

Converting Colors

Hex(23199A)

Have a look what the booklet for
Hex(23199A) contains.

Hex(23199A)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(23199A)

Conversions

Conversions Part 1

Format	Color
Hex	23199A
RGB	35, 25, 154
RGB Percent	14%, 10%, 60%
CMY	0.8627, 0.9020, 0.3961
CMYK	0.77, 0.84, 0.00, 0.40
HSL	245°, 72%, 35%
HSV	245°, 84%, 60%
XYZ	6.8735, 3.3857, 30.8631
YIQ	42.6960, -35.4490, 42.2390

Conversions

Conversions Part 2

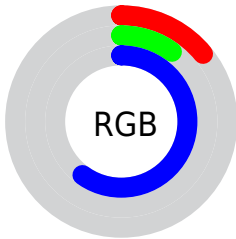
Format	Color
R _Y B	35, 25, 154
Decimal	2300314
CIE Lab	21.53, 46.56, -66.68
CIE LCh	22, 81.324, 304.926
Yxy	3.3857, 0.1671, 0.0823
Android (android.graphics.Color)	4280490394 (0xFF23199A)
YUV	42.6960, 54.8729, -6.7494
Hunter-Lab	18.4002, 34.4793, -86.5682

Details

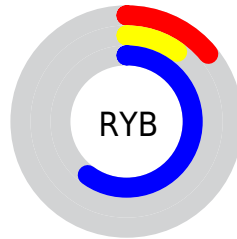
The Hex color **23199A** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **909A19**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **6649D2**, and **000065** is the 20% darker color. If you saturate the color by 10%, you get **150A9A**, and if you desaturate by 10%, it is **31289A**.

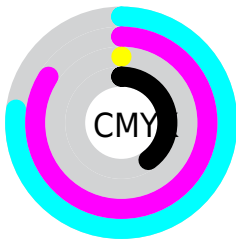
Distribution



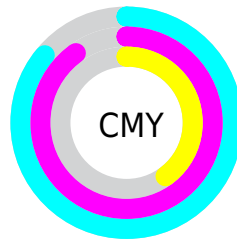
- Red (14%)
- Green (10%)
- Blue (60%)



- Red (14%)
- Yellow (10%)
- Blue (60%)



- Cyan (77%)
- Magenta (84%)
- Yellow (0%)
- Black (40%)



- Cyan (86%)
- Magenta (90%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Hex color 23199A 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 23199A by changing the saturation by 10% instead.

■ 23199A

■ 23199A

FFFFFF

■ 00017F

■ 6649D2

■ 000065

■ 8362EF

■ 00024C

■ A17BFF

■ 000535

■ BE96FF

■ 00021E

■ DCB1FF

■ 000001

■ FACCFE

■ 000000

■ FFE9FF

■ 23199A

■ 23199A

■ 150A9A

■ 31289A

■ 0C009A

■ 3F389A

■ 4E479A

■ 5C579A

■ 6A669A

■ 78759A

■ 86859A

■ 95949A

■ A3A49A

Harmonies

Analogous

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



003CB1



23199A



7C0068

Triad

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



23199A



661600



00473D

Complementary

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



23199A



909A19

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.



004500



23199A



383500

Square

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



23199A



870000



004100



004879

Rectangle

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



23199A



8F0041



004100



004627

Sweetspot

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



23199A



9B97C9



19919A



4A4766



E6E6E6



666666

Same Dimension

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



23199A



1000C9



62199A



45454D



0B008C



01000D

Inverse Universe

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



9A1990



C900BA



519A19



4D454C



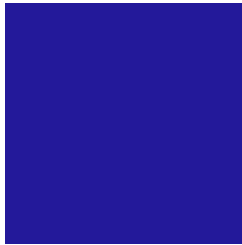
8C0081



0D000C

Previews

White Background



This preview shows how the Hex color 23199A looks on a white background.

Color Contrast Check

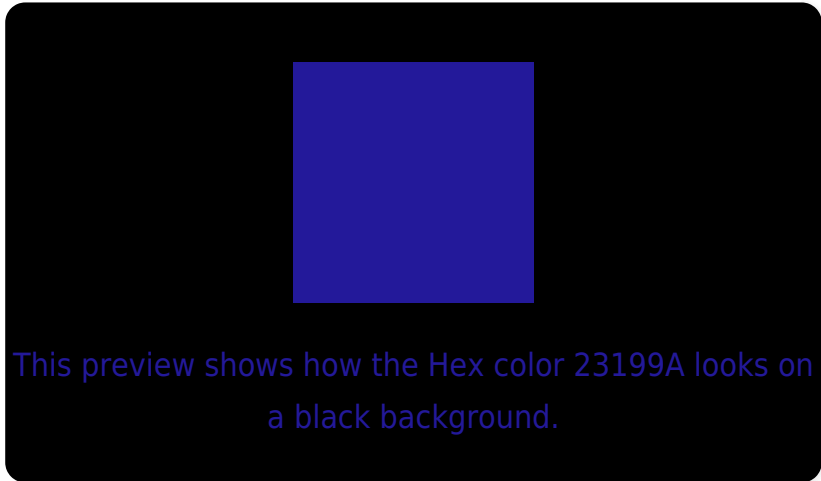
Large Text (above 18pt) WCAG AA ✓ Pass

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

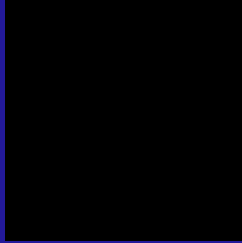
Any Text WCAG AA × Fail

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 23199A Background



This preview shows how black text looks on a background with the Hex color 23199A.



This preview shows how white text looks on a background with the Hex color 23199A.

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
23199A

Protanopia
00336A

Deuteranopia
00365A



Tritanopia
003A3D

Trichromacy



Original Color
23199A

Protanomaly
0D2A7B

Deuteranomaly
0D2B71

Tritanomaly
0D2E5F

Monochromacy



Original Color
23199A

Achromatopsia
2B2B2B

Achromatomaly
282453

CSS Examples

Text

The CSS property to change the color of the text to Hex 23199A 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 #23199A looks like.

```
.text, #text, p{  
    color:#23199A  
}
```

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 #23199A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23199A
}
```

Border

The CSS property to change the border of an element to Hex 23199A 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".

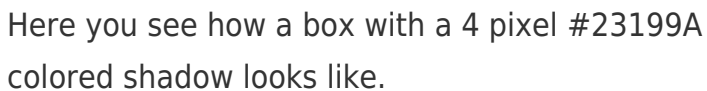
```
.border, #border, table{ border:4px solid
#23199A }
```

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

```
.border{ border-color:#23199A }
```

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

Here you see how a box with a 4 pixel #23199A 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 #23199A; -webkit-box-shadow:4px 4px  
4px 4px #23199A; box-shadow:4px 4px 4px  
4px #23199A }
```

Background

The CSS property to change the background color of an element to Hex 23199A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23199A }
```

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

```
.background{ background-color:#23199A }
```

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