

Converting Colors

Hex(102399)

Have a look what the booklet for
Hex(102399) contains.

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Color

Hex(102399)

Conversions

Conversions Part 1

Format	Color
Hex	102399
RGB	16, 35, 153
RGB Percent	6%, 14%, 60%
CMY	0.9373, 0.8627, 0.4000
CMYK	0.90, 0.77, 0.00, 0.40
HSL	232°, 81%, 33%
HSV	232°, 90%, 60%
XYZ	6.5645, 3.6121, 30.4882
YIQ	42.7710, -49.2020, 32.6700

Conversions

Conversions Part 2

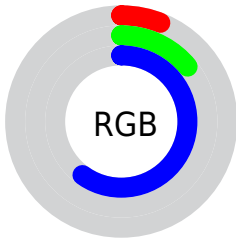
Format	Color
R_{YB}	16, 33, 153
Decimal	1057689
CIE _{Lab}	22.35, 39.86, -64.73
CIE _{LCh}	22, 76.021, 301.625
Yxy	3.6121, 0.1614, 0.0888
Android (android.graphics.Color)	4279247769 (0xFF102399)
YUV	42.7710, 54.3429, -23.4782
Hunter-Lab	19.0056, 28.3936, -81.8073

Details

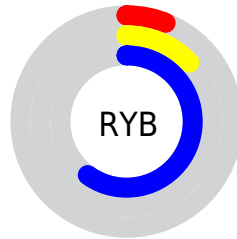
The Hex color **102399** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **998610**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **5C51D1**, and **000065** is the 20% darker color. If you saturate the color by 10%, you get **011699**, and if you desaturate by 10%, it is **1F3099**.

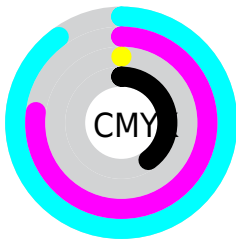
Distribution



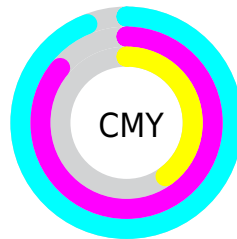
- Red (6%)
- Green (14%)
- Blue (60%)



- Red (6%)
- Yellow (13%)
- Blue (60%)



- Cyan (90%)
- Magenta (77%)
- Yellow (0%)
- Black (40%)



- Cyan (94%)
- Magenta (86%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Hex color 102399 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 102399 by changing the saturation by 10% instead.

■ 102399

■ 102399

FFFFFF

■ 000E7E

■ 5C51D1

■ 000065

■ 7A69ED

■ 00044C

■ 9783FF

■ 000434

■ B59DFF

■ 00021E

■ D3B8FF

■ 000000

■ F1D4FF

■ FFF1FF

■ 102399

■ 102399

■ 011699

■ 1F3099

■ 001599

■ 2F3D99

■ 3E4B99

■ 4D5899

■ 5C6599

■ 6C7299

■ 7B7F99

■ 8A8C99

■ 9A9A99

Harmonies

Analogous

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



003FAB



102399



76006D

Triad

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



102399



6B1500



004837

Complementary

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



102399



998610

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.



004600



102399



403500

Square

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



102399



880000



004100



004971

Rectangle

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



102399



8A0048



004100



004723

Sweetspot

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



102399



9199C7



109984



444863



E3E3E3



636363

Same Dimension

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



102399



001CC7



401099



45464D



00138C



00020D

Inverse Universe

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



991023



C7001C



699910



4D4546



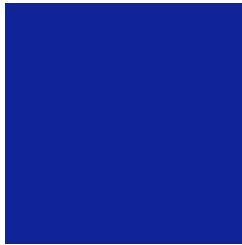
8C0013



0D0002

Previews

White Background



This preview shows how the Hex color 102399 looks on a white background.

Color Contrast Check

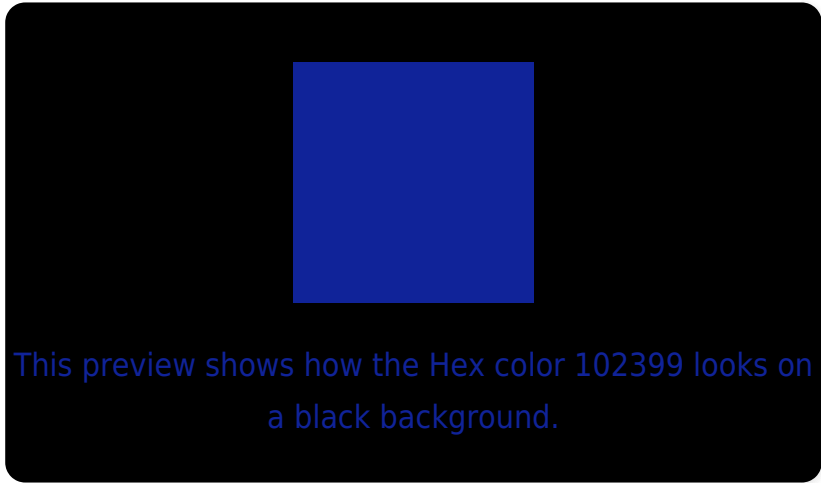
Large Text (above 18pt) WCAG AA ✓ Pass

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

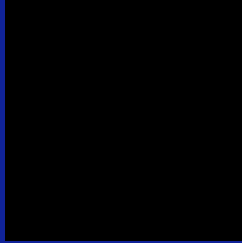
Any Text WCAG AA × Fail

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 102399 Background



This preview shows how black text looks on a background with the Hex color 102399.



This preview shows how white text looks on a background with the Hex color 102399.

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
102399

Protanopia
00346E

Deuteranopia
00385D



Tritanopia
003C3F

Trichromacy



Original Color
102399

Protanomaly
062E7E

Deuteranomaly
063073

Tritanomaly
063360

Monochromacy



Original Color
102399

Achromatopsia
2B2B2B

Achromatomaly
212853

CSS Examples

Text

The CSS property to change the color of the text to Hex 102399 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 #102399 looks like.

```
.text, #text, p{  
    color:#102399  
}
```

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 #102399 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #102399
}
```

Border

The CSS property to change the border of an element to Hex 102399 is called "border". The border property can be set on classes, ids or directly on the HTML element.

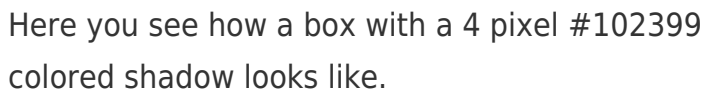
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#102399 }
```

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

```
.border{ border-color:#102399 }
```

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



Here you see how a box with a 4 pixel #102399 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #102399; -webkit-box-shadow:4px 4px  
4px 4px #102399; box-shadow:4px 4px 4px  
4px #102399 }
```

Background

The CSS property to change the background color of an element to Hex 102399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#102399 }
```

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

```
.background{ background-color:#102399 }
```

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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