

# Converting Colors

Hex(10109D)

Have a look what the booklet for  
Hex(10109D) contains.

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# Color

**Hex(10109D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	10109D
RGB	16, 16, 157
RGB Percent	6%, 6%, 62%
CMY	0.9373, 0.9373, 0.3843
CMYK	0.90, 0.90, 0.00, 0.38
HSL	240°, 82%, 34%
HSV	240°, 90%, 62%
XYZ	6.4848, 2.9151, 32.1192
YIQ	32.0740, -45.2610, 43.8510

# Conversions

## Conversions Part 2

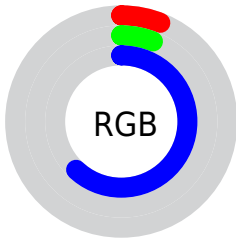
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 16, 157
Decimal	1052829
CIE <sub>Lab</sub>	19.70, 50.43, -71.58
CIE <sub>LCh</sub>	20, 87.563, 305.163
Yxy	2.9151, 0.1562, 0.0702
Android (android.graphics.Color)	4279242909 (0xFF10109D)
YUV	32.0740, 61.5885, -14.0969
Hunter-Lab	17.0736, 37.9181, -99.5862

# Details

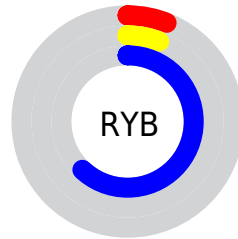
The Hex color **10109D** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **9D9D10**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **5F41D5**, and **000068** is the 20% darker color. If you saturate the color by 10%, you get **00009D**, and if you desaturate by 10%, it is **20209D**.

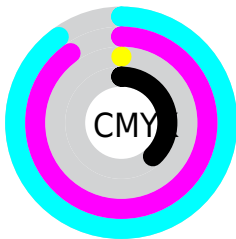
# Distribution



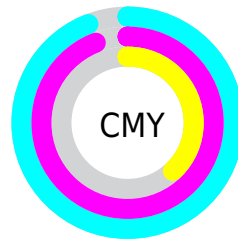
- Red (6%)
- Green (6%)
- Blue (62%)



- Red (6%)
- Yellow (6%)
- Blue (62%)



- Cyan (90%)
- Magenta (90%)
- Yellow (0%)
- Black (38%)



- Cyan (94%)
- Magenta (94%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 10109D 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 10109D by changing the saturation by 10% instead.



 10109D

 10109D

FFFEFF

 000082

 5F41D5

 000068

 7E5AF2

 00054F

 9B74FF

 000537

 B98EFF

 000221

 D7A9FF

 000005

 F6C5FF

 000000

 FFE1FF

 10109D

 10109D

00009D

20209D

2F2F9D

3F3F9D

4F4F9D

5F5F9D

6E6E9D

7E7E9D

8E8E9D

9D9D9D

# Harmonies

## Analogous

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



003AB6



10109D



7D0067

# Triad

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



10109D



630C00



00433A

# Complementary

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



10109D



9D9D10

# 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.



004100



10109D



323200

# Square

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



10109D



860000



003D00



00457A

# Rectangle

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



10109D



90003D



003D00



004323



# Sweetspot

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



10109D



9595CC



109D9D



454566



E6E6E6



666666



# Same Dimension

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



10109D



0000CC



57109D



47474F



00008F



00000F



# Inverse Universe

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



9D109D



CC00CC



579D10



4F474F



8F008F

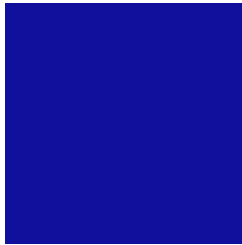


0F000F



# Previews

## White Background



This preview shows how the Hex color 10109D looks on a white background.

## Color Contrast Check

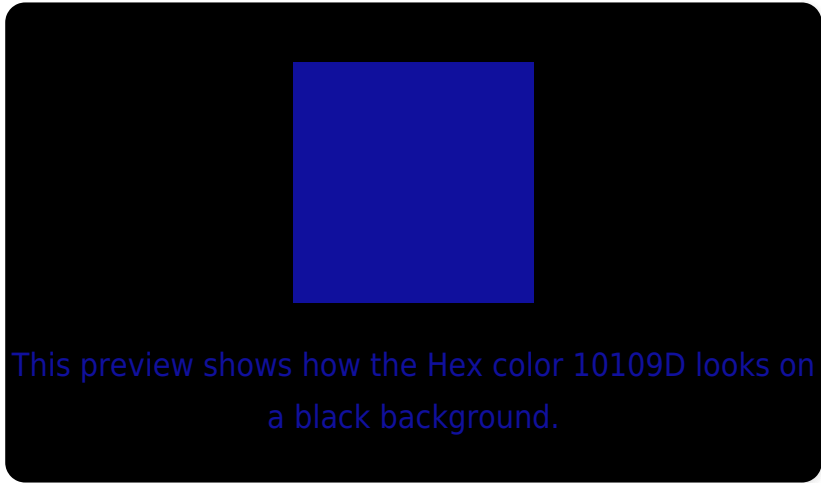
Large Text (above 18pt) WCAG AA ✓ Pass

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

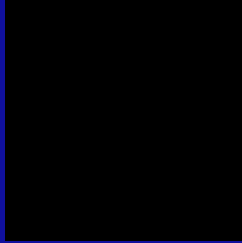
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 10109D Background



This preview shows how black text looks on a background with the Hex color 10109D.



This preview shows how white text looks on a background with the Hex color 10109D.

# 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**  
10109D

**Protanopia**  
003064

**Deuteranopia**  
003355



# Trichromacy



**Original Color**  
10109D

**Protanomaly**  
062479

**Deuteranomaly**  
06266F

**Tritanomaly**  
06295D

# Monochromacy



**Original Color**  
10109D

**Achromatopsia**  
202020

**Achromatomaly**  
1A1A4D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 10109D 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 #10109D looks like.

```
.text, #text, p{  
    color:#10109D  
}
```

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 #10109D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #10109D
}
```

## Border

The CSS property to change the border of an element to Hex 10109D is called "border". The border property can be set on classes, ids or directly on the HTML element.

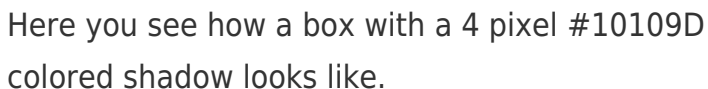
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#10109D }
```

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

```
.border{ border-color:#10109D }
```

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



Here you see how a box with a 4 pixel #10109D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #10109D; -webkit-box-shadow:4px 4px  
4px 4px #10109D; box-shadow:4px 4px 4px  
4px #10109D }
```

# Background

The CSS property to change the background color of an element to Hex 10109D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#10109D }
```

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

```
.background{ background-color:#10109D }
```

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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