

# Converting Colors

Hex(0040A1)

Have a look what the booklet for  
Hex(0040A1) contains.

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# Color

**Hex(0040A1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0040A1
RGB	0, 64, 161
RGB Percent	0%, 25%, 63%
CMY	1.0000, 0.7490, 0.3686
CMYK	1.00, 0.60, 0.00, 0.37
HSL	216°, 100%, 32%
HSV	216°, 100%, 63%
XYZ	8.2664, 6.2400, 34.4870
YIQ	55.9220, -69.2810, 16.5990

# Conversions

## Conversions Part 2

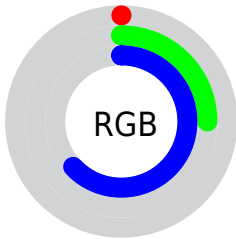
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 46, 161
Decimal	16545
CIELab	30.01, 23.21, -57.00
CIElCh	30, 61.547, 292.154
Yxy	6.2400, 0.1687, 0.1274
Android (android.graphics.Color)	4278206625 (0xFF0040A1)
YUV	55.9220, 51.8035, -49.0436
Hunter-Lab	24.9800, 15.3545, -64.3688

# Details

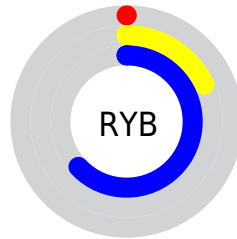
The Hex color **0040A1** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A16100**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **586FD9**, and **00186C** is the 20% darker color. If you saturate the color by 10%, you get **0040A1**, and if you desaturate by 10%, it is **104AA1**.

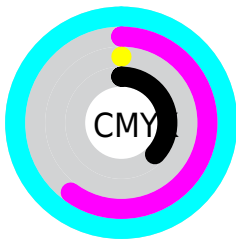
# Distribution



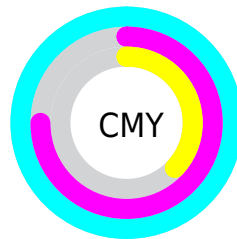
- Red (0%)
- Green (25%)
- Blue (63%)



- Red (0%)
- Yellow (18%)
- Blue (63%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (75%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0040A1 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 0040A1 by changing the saturation by 10% instead.



■ 0040A1

■ 0040A1

FFFFFF

■ 002B86

■ 586FD9

■ 00186C

■ 7688F6

■ 000053

■ 93A2FF

■ 00063B

■ B1BDFF

■ 000225

■ CED9FF

■ 00010D

■ ECF5FF

■ 000000

■ 0040A1

■ 104AA1

■ 2053A1

■ 305DA1

■ 4067A1

■ 5170A1

■ 617AA1

■ 7184A1

■ 818EA1

■ 9197A1

# Harmonies

## Analogous

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



0051A7



0040A1



712182

# Triad

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



0040A1



832700



005938

# Complementary

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



0040A1



A16100

# 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.



005600



0040A1



624000

# Square

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



0040A1



950026



364F00



005A6A

# Rectangle

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



0040A1



8B0065



364F00



005827



# Sweetspot

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



0040A1



92ABD1



00A161



435269



E8E8E8



696969



# Same Dimension

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



0040A1



0053D1



1000A1



494D52



003A91



000712



# Inverse Universe

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



A10040



D10053



91A100



52494D



91003A



120007



# Previews

## White Background



This preview shows how the Hex color 0040A1 looks on a white background.

## Color Contrast Check

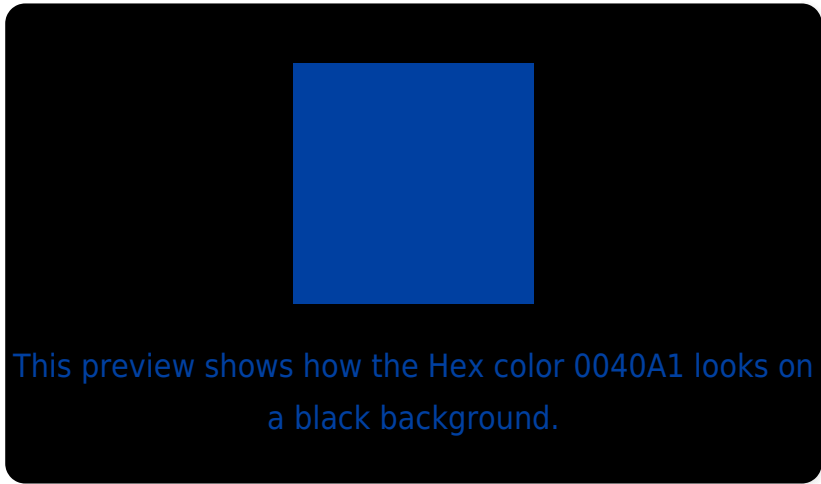
Large Text (above 18pt) WCAG AA ✓ Pass

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

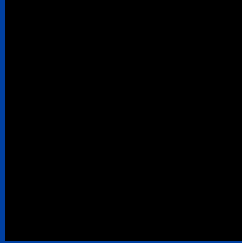
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0040A1 Background



This preview shows how black text looks on a background with the Hex color 0040A1.



This preview shows how white text looks on a background with the Hex color 0040A1.

# 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**  
0040A1

**Protanopia**  
004491

**Deuteranopia**  
00497C



**Tritanopia**  
004F54

# Trichromacy



**Original Color**  
0040A1

**Protanomaly**  
004397

**Deuteranomaly**  
004689

**Tritanomaly**  
004A70

# Monochromacy



**Original Color**  
0040A1

**Achromatopsia**  
383838

**Achromatomaly**  
243B5E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0040A1 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 #0040A1 looks like.

```
.text, #text, p{  
    color:#0040A1  
}
```

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 #0040A1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0040A1
}
```

## Border

The CSS property to change the border of an element to Hex 0040A1 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
#0040A1 }
```

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

```
.border{ border-color:#0040A1 }
```

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

Here you see how a box with a 4 pixel #0040A1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0040A1; -webkit-box-shadow:4px 4px  
4px 4px #0040A1; box-shadow:4px 4px 4px  
4px #0040A1 }
```

# Background

The CSS property to change the background color of an element to Hex 0040A1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0040A1 }
```

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

```
.background{ background-color:#0040A1 }
```

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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