

# Converting Colors

Hex(18389E)

Have a look what the booklet for  
Hex(18389E) contains.

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# Color

**Hex(18389E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	18389E
RGB	24, 56, 158
RGB Percent	9%, 22%, 62%
CMY	0.9059, 0.7804, 0.3804
CMYK	0.85, 0.65, 0.00, 0.38
HSL	226°, 74%, 36%
HSV	226°, 85%, 62%
XYZ	7.9624, 5.4912, 32.9880
YIQ	58.0600, -51.8140, 24.9380

# Conversions

## Conversions Part 2

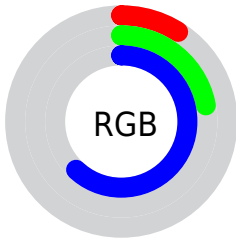
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 50, 158
Decimal	1587358
CIE <sub>Lab</sub>	28.09, 28.73, -58.31
CIE <sub>LCh</sub>	28, 65.004, 296.233
Yxy	5.4912, 0.1715, 0.1182
Android (android.graphics.Color)	4279777438 (0xFF18389E)
YUV	58.0600, 49.2704, -29.8706
Hunter-Lab	23.4332, 19.6447, -67.0619

# Details

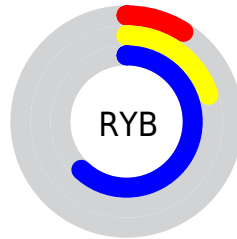
The Hex color **18389E** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **9E7E18**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **5F67D6**, and **001069** is the 20% darker color. If you saturate the color by 10%, you get **082C9E**, and if you desaturate by 10%, it is **28449E**.

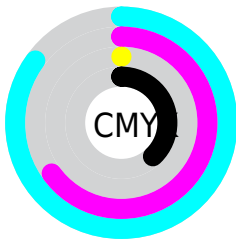
# Distribution



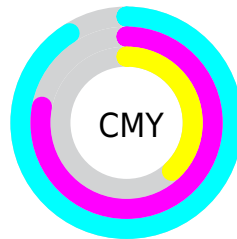
- Red (9%)
- Green (22%)
- Blue (62%)



- Red (9%)
- Yellow (20%)
- Blue (62%)



- Cyan (85%)
- Magenta (65%)
- Yellow (0%)
- Black (38%)



- Cyan (91%)
- Magenta (78%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 18389E 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 18389E by changing the saturation by 10% instead.



■ 18389E

■ 18389E

FFFFFF

■ 002383

■ 5F67D6

■ 001069

■ 7C80F2

■ 000051

■ 999AFF

■ 000538

■ B6B4FF

■ 000222

■ D4D0FF

■ 000008

■ F2ECFF

■ 000000

■ 18389E

■ 18389E

■ 082C9E

■ 28449E

00269E

38509E

475C9E

57689E

67749E

77809E

878C9E

96989E

A6A49E

# Harmonies

## Analogous

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



004CA8



18389E



750C7B

# Triad

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



18389E



7C2400



00553A

# Complementary

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



18389E



9E7E18

# 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.



005200



18389E



573F00

# Square

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



18389E



92001A



264C00



00566E

# Rectangle

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



18389E



8C005C



264C00



005428



# Sweetspot

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



18389E



9BA7CF



189E7D



495169



E8E8E8



696969



# Same Dimension

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



18389E



0031CF



3A189E



47494F



00228F



00040F



# Inverse Universe

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



9E1838



CF0031



7D9E18



4F4749



8F0022



0F0004



# Previews

## White Background



This preview shows how the Hex color 18389E looks on a white background.

## Color Contrast Check

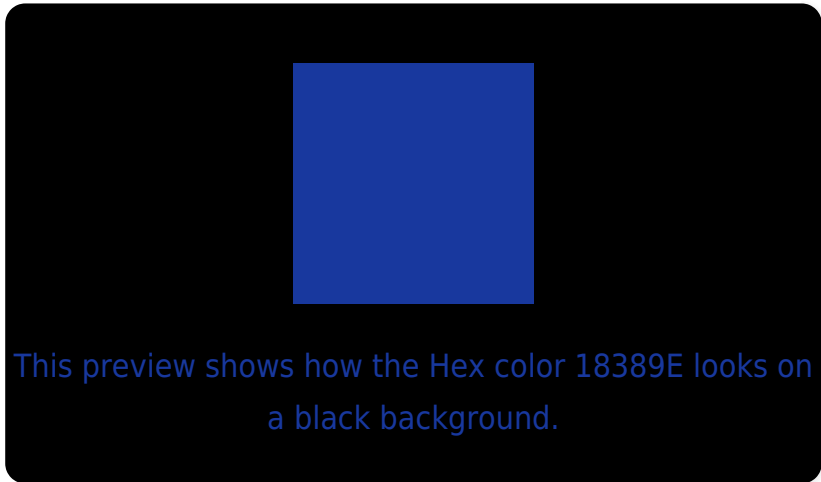
Large Text (above 18pt) WCAG AA ✓ Pass

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

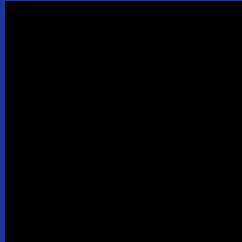
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 18389E Background



This preview shows how black text looks on a background with the Hex color 18389E.



This preview shows how white text looks on a background with the Hex color 18389E.

# 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**  
18389E

**Protanopia**  
004087

**Deuteranopia**  
004474



**Tritanopia**  
004A4E

# Trichromacy



**Original Color**  
18389E

**Protanomaly**  
093D8F

**Deuteranomaly**  
094083

**Tritanomaly**  
09436B

# Monochromacy



**Original Color**  
18389E

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
2E395E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 18389E 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 #18389E looks like.

```
.text, #text, p{  
    color:#18389E  
}
```

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 #18389E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #18389E
}
```

## Border

The CSS property to change the border of an element to Hex 18389E 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
#18389E }
```

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

```
.border{ border-color:#18389E }
```

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

Here you see how a box with a 4 pixel #18389E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #18389E; -webkit-box-shadow:4px 4px  
4px 4px #18389E; box-shadow:4px 4px 4px  
4px #18389E }
```

# Background

The CSS property to change the background color of an element to Hex 18389E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#18389E }
```

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

```
.background{ background-color:#18389E }
```

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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