

# Converting Colors

Hex(0049A1)

Have a look what the booklet for  
Hex(0049A1) contains.

<b>Hex(0049A1)</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> .....	29

# Color

**Hex(0049A1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0049A1
RGB	0, 73, 161
RGB Percent	0%, 29%, 63%
CMY	1.0000, 0.7137, 0.3686
CMYK	1.00, 0.55, 0.00, 0.37
HSL	213°, 100%, 32%
HSV	213°, 100%, 63%
XYZ	8.8156, 7.3383, 34.6700
YIQ	61.2050, -71.7560, 11.8920

# Conversions

## Conversions Part 2

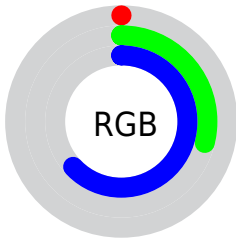
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 50, 161
Decimal	18849
CIELab	32.56, 17.00, -52.84
CIELCh	33, 55.506, 287.832
Yxy	7.3383, 0.1735, 0.1444
Android (android.graphics.Color)	4278208929 (0xFF0049A1)
YUV	61.2050, 49.1989, -53.6768
Hunter-Lab	27.0893, 10.6823, -56.9193

# Details

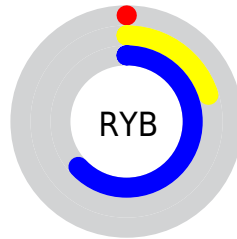
The Hex color **0049A1** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **A15800**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **5779D9**, and **001F6C** is the 20% darker color. If you saturate the color by 10%, you get **0049A1**, and if you desaturate by 10%, it is **1052A1**.

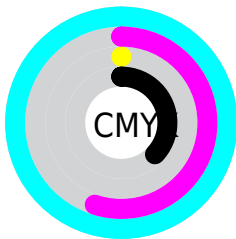
# Distribution



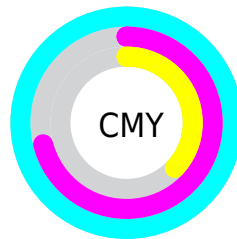
- Red (0%)
- Green (29%)
- Blue (63%)



- Red (0%)
- Yellow (20%)
- Blue (63%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (71%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0049A1 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 0049A1 by changing the saturation by 10% instead.



0049A1

0049A1

FFFFFF

003386

5779D9

001F6C

7592F5

000754

92ADFF

00063B

B0C8FF

000225

CDE4FF

00010D

EBFFFF

000000


0049A1


1052A1

 205BA1

 3063A1

 406CA1

 5175A1

 617EA1

 7187A1

 818FA1

 9198A1

# Harmonies

## Analogous

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



0057A3



0049A1



6D3288

# Triad

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



0049A1



892E08



005E39

# Complementary

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



0049A1



A15800

# 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.



005A05



0049A1



6D4400

# Square

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



0049A1



971335



465200



005F66

# Rectangle

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



0049A1



881F6F



465200



005D29



# Sweetspot

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



0049A1



92AFD1



00A156



435469



E8E8E8



696969



# Same Dimension

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



0049A1



005FD1



0500A1



494D52



004291



000812



# Inverse Universe

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



A10049



D1005F



9CA100



52494D



910042



120008



# Previews

## White Background



This preview shows how the Hex color 0049A1 looks on a white background.

## Color Contrast Check

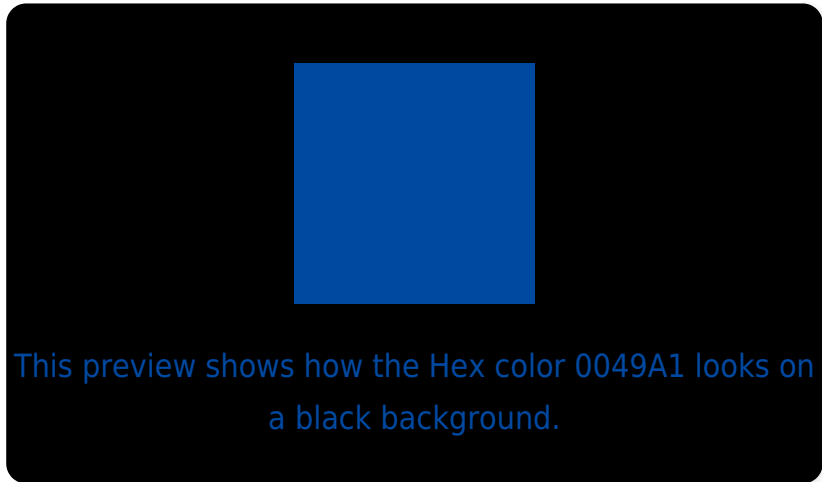
Large Text (above 18pt) WCAG AA ✓ Pass

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

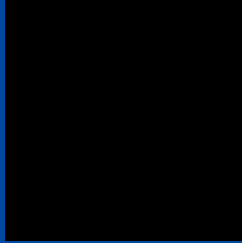
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0049A1 Background



This preview shows how black text looks on a background with the Hex color 0049A1.



This preview shows how white text looks on a background with the Hex color 0049A1.

# 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**

0049A1

**Protanopia**

004A9D

**Deuteranopia**

004F88



**Tritanopia**  
00555B

# Trichromacy



**Original Color**  
0049A1

**Protanomaly**  
004A9E

**Deuteranomaly**  
004D91

**Tritanomaly**  
005174

# Monochromacy



**Original Color**  
0049A1

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
274161

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0049A1 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 #0049A1 looks like.

```
.text, #text, p{  
    color:#0049A1  
}
```

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 #0049A1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0049A1
}
```

## Border

The CSS property to change the border of an element to Hex 0049A1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

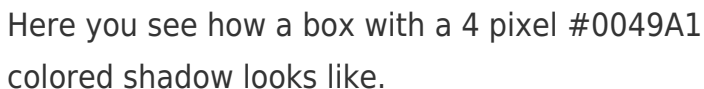
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0049A1 }
```

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

```
.border{ border-color:#0049A1 }
```

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



Here you see how a box with a 4 pixel #0049A1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0049A1; -webkit-box-shadow:4px 4px  
4px 4px #0049A1; box-shadow:4px 4px 4px  
4px #0049A1 }
```

# Background

The CSS property to change the background color of an element to Hex 0049A1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0049A1 }
```

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

```
.background{ background-color:#0049A1 }
```

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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