

# Converting Colors

Hex(16489E)

Have a look what the booklet for  
Hex(16489E) contains.

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# Color

**Hex(16489E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	16489E
RGB	22, 72, 158
RGB Percent	9%, 28%, 62%
CMY	0.9137, 0.7176, 0.3804
CMYK	0.86, 0.54, 0.00, 0.38
HSL	218°, 76%, 35%
HSV	218°, 86%, 62%
XYZ	8.8198, 7.2739, 33.2869
YIQ	66.8540, -57.4060, 16.1460

# Conversions

## Conversions Part 2

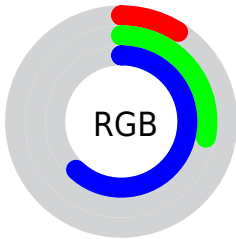
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	22, 59, 158
Decimal	1460382
CIE Lab	32.42, 17.65, -51.24
CIE LCh	32, 54.198, 289.003
Yxy	7.2739, 0.1786, 0.1473
Android (android.graphics.Color)	4279650462 (0xFF16489E)
YUV	66.8540, 44.9350, -39.3370
Hunter-Lab	26.9702, 11.1752, -54.2972

# Details

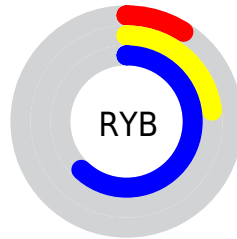
The Hex color **16489E** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **9E6C16**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **5C78D5**, and **001E6A** is the 20% darker color. If you saturate the color by 10%, you get **063E9E**, and if you desaturate by 10%, it is **26529E**.

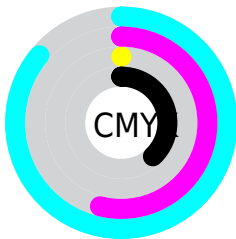
# Distribution



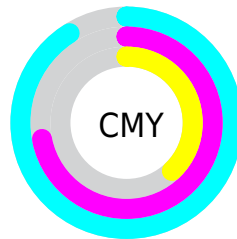
- Red (9%)
- Green (28%)
- Blue (62%)



- Red (9%)
- Yellow (23%)
- Blue (62%)



- Cyan (86%)
- Magenta (54%)
- Yellow (0%)
- Black (38%)



- Cyan (91%)
- Magenta (72%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 16489E 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 16489E by changing the saturation by 10% instead.



■ 16489E

■ 16489E

FFFFFF

■ 003283

■ 5C78D5

■ 001E6A

■ 7A91F2

■ 000551

■ 97ACFF

■ 000539

■ B4C7FF

■ 000223

■ D1E3FF

■ 000009

■ EFFFFFF

■ 000000

■ 16489E

■ 16489E

■ 063E9E

■ 26529E

003A9E

365C9E

45669E

55709E

657A9E

75849E

858E9E

94989E

A4A29E

# Harmonies

## Analogous

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



0056A1



16489E



6E3285

# Triad

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



16489E



873008



005E3B

# Complementary

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



16489E



9E6C16

# 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.



005A0A



16489E



6B4500

# Square

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



16489E



951733



445200



005F67

# Rectangle

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



16489E



87206C



445200



005D2B



# Sweetspot

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



16489E



99ADCF



169E6A



485469



E8E8E8



696969



# Same Dimension

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



16489E



004CCF



26169E



474A4F



00358F



00060F



# Inverse Universe

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



9E1648



CF004C



8E9E16



4F474A



8F0034



0F0006



# Previews

## White Background



This preview shows how the Hex color 16489E looks on a white background.

## Color Contrast Check

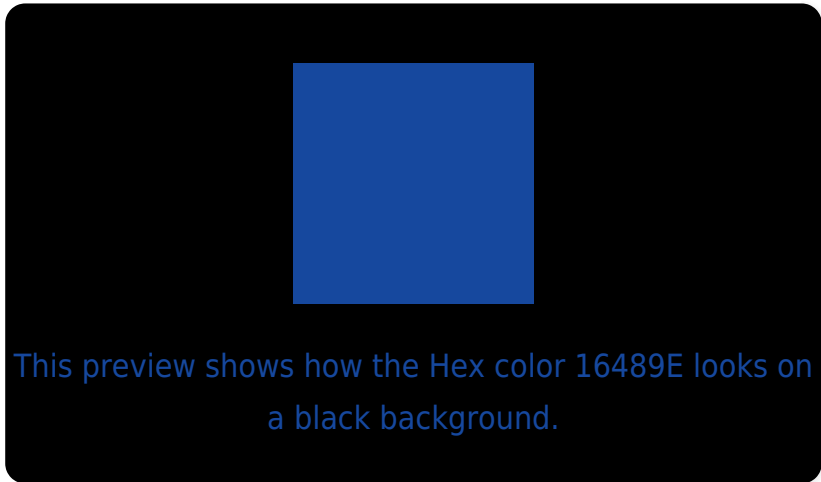
Large Text (above 18pt) WCAG AA ✓ Pass

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

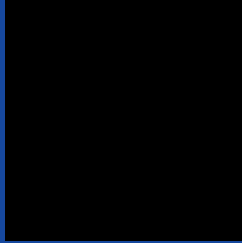
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 16489E Background



This preview shows how black text looks on a background with the Hex color 16489E.



This preview shows how white text looks on a background with the Hex color 16489E.

# 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**  
16489E

**Protanopia**  
00499C

**Deuteranopia**  
004E86



**Tritanopia**  
00555A

# Trichromacy



**Original Color**  
16489E

**Protanomaly**  
08499D

**Deuteranomaly**  
084C8F

**Tritanomaly**  
085073

# Monochromacy



**Original Color**  
16489E

**Achromatopsia**  
434343

**Achromatomaly**  
334564

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 16489E 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 #16489E looks like.

```
.text, #text, p{  
    color:#16489E  
}
```

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 #16489E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #16489E
}
```

## Border

The CSS property to change the border of an element to Hex 16489E 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
#16489E }
```

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

```
.border{ border-color:#16489E }
```

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

Here you see how a box with a 4 pixel #16489E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #16489E; -webkit-box-shadow:4px 4px  
4px 4px #16489E; box-shadow:4px 4px 4px  
4px #16489E }
```

# Background

The CSS property to change the background color of an element to Hex 16489E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#16489E }
```

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

```
.background{ background-color:#16489E }
```

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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