

# Converting Colors

Hex(00206A)

Have a look what the booklet for  
Hex(00206A) contains.

<b>Hex(00206A)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	28

# Color

**Hex(00206A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00206A
RGB	0, 32, 106
RGB Percent	0%, 13%, 42%
CMY	1.0000, 0.8745, 0.5843
CMYK	1.00, 0.70, 0.00, 0.58
HSL	222°, 100%, 21%
HSV	222°, 100%, 42%
XYZ	3.1180, 2.0736, 13.8716
YIQ	30.8680, -42.8260, 16.2300

# Conversions

## Conversions Part 2

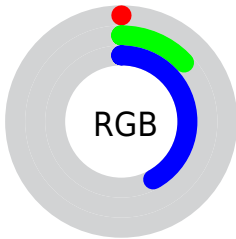
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 25, 106
Decimal	8298
CIELab	15.87, 22.69, -45.69
CIELCh	16, 51.015, 296.414
Yxy	2.0736, 0.1636, 0.1088
Android (android.graphics.Color)	4278198378 (0xFF00206A)
YUV	30.8680, 37.0401, -27.0712
Hunter-Lab	14.4001, 13.4501, -47.0338

# Details

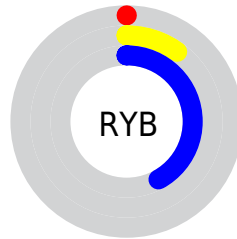
The Hex color **00206A** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **6A4A00**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **474C9E**, and **00023A** is the 20% darker color. If you saturate the color by 10%, you get **00206A**, and if you desaturate by 10%, it is **0B276A**.

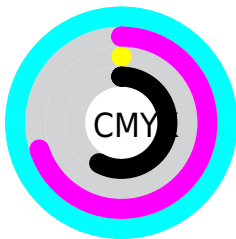
# Distribution



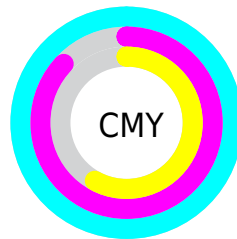
- Red (0%)
- Green (13%)
- Blue (42%)



- Red (0%)
- Yellow (10%)
- Blue (42%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (58%)



- Cyan (100%)
- Magenta (87%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00206A 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 00206A by changing the saturation by 10% instead.



■ 00206A

■ 00206A

FFFFFF

■ 000C51

■ 474C9E

■ 00023A

■ 6363BA

■ 000223

■ 7E7CD5

■ 00000A

■ 9A96F2

■ 000000

■ B6B1FF

■ D3CCFF

■ F0E9FF

■ 00206A

■ 0B276A

■ 152F6A

■ 20366A

■ 2A3E6A

■ 35456A

■ 404C6A

■ 4A546A

■ 555B6A

■ 5F636A

# Harmonies

## Analogous

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



002E72



00206A



4C0050

# Triad

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



00206A



501100



003522

# Complementary

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



00206A



6A4A00

# 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.



003300



00206A



362500

# Square

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



00206A



600006



102E00



003547

# Rectangle

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



00206A



5D003A



102E00



003415



# Sweetspot

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



00206A



606D8A



006A48



2C3445



C4C4C4



454545



# Same Dimension

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



00206A



002A8A



13006A



303236



002375



004AF5



# Inverse Universe

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



6A0020



8A002A



576A00



363032



750023



F5004A



# Previews

## White Background



This preview shows how the Hex color 00206A looks on a white background.

## Color Contrast Check

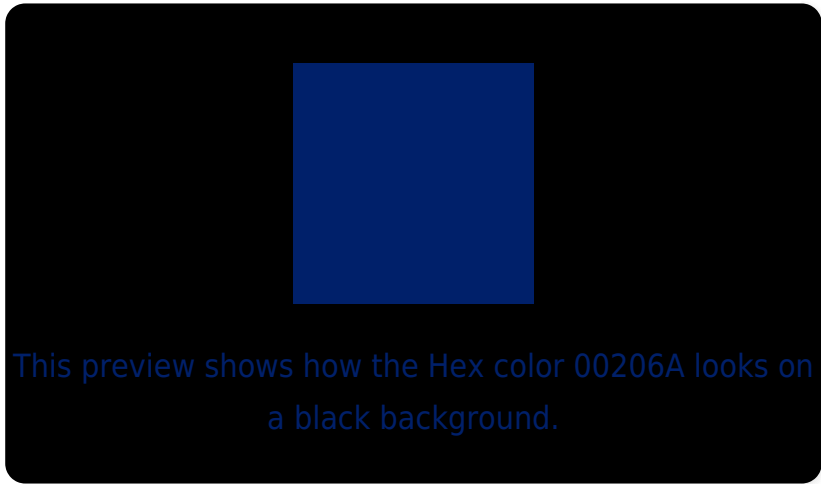
Large Text (above 18pt) WCAG AA ✓ Pass

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

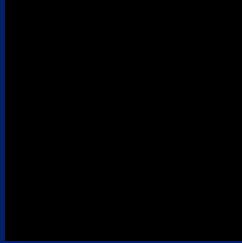
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00206A Background



This preview shows how black text looks on a background with the Hex color 00206A.



This preview shows how white text looks on a background with the Hex color 00206A.

# 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**  
00206A

**Deuteranopia**  
002A47

**Tritanopia**  
002D30

# Trichromacy



**Original Color**  
00206A

**Deuteranomaly**  
002654

**Tritanomaly**  
002845

# Monochromacy



**Original Color**  
00206A

**Achromatopsia**  
1F1F1F

**Achromatomaly**  
141F3A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00206A 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 #00206A looks like.

```
.text, #text, p{  
    color:#00206A  
}
```

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 #00206A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00206A
}
```

## Border

The CSS property to change the border of an element to Hex 00206A 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
#00206A }
```

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

```
.border{ border-color:#00206A }
```

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

Here you see how a box with a 4 pixel #00206A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00206A; -webkit-box-shadow:4px 4px  
4px 4px #00206A; box-shadow:4px 4px 4px  
4px #00206A }
```

# Background

The CSS property to change the background color of an element to Hex 00206A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00206A }
```

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

```
.background{ background-color:#00206A }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**



**Follow me  
on Twitter!**

@ConvertingColor