

# Converting Colors

Hex(1D419F)

Have a look what the booklet for  
Hex(1D419F) contains.

<b>Hex(1D419F)</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(1D419F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1D419F
RGB	29, 65, 159
RGB Percent	11%, 25%, 62%
CMY	0.8863, 0.7451, 0.3765
CMYK	0.82, 0.59, 0.00, 0.38
HSL	223°, 69%, 37%
HSV	223°, 82%, 62%
XYZ	8.6550, 6.5450, 33.6080
YIQ	64.9520, -51.6300, 21.6020

# Conversions

## Conversions Part 2

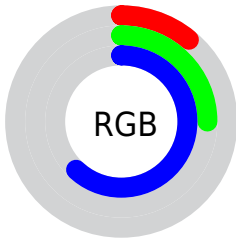
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	29, 57, 159
Decimal	1917343
CIE <sub>Lab</sub>	30.75, 23.45, -54.56
CIE <sub>LCh</sub>	31, 59.388, 293.255
Yxy	6.5450, 0.1773, 0.1341
Android (android.graphics.Color)	4280107423 (0xFF1D419F)
YUV	64.9520, 46.3657, -31.5299
Hunter-Lab	25.5832, 15.6173, -59.9796

# Details

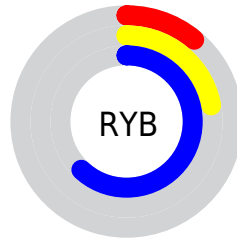
The Hex color **1D419F** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **9F7B1D**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **6070D7**, and **00186A** is the 20% darker color. If you saturate the color by 10%, you get **0D369F**, and if you desaturate by 10%, it is **2D4C9F**.

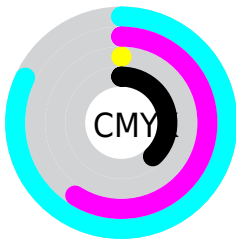
# Distribution



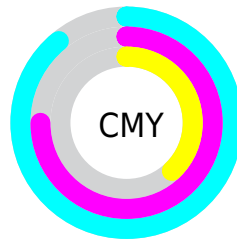
- Red (11%)
- Green (25%)
- Blue (62%)



- Red (11%)
- Yellow (22%)
- Blue (62%)



- Cyan (82%)
- Magenta (59%)
- Yellow (0%)
- Black (38%)



- Cyan (89%)
- Magenta (75%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1D419F 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 1D419F by changing the saturation by 10% instead.



■ 1D419F

■ 1D419F

FFFFFF

■ 002B84

■ 6070D7

■ 00186A

■ 7E8AF3

■ 000052

■ 9BA4FF

■ 00053A

■ B8BFFF

■ 000223

■ D5DBFF

■ 00000A

■ F3F7FF

■ 000000

■ 1D419F

■ 1D419F

■ 0D369F

■ 2D4C9F

002C9F

3D589F

4D639F

5D6F9F

6D7A9F

7C869F

8C919F

9C9D9F

ACA89F

# Harmonies

## Analogous

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



0052A6



1D419F



742481

# Triad

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



1D419F



832C00



005B3C

# Complementary

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



1D419F



9F7B1D

# 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.



005704



1D419F



624300

# Square

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



1D419F



950027



375000



005B6C

# Rectangle

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



1D419F



8C0364



375000



005A2C



# Sweetspot

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



1D419F



9BA9CF



1D9F7A



495269



E8E8E8



696969



# Same Dimension

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



1D419F



043CCF



391D9F



47494F



00288F



00040F



# Inverse Universe

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



9F1D41



CF043C



839F1D



4F4749



8F0028



0F0004



# Previews

## White Background



This preview shows how the Hex color 1D419F looks on a white background.

## Color Contrast Check

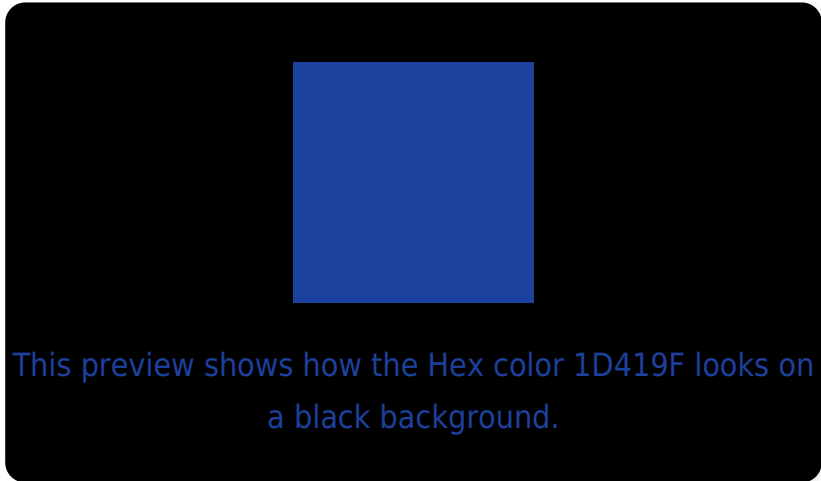
Large Text (above 18pt) WCAG AA ✓ Pass

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

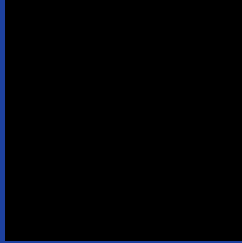
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1D419F Background



This preview shows how black text looks on a background with the Hex color 1D419F.



This preview shows how white text looks on a background with the Hex color 1D419F.

# 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**  
1D419F

**Protanopia**  
004694

**Deuteranopia**  
004A7F



# Trichromacy



**Original Color**  
1D419F

**Protanomaly**  
0B4498

**Deuteranomaly**  
0B478B

**Tritanomaly**  
0B4B70

# Monochromacy



**Original Color**  
1D419F

**Achromatopsia**  
414141

**Achromatomaly**  
344163

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1D419F 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 #1D419F looks like.

```
.text, #text, p{  
    color:#1D419F  
}
```

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 #1D419F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1D419F
}
```

## Border

The CSS property to change the border of an element to Hex 1D419F 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
#1D419F }
```

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

```
.border{ border-color:#1D419F }
```

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

Here you see how a box with a 4 pixel #1D419F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1D419F; -webkit-box-shadow:4px 4px  
4px 4px #1D419F; box-shadow:4px 4px 4px  
4px #1D419F }
```

# Background

The CSS property to change the background color of an element to Hex 1D419F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1D419F }
```

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

```
.background{ background-color:#1D419F }
```

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