

# Converting Colors

Hex(0016A5)

Have a look what the booklet for  
Hex(0016A5) contains.

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# Color

**Hex(0016A5)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0016A5
RGB	0, 22, 165
RGB Percent	0%, 9%, 65%
CMY	1.0000, 0.9137, 0.3529
CMYK	1.00, 0.87, 0.00, 0.35
HSL	232°, 100%, 32%
HSV	232°, 100%, 65%
XYZ	7.0784, 3.2904, 35.8594
YIQ	31.7240, -59.0150, 39.8090

# Conversions

## Conversions Part 2

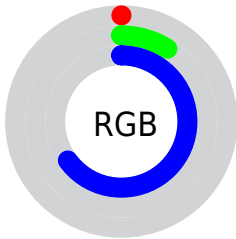
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 19, 165
Decimal	5797
CIELab	21.17, 50.14, -74.03
CIELCh	21, 89.411, 304.111
Yxy	3.2904, 0.1531, 0.0712
Android (android.graphics.Color)	4278195877 (0xFF0016A5)
YUV	31.7240, 65.7051, -27.8219
Hunter-Lab	18.1395, 37.9103, -104.5104

# Details

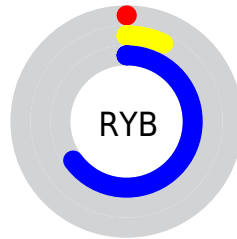
The Hex color **0016A5** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **A58F00**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **5D46DD**, and **000070** is the 20% darker color. If you saturate the color by 10%, you get **0016A5**, and if you desaturate by 10%, it is **1024A5**.

# Distribution



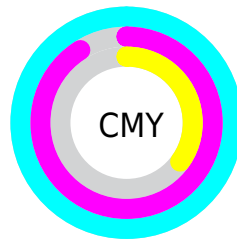
- Red (0%)
- Green (9%)
- Blue (65%)



- Red (0%)
- Yellow (7%)
- Blue (65%)



- Cyan (100%)
- Magenta (87%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (91%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0016A5 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 0016A5 by changing the saturation by 10% instead.



 0016A5

 0016A5

FFFFFF

 00008A

 5D46DD

 000070

 7C5FFB

 000356

 9B78FF

 00063E

 B993FF

 000327

 D7AEFF

 000110

 F6CAFF

 000000

 FFE6FF

 0016A5

■ 1024A5

■ 2133A5

■ 3241A5

■ 424FA5

■ 525DA5

■ 636CA5

■ 737AA5

■ 8488A5

■ 9497A5

# Harmonies

## Analogous

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



003EBE



0016A5



81006E

# Triad

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



0016A5



6A0B00



00473B

# Complementary

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



0016A5



A58F00

# 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.



004500



0016A5



383400

# Square

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



0016A5



8D0000



004000



00497E

# Rectangle

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



0016A5



960043



004000



004623



# Sweetspot

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



0016A5



969FD6



00A58F



454A6B



EBEBEB



6B6B6B



# Same Dimension

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



0016A5



001DD6



3C00A5



494B52



001391



000212



# Inverse Universe

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



A50016



D6001D



68A500



52494B



910013

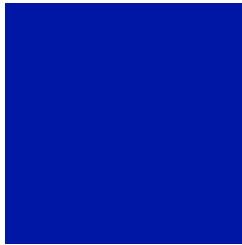


120002



# Previews

## White Background



This preview shows how the Hex color 0016A5 looks on a white background.

## Color Contrast Check

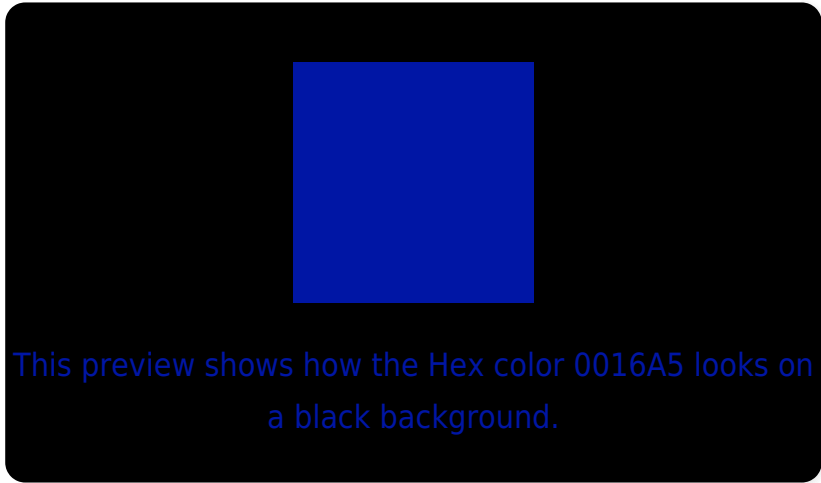
Large Text (above 18pt) WCAG AA ✓ Pass

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

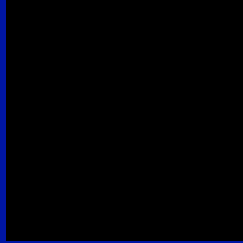
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0016A5 Background



This preview shows how black text looks on a background with the Hex color 0016A5.



This preview shows how white text looks on a background with the Hex color 0016A5.

# 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**  
0016A5

**Protanopia**  
00336A

**Deuteranopia**  
00365A



**Tritanopia**  
003A3D

# Trichromacy



**Original Color**  
0016A5

**Protanomaly**  
00287F

**Deuteranomaly**  
002A75

**Tritanomaly**  
002D63

# Monochromacy



**Original Color**  
0016A5

**Achromatopsia**  
202020

**Achromatomaly**  
141C50

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0016A5 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 #0016A5 looks like.

```
.text, #text, p{  
    color:#0016A5  
}
```

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 #0016A5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0016A5
}
```

## Border

The CSS property to change the border of an element to Hex 0016A5 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
#0016A5 }
```

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

```
.border{ border-color:#0016A5 }
```

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

Here you see how a box with a 4 pixel #0016A5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0016A5; -webkit-box-shadow:4px 4px  
4px 4px #0016A5; box-shadow:4px 4px 4px  
4px #0016A5 }
```

# Background

The CSS property to change the background color of an element to Hex 0016A5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0016A5 }
```

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

```
.background{ background-color:#0016A5 }
```

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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