

Converting Colors

Hex(22319C)

Have a look what the booklet for
Hex(22319C) contains.

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Color

Hex(22319C)

Conversions

Conversions Part 1

Format	Color
Hex	22319C
RGB	34, 49, 156
RGB Percent	13%, 19%, 61%
CMY	0.8667, 0.8078, 0.3882
CMYK	0.78, 0.69, 0.00, 0.39
HSL	233°, 64%, 37%
HSV	233°, 78%, 61%
XYZ	7.7588, 4.9370, 31.9965
YIQ	56.7130, -43.2870, 30.0970

Conversions

Conversions Part 2

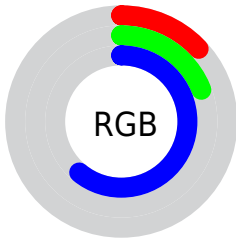
Format	Color
R_{YB}	34, 47, 156
Decimal	2240924
CIE _{Lab}	26.55, 33.47, -59.60
CIE _{LCh}	27, 68.354, 299.321
Yxy	4.9370, 0.1736, 0.1105
Android (android.graphics.Color)	4280431004 (0xFF22319C)
YUV	56.7130, 48.9485, -19.9193
Hunter-Lab	22.2194, 23.4462, -69.8256

Details

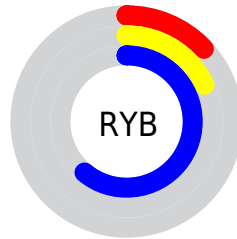
The Hex color **22319C** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **9C8D22**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **645FD4**, and **000867** is the 20% darker color. If you saturate the color by 10%, you get **12239C**, and if you desaturate by 10%, it is **323F9C**.

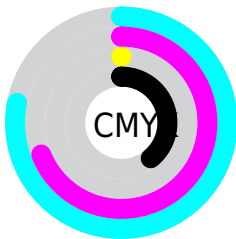
Distribution



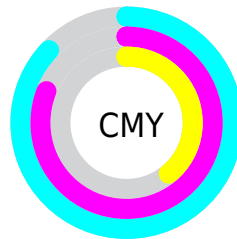
- Red (13%)
- Green (19%)
- Blue (61%)



- Red (13%)
- Yellow (18%)
- Blue (61%)



- Cyan (78%)
- Magenta (69%)
- Yellow (0%)
- Black (39%)



- Cyan (87%)
- Magenta (81%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Hex color 22319C 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 22319C by changing the saturation by 10% instead.

■ 22319C

■ 22319C

FFFFFF

■ 001C81

■ 645FD4

■ 000867

■ 8178F0

■ 00004F

■ 9E92FF

■ 000537

■ BBADFF

■ 000220

■ D9C8FF

■ 000005

■ F6E4FF

■ 000000

■ 22319C

■ 22319C

■ 12239C

■ 323F9C

■ 03169C

■ 414C9C

■ 00139C

■ 515A9C

■ 60689C

■ 70759C

■ 80839C

■ 8F919C

■ 9F9E9C

■ AEAC9C

Harmonies

Analogous

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



0047AA



22319C



780075

Triad

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



22319C



762200



00523C

Complementary

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



22319C



9C8D22

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.



004F00



22319C



4F3D00

Square

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



22319C



8F0010



144A00



005371

Rectangle

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



22319C



8E0054



144A00



00512A

Sweetspot

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



22319C



9DA3CC



229C8C



494D66



E6E6E6



666666

Same Dimension

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



22319C



0C24CC



4F229C



47484F



00128F



00020F

Inverse Universe

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



9C2231



CC0C24



6F9C22



4F4748



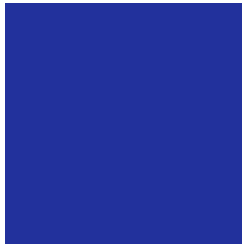
8F0012



0F0002

Previews

White Background



This preview shows how the Hex color 22319C looks on a white background.

Color Contrast Check

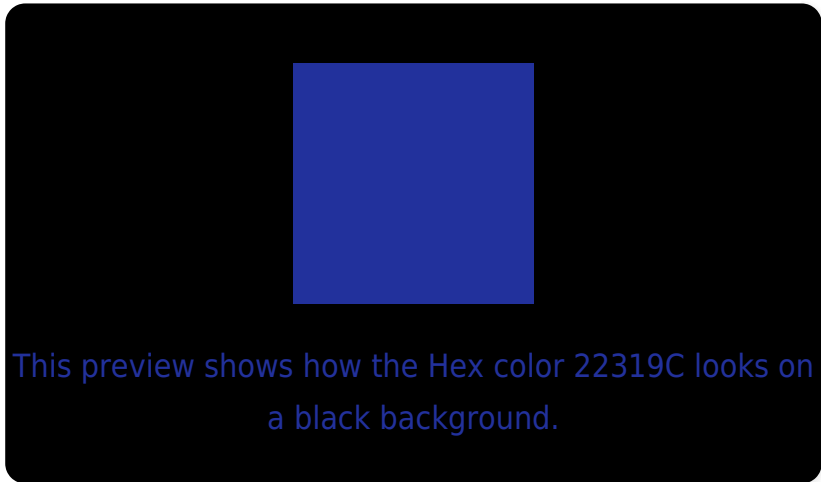
Large Text (above 18pt) WCAG AA ✓ Pass

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

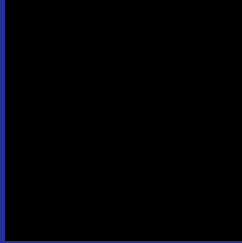
Any Text WCAG AA × Fail

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 22319C Background



This preview shows how black text looks on a background with the Hex color 22319C.




This preview shows how white text looks on a background with the Hex color 22319C.

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





Tritanopia
00464A

Trichromacy



Original Color
22319C

Protanomaly
0C398A

Deuteranomaly
0C3B7E

Tritanomaly
0C3E68

Monochromacy



Original Color
22319C

Achromatopsia
393939

Achromatomaly
31365D

CSS Examples

Text

The CSS property to change the color of the text to Hex 22319C 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 #22319C looks like.

```
.text, #text, p{  
    color:#22319C  
}
```

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 #22319C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22319C
}
```

Border

The CSS property to change the border of an element to Hex 22319C 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".

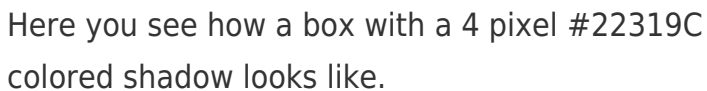
```
.border, #border, table{ border:4px solid
#22319C }
```

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

```
.border{ border-color:#22319C }
```

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

Here you see how a box with a 4 pixel #22319C colored shadow looks like.

A rectangular box with a 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 #22319C; -webkit-box-shadow:4px 4px  
4px 4px #22319C; box-shadow:4px 4px 4px  
4px #22319C }
```

Background

The CSS property to change the background color of an element to Hex 22319C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22319C }
```

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

```
.background{ background-color:#22319C }
```

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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