

# Converting Colors

Hex(101871)

Have a look what the booklet for  
Hex(101871) contains.

<b>Hex(101871)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(101871)**

# Conversions

## Conversions Part 1

Format	Color
Hex	101871
RGB	16, 24, 113
RGB Percent	6%, 9%, 44%
CMY	0.9373, 0.9059, 0.5569
CMYK	0.86, 0.79, 0.00, 0.56
HSL	235°, 75%, 25%
HSV	235°, 86%, 44%
XYZ	3.5210, 1.9557, 15.8147
YIQ	31.7540, -33.3370, 25.9830

# Conversions

## Conversions Part 2

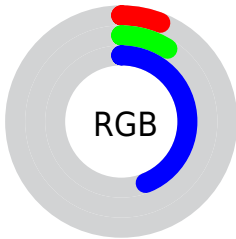
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 23, 113
Decimal	1054833
CIELab	15.25, 31.97, -51.25
CIELCh	15, 60.399, 301.955
Yxy	1.9557, 0.1654, 0.0919
Android (android.graphics.Color)	4279244913 (0xFF101871)
YUV	31.7540, 40.0543, -13.8163
Hunter-Lab	13.9846, 20.4687, -57.2599

# Details

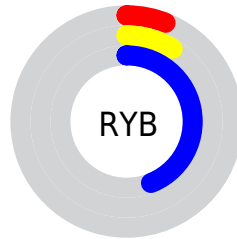
The Hex color **101871** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **716910**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **5044A6**, and **000040** is the 20% darker color. If you saturate the color by 10%, you get **050E71**, and if you desaturate by 10%, it is **1B2271**.

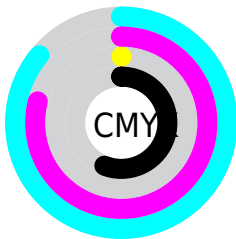
# Distribution



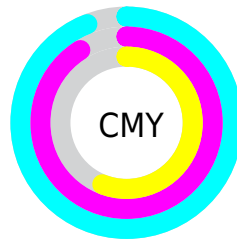
- Red (6%)
- Green (9%)
- Blue (44%)



- Red (6%)
- Yellow (9%)
- Blue (44%)



- Cyan (86%)
- Magenta (79%)
- Yellow (0%)
- Black (56%)



- Cyan (94%)
- Magenta (91%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 101871 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 101871 by changing the saturation by 10% instead.



■ 101871

■ 101871

■ FFFDFF

■ 000358

■ 5044A6

■ 000040

■ 6C5CC1

■ 000329

■ 8875DE

■ 000113

■ A48FFB

■ 000000

■ C1A9FF

■ DEC5FF

■ FBE1FF

■ 101871

■ 101871

■ 050E71

■ 1B2271

■ 000971

■ 272D71

■ 323771

■ 3D4171

■ 494C71

■ 545671

■ 5F6171

■ 6A6B71

■ 767571

# Harmonies

## Analogous

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



002D7F



101871



57004F

# Triad

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



101871



4E0F00



003628

# Complementary

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



101871



716910

# 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.



003400



101871



2E2600

# Square

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



101871



640000



002F00



003653

# Rectangle

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



101871



670034



002F00



003519



# Sweetspot

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



101871



6D7194



107169



33354A



C9C9C9



4A4A4A



# Same Dimension

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



101871



000C94



381071



323338



000A78



0014F7



# Inverse Universe

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



711018



94000C



497110



383233



78000A

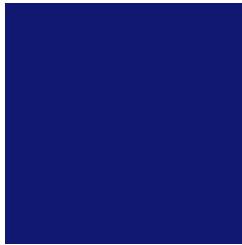


F70014



# Previews

## White Background



This preview shows how the Hex color 101871 looks on a white background.

## Color Contrast Check

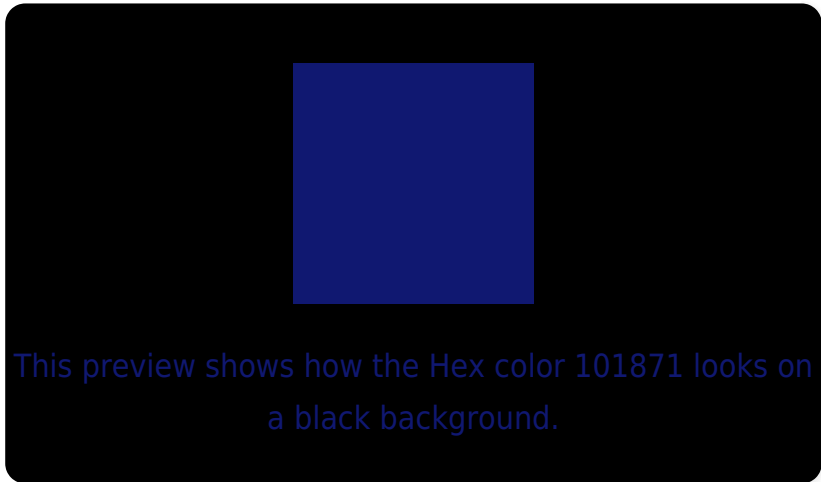
Large Text (above 18pt) WCAG AA ✓ Pass

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

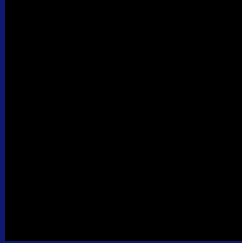
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 101871 Background



This preview shows how black text looks on a background with the Hex color 101871.



This preview shows how white text looks on a background with the Hex color 101871.

# 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**  
101871

**Protanopia**  
002650

**Deuteranopia**  
002944



# Trichromacy



**Original Color**  
101871

**Protanomaly**  
06215C

**Deuteranomaly**  
062354

**Tritanomaly**  
062546

# Monochromacy



**Original Color**  
101871

**Achromatopsia**  
202020

**Achromatomaly**  
1A1D3D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 101871 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 #101871 looks like.

```
.text, #text, p{  
    color:#101871  
}
```

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 #101871 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #101871
}
```

## Border

The CSS property to change the border of an element to Hex 101871 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
#101871 }
```

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

```
.border{ border-color:#101871 }
```

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

Here you see how a box with a 4 pixel #101871 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #101871; -webkit-box-shadow:4px 4px  
4px 4px #101871; box-shadow:4px 4px 4px  
4px #101871 }
```

# Background

The CSS property to change the background color of an element to Hex 101871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#101871 }
```

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

```
.background{ background-color:#101871 }
```

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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