

Converting Colors

Hex(24339D)

Have a look what the booklet for
Hex(24339D) contains.

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Color

Hex(24339D)

Conversions

Conversions Part 1

Format	Color
Hex	24339D
RGB	36, 51, 157
RGB Percent	14%, 20%, 62%
CMY	0.8588, 0.8000, 0.3843
CMYK	0.77, 0.68, 0.00, 0.38
HSL	233°, 63%, 38%
HSV	233°, 77%, 62%
XYZ	7.9972, 5.1770, 32.4761
YIQ	58.5990, -42.9660, 29.7860

Conversions

Conversions Part 2

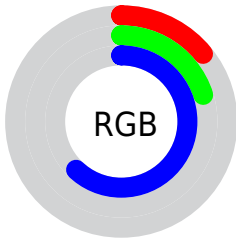
Format	Color
R_{YB}	36, 49, 157
Decimal	2372509
CIE _{Lab}	27.23, 32.75, -59.09
CIE _{LCh}	27, 67.555, 298.995
Yxy	5.1770, 0.1752, 0.1134
Android (android.graphics.Color)	4280562589 (0xFF24339D)
YUV	58.5990, 48.5117, -19.8193
Hunter-Lab	22.7531, 22.9206, -68.6988

Details

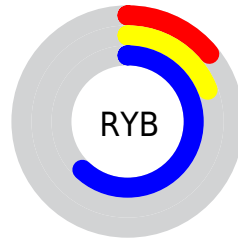
The Hex color **24339D** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **9D8E24**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **6562D5**, and **000B68** is the 20% darker color. If you saturate the color by 10%, you get **14259D**, and if you desaturate by 10%, it is **34419D**.

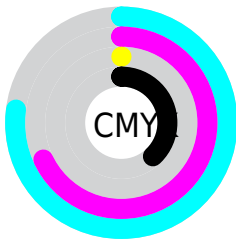
Distribution



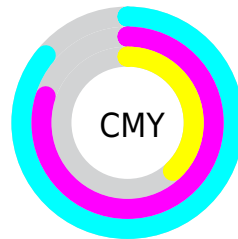
- Red (14%)
- Green (20%)
- Blue (62%)



- Red (14%)
- Yellow (19%)
- Blue (62%)



- Cyan (77%)
- Magenta (68%)
- Yellow (0%)
- Black (38%)



- Cyan (86%)
- Magenta (80%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Hex color 24339D 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 24339D by changing the saturation by 10% instead.

■ 24339D

■ 24339D

FFFFFF

■ 001E82

■ 6562D5

■ 000B68

■ 827BF1

■ 000050

■ 9F94FF

■ 000538

■ BCAFFF

■ 000221

■ DACBFF

■ 000006

■ F8E7FF

■ 000000

■ 24339D

■ 24339D

■ 14259D

■ 34419D

■ 05179D

■ 434F9D

■ 00139D

■ 535C9D

■ 636A9D

■ 73789D

■ 82869D

■ 92939D

■ A2A19D

■ B1AF9D

Harmonies

Analogous

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



0049AB



24339D



790077

Triad

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



24339D



782400



00533D

Complementary

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



24339D



9D8E24

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.



005100



24339D



513E00

Square

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



24339D



900012



194B00



005472

Rectangle

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



24339D



8E0056



194B00



00532B

Sweetspot

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



24339D



9DA3CC



249D8D



494D66



E6E6E6



666666

Same Dimension

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



24339D



1028CC



50249D



47484F



00128F



00020F

Inverse Universe

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



9D2433



CC1028



719D24



4F4748



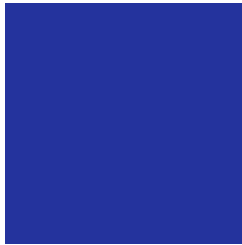
8F0012



0F0002

Previews

White Background



This preview shows how the Hex color 24339D looks on a white background.

Color Contrast Check

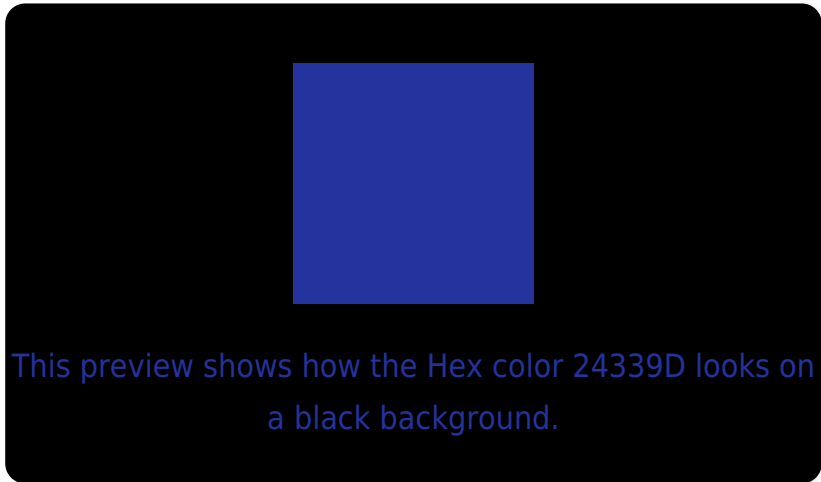
Large Text (above 18pt) WCAG AA ✓ Pass

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

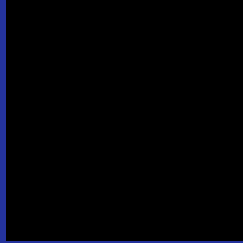
Any Text WCAG AA × Fail

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 24339D Background



This preview shows how black text looks on a background with the Hex color 24339D.



This preview shows how white text looks on a background with the Hex color 24339D.

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
24339D

Protanopia
003E83

Deuteranopia
004270



Tritanopia
00474C

Trichromacy



Original Color
24339D

Protanomaly
0D3A8C

Deuteranomaly
0D3D80

Tritanomaly
0D4069

Monochromacy



Original Color
24339D

Achromatopsia
3B3B3B

Achromatomaly
33385F

CSS Examples

Text

The CSS property to change the color of the text to Hex 24339D 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 #24339D looks like.

```
.text, #text, p{  
    color:#24339D  
}
```

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 #24339D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #24339D
}
```

Border

The CSS property to change the border of an element to Hex 24339D 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".

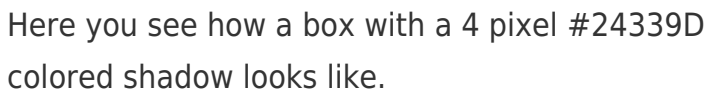
```
.border, #border, table{ border:4px solid
#24339D }
```

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

```
.border{ border-color:#24339D }
```

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

Here you see how a box with a 4 pixel #24339D 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 #24339D; -webkit-box-shadow:4px 4px  
4px 4px #24339D; box-shadow:4px 4px 4px  
4px #24339D }
```

Background

The CSS property to change the background color of an element to Hex 24339D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#24339D }
```

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

```
.background{ background-color:#24339D }
```

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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