

# Converting Colors

Hex(23409E)

Have a look what the booklet for  
Hex(23409E) contains.

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# Color

Hex(23409E)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	23409E
RGB	35, 64, 158
RGB Percent	14%, 25%, 62%
CMY	0.8627, 0.7490, 0.3804
CMYK	0.78, 0.59, 0.00, 0.38
HSL	226°, 64%, 38%
HSV	226°, 78%, 62%
XYZ	8.6981, 6.4927, 33.1425
YIQ	66.0450, -47.4580, 23.0860

# Conversions

## Conversions Part 2

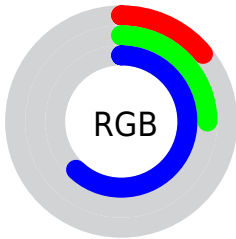
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 58, 158
Decimal	2310302
CIE <sub>Lab</sub>	30.62, 24.36, -54.15
CIE <sub>LCh</sub>	31, 59.378, 294.219
Yxy	6.4927, 0.1800, 0.1343
Android (android.graphics.Color)	4280500382 (0xFF23409E)
YUV	66.0450, 45.3338, -27.2265
Hunter-Lab	25.4809, 16.3409, -59.2810

# Details

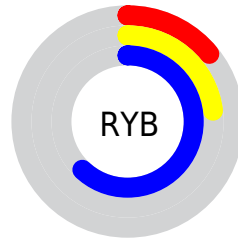
The Hex color **23409E** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **9E8123**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **636FD5**, and **00176A** is the 20% darker color. If you saturate the color by 10%, you get **13349E**, and if you desaturate by 10%, it is **334C9E**.

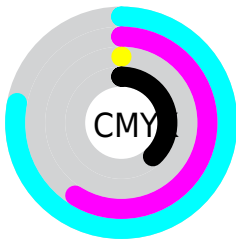
# Distribution



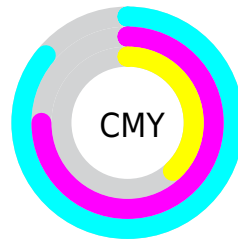
- Red (14%)
- Green (25%)
- Blue (62%)



- Red (14%)
- Yellow (23%)
- Blue (62%)



- Cyan (78%)
- Magenta (59%)
- Yellow (0%)
- Black (38%)



- Cyan (86%)
- Magenta (75%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 23409E 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 23409E by changing the saturation by 10% instead.



■ 23409E

■ 23409E

FFFFFF

■ 002A83

■ 636FD5

■ 00176A

■ 8089F2

■ 000051

■ 9DA3FF

■ 000539

■ BABEFF

■ 000222

■ D8DAFF

■ 000009

■ F5F6FF

■ 000000

■ 23409E

■ 23409E

■ 13349E

■ 334C9E

03289E

43589E

00259E

52649E

62709E

727C9E

82889E

92959E

A1A19E

B1AD9E

# Harmonies

## Analogous

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



0051A6



23409E



75237F

# Triad

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



23409E



812C00



005A3D

# Complementary

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



23409E



9E8123

# 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.



005706



23409E



614300

# Square

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



23409E



940226



355000



005B6D

# Rectangle

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



23409E



8C0162



355000



005A2D



# Sweetspot

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



23409E



9FAACF



239E7F



4B5269



E8E8E8



696969



# Same Dimension

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



23409E



0E3CCF



42239E



47494F



00228F



00040F



# Inverse Universe

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



9E2340



CF0E3C



7F9E23



4F4749



8F0022



0F0004



# Previews

## White Background



This preview shows how the Hex color 23409E looks on a white background.

## Color Contrast Check

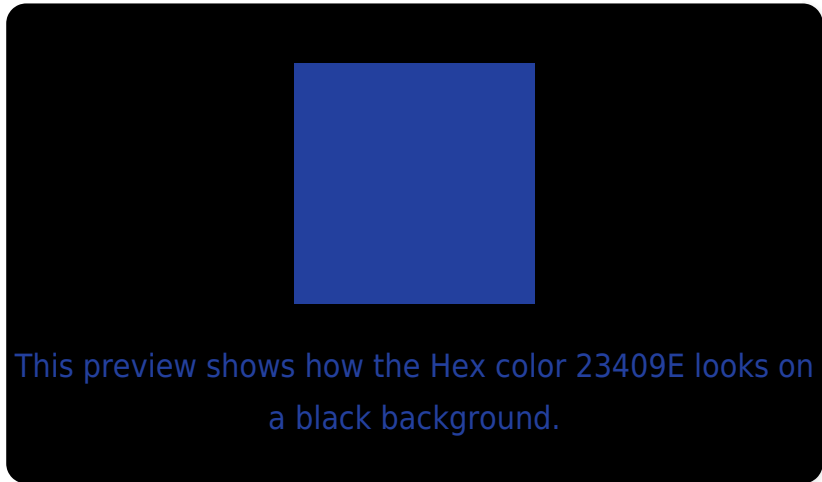
Large Text (above 18pt) WCAG AA ✓ Pass

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

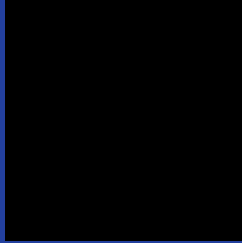
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 23409E Background



This preview shows how black text looks on a background with the Hex color 23409E.



This preview shows how white text looks on a background with the Hex color 23409E.

# 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**  
23409E

**Protanopia**  
004593

**Deuteranopia**  
004A7E



# Trichromacy



**Original Color**  
23409E

**Protanomaly**  
0D4397

**Deuteranomaly**  
0D468A

**Tritanomaly**  
0D4A70

# Monochromacy



**Original Color**  
23409E

**Achromatopsia**  
424242

**Achromatomaly**  
374163

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 23409E 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 #23409E looks like.

```
.text, #text, p{  
    color:#23409E  
}
```

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 #23409E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23409E
}
```

## Border

The CSS property to change the border of an element to Hex 23409E is called "border". The border property can be set on classes, ids or directly on the HTML element.

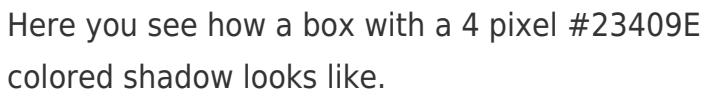
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#23409E }
```

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

```
.border{ border-color:#23409E }
```

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



Here you see how a box with a 4 pixel #23409E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23409E; -webkit-box-shadow:4px 4px  
4px 4px #23409E; box-shadow:4px 4px 4px  
4px #23409E }
```

# Background

The CSS property to change the background color of an element to Hex 23409E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23409E }
```

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

```
.background{ background-color:#23409E }
```

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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