

# Converting Colors

Hex(1816A9)

Have a look what the booklet for  
Hex(1816A9) contains.

<b>Hex(1816A9)</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(1816A9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1816A9
RGB	24, 22, 169
RGB Percent	9%, 9%, 66%
CMY	0.9059, 0.9137, 0.3373
CMYK	0.86, 0.87, 0.00, 0.34
HSL	241°, 77%, 37%
HSV	241°, 87%, 66%
XYZ	7.8250, 3.6326, 37.8248
YIQ	39.3560, -45.9950, 46.1410

# Conversions

## Conversions Part 2

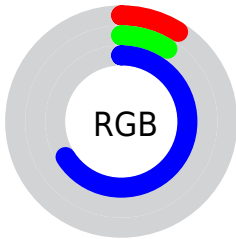
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	24, 22, 169
Decimal	1578665
CIE Lab	22.42, 51.92, -74.36
CIE LCh	22, 90.691, 304.925
Yxy	3.6326, 0.1588, 0.0737
Android (android.graphics.Color)	4279768745 (0xFF1816A9)
YUV	39.3560, 63.9145, -13.4672
Hunter-Lab	19.0593, 39.9314, -104.3245

# Details

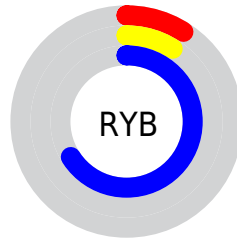
The Hex color **1816A9** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **A7A916**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **6547E2**, and **000073** is the 20% darker color. If you saturate the color by 10%, you get **0705A9**, and if you desaturate by 10%, it is **2927A9**.

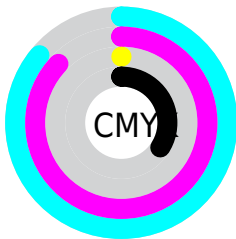
# Distribution



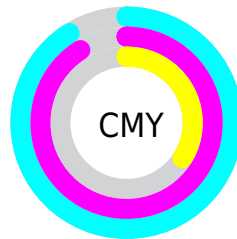
- Red (9%)
- Green (9%)
- Blue (66%)



- Red (9%)
- Yellow (9%)
- Blue (66%)



- Cyan (86%)
- Magenta (87%)
- Yellow (0%)
- Black (34%)



- Cyan (91%)
- Magenta (91%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1816A9 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 1816A9 by changing the saturation by 10% instead.



■ 1816A9

■ 1816A9

FFFFFF

■ 00008E

■ 6547E2

■ 000073

■ 8460FF

■ 00005A

■ A27AFF

■ 000741

■ C095FF

■ 00032A

■ DFB0FF

■ 000114

■ FDCCFF

■ 000000

■ FFE8FF

■ 1816A9

■ 1816A9

■ 0705A9

■ 2927A9

■ 0200A9

■ 3938A9

■ 4A49A9

■ 5B5AA9

■ 6B6AA9

■ 7C7BA9

■ 8D8CA9

■ 9D9DA9

■ AEAEA9

# Harmonies

## Analogous

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



0040C3



1816A9



870071

# Triad

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



1816A9



6D1100



004A40

# Complementary

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



1816A9



A7A916

# 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.



004800



1816A9



393800

# Square

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



1816A9



910000



004400



004C84

# Rectangle

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



1816A9



9B0044



004400



004A28



# Sweetspot

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



1816A9



A3A2DB



16A9A9



4C4C6E



EDEDED



6E6E6E



# Same Dimension

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



1816A9



0300DB



5F16A9



4C4C54



020094



000014



# Inverse Universe

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



A916A7



DB00D8



5FA916



544C54



940092

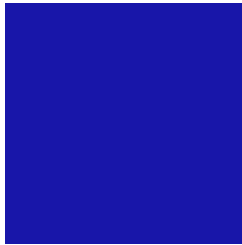


140014



# Previews

## White Background



This preview shows how the Hex color 1816A9 looks on a white background.

## Color Contrast Check

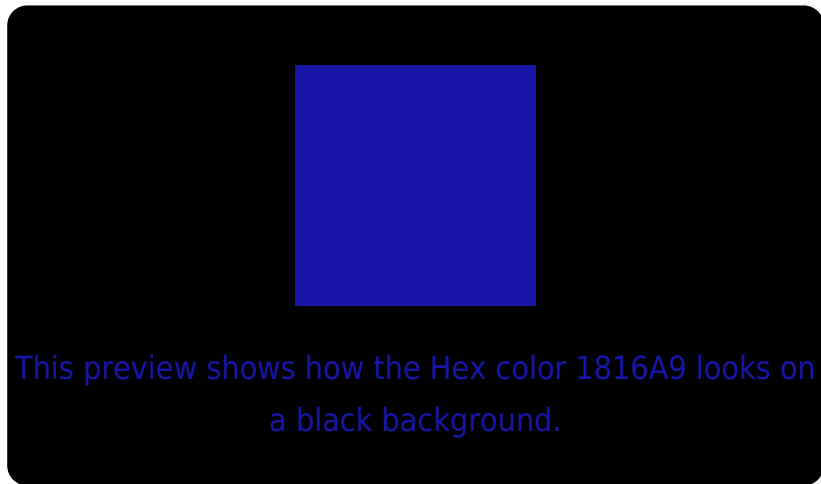
Large Text (above 18pt) WCAG AA ✓ Pass

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

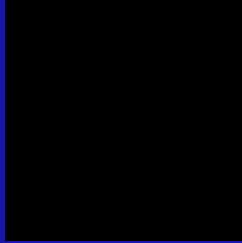
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1816A9 Background



This preview shows how black text looks on a background with the Hex color 1816A9.



This preview shows how white text looks on a background with the Hex color 1816A9.

# 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**  
1816A9

**Protanopia**  
00356E

**Deuteranopia**  
00385E



**Tritanopia**  
003D3F

# Trichromacy



**Original Color**  
1816A9

**Protanomaly**  
092A83

**Deuteranomaly**  
092C79

**Tritanomaly**  
092F66

# Monochromacy



**Original Color**  
1816A9

**Achromatopsia**  
272727

**Achromatomaly**  
222156

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1816A9 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 #1816A9 looks like.

```
.text, #text, p{  
    color:#1816A9  
}
```

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 #1816A9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1816A9
}
```

## Border

The CSS property to change the border of an element to Hex 1816A9 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".

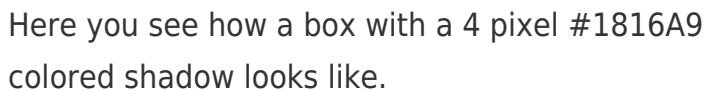
```
.border, #border, table{ border:4px solid
#1816A9 }
```

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

```
.border{ border-color:#1816A9 }
```

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

Here you see how a box with a 4 pixel #1816A9 colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1816A9; -webkit-box-shadow:4px 4px  
4px 4px #1816A9; box-shadow:4px 4px 4px  
4px #1816A9 }
```

# Background

The CSS property to change the background color of an element to Hex 1816A9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1816A9 }
```

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

```
.background{ background-color:#1816A9 }
```

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