051, -31.4837

# Details

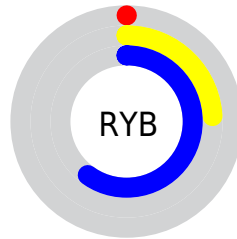
The Hex color **016498** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **983501**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **5497CF**, and **003665** is the 20% darker color. If you saturate the color by 10%, you get **006498**, and if you desaturate by 10%, it is **106998**.

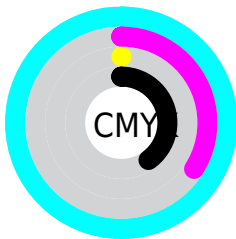
# Distribution



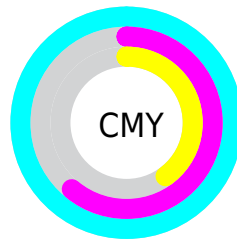
- Red (0%)
- Green (39%)
- Blue (60%)



- Red (0%)
- Yellow (24%)
- Blue (60%)



- Cyan (99%)
- Magenta (34%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (61%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 016498 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 016498 by changing the saturation by 10% instead.



016498

016498

FFFFFF

004C7E

5497CF

003665

72B1EB

00214C

8FCDFE

000635

ACE9FF

00021F

C9FFFF

000003

E6FFFF

000000

016498

016498

006498

106998

■ 1F6E98

■ 2F7498

■ 3E7998

■ 4D7E98

■ 5C8398

■ 6B8998

■ 7B8E98

■ 8A9398

# Harmonies

## Analogous

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



006A8C



016498



555A94

# Triad

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



016498



95474A



376A3A

# Complementary

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



016498



983501

# 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.



5A6427



016498



8A5031

# Square

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



016498



904667



755B23



006D57

# Rectangle

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



016498



715289



755B23



446833



# Sweetspot

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



016498



89B0C4



019833



405763



E3E3E3



636363



# Same Dimension

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



016498



0081C4



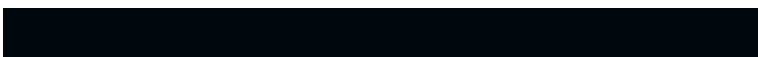
011A98



454A4D



005C8C



00080D



# Inverse Universe

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



980164



C40081



987F01



4D454A



8C005C



0D0008



# Previews

## White Background



This preview shows how the Hex color 016498 looks on a white background.

## Color Contrast Check

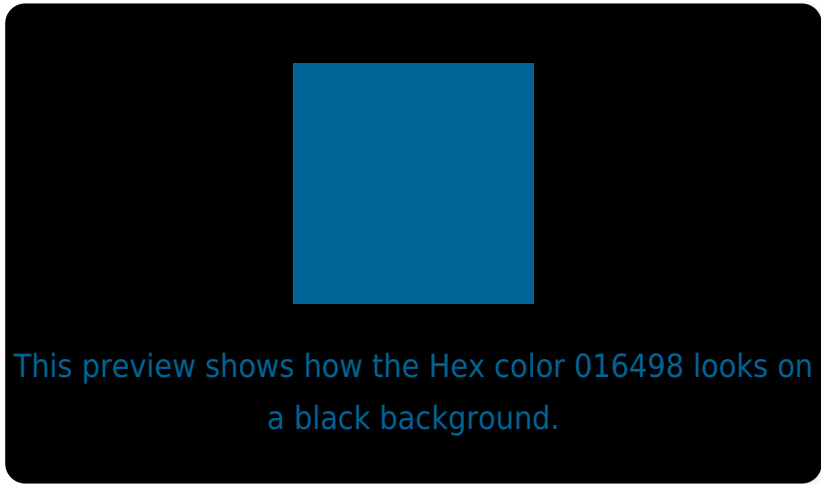
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

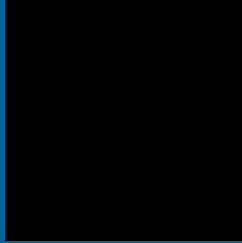
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 016498 Background



This preview shows how black text looks on a background with the Hex color 016498.



This preview shows how white text looks on a background with the Hex color 016498.

# 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





**Tritanopia**  
006971

# Trichromacy



**Original Color**  
016498

**Protanomaly**  
316094

**Deuteranomaly**  
276199

**Tritanomaly**  
00677F

# Monochromacy



**Original Color**  
016498

**Achromatopsia**  
4C4C4C

**Achromatomaly**  
315568

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 016498 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 #016498 looks like.

```
.text, #text, p{  
    color:#016498  
}
```

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 #016498 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #016498
}
```

## Border

The CSS property to change the border of an element to Hex 016498 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
#016498 }
```

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

```
.border{ border-color:#016498 }
```

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

Here you see how a box with a 4 pixel #016498 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #016498; -webkit-box-shadow:4px 4px  
4px 4px #016498; box-shadow:4px 4px 4px  
4px #016498 }
```

# Background

The CSS property to change the background color of an element to Hex 016498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#016498 }
```

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

```
.background{ background-color:#016498 }
```

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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