

# Converting Colors

Hex(101272)

Have a look what the booklet for  
Hex(101272) contains.

<b>Hex(101272)</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(101272)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	101272
RGB	16, 18, 114
RGB Percent	6%, 7%, 45%
CMY	0.9373, 0.9294, 0.5529
CMYK	0.86, 0.84, 0.00, 0.55
HSL	239°, 75%, 25%
HSV	239°, 86%, 45%
XYZ	3.4673, 1.7577, 16.0761
YIQ	28.3460, -32.0080, 29.4320

# Conversions

## Conversions Part 2

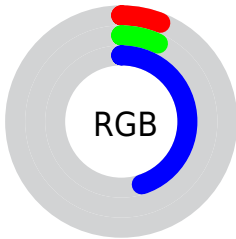
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 18, 114
Decimal	1053298
CIE <sub>Lab</sub>	14.16, 35.82, -53.71
CIE <sub>LCh</sub>	14, 64.558, 303.705
Yxy	1.7577, 0.1628, 0.0825
Android (android.graphics.Color)	4279243378 (0xFF101272)
YUV	28.3460, 42.2274, -10.8274
Hunter-Lab	13.2577, 23.4815, -62.6136

# Details

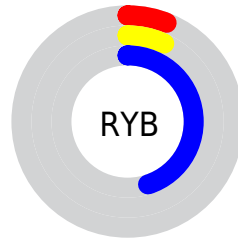
The Hex color **101272** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **727010**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **513FA7**, and **000041** is the 20% darker color. If you saturate the color by 10%, you get **050772**, and if you desaturate by 10%, it is **1B1D72**.

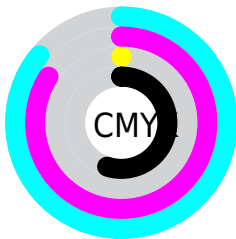
# Distribution



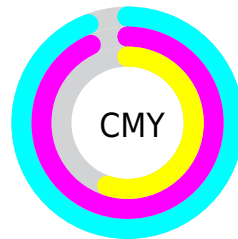
- Red (6%)
- Green (7%)
- Blue (45%)



- Red (6%)
- Yellow (7%)
- Blue (45%)



- Cyan (86%)
- Magenta (84%)
- Yellow (0%)
- Black (55%)



- Cyan (94%)
- Magenta (93%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 101272 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 101272 by changing the saturation by 10% instead.




 101272

 101272

 FFF7FF

 000059

 513FA7

 000041

 6D57C3

 000329

 896FDF

 000114

 A689FC

 000000

 C2A4FF

 DFBFFF

 FDDBFF

 101272

 101272

■ 050772

■ 1B1D72

■ 000272

■ 272872

■ 323472

■ 3E3F72

■ 494A72

■ 545572

■ 606072

■ 6B6B72

■ 777772

# Harmonies

## Analogous

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



002B82



101272



59004D

# Triad

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



101272



4B0C00



003429

# Complementary

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



101272



727010

# 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.



003200



101272



292500

# Square

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



101272



630000



002E00



003556

# Rectangle

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



101272



680030



002E00



003319



# Sweetspot

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



101272



6D6E94



10726F



33334A



C9C9C9



4A4A4A



# Same Dimension

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



101272



000394



3E1072



323338



000278



0005F7



# Inverse Universe

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



721012



940003



447210



383233



780002

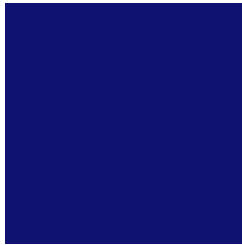


F70005



# Previews

## White Background



This preview shows how the Hex color 101272 looks on a white background.

## Color Contrast Check

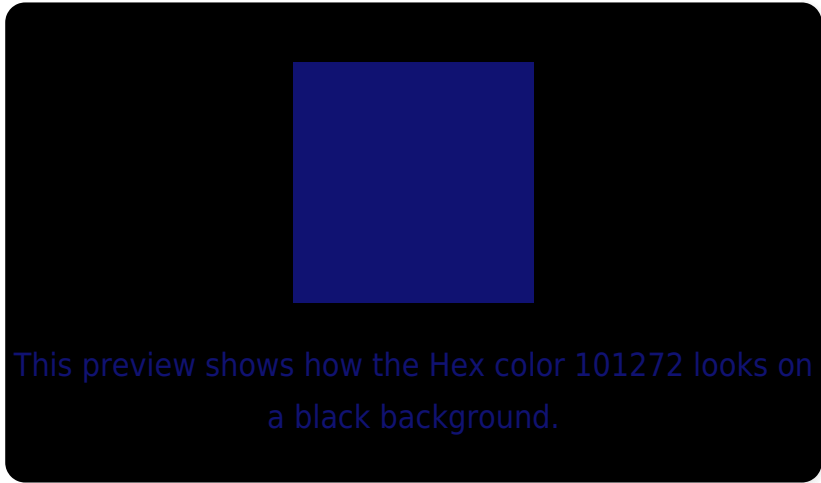
Large Text (above 18pt) WCAG AA ✓ Pass

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

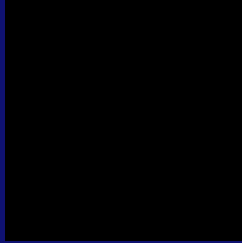
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 101272 Background



This preview shows how black text looks on a background with the Hex color 101272.



This preview shows how white text looks on a background with the Hex color 101272.

# 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**  
101272

**Protanopia**  
00244C

**Deuteranopia**  
002741



# Trichromacy



**Original Color**  
101272

**Protanomaly**  
061D5A

**Deuteranomaly**  
061F53

**Tritanomaly**  
062145

# Monochromacy



**Original Color**  
101272

**Achromatopsia**  
1C1C1C

**Achromatomaly**  
18183B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 101272 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 #101272 looks like.

```
.text, #text, p{  
    color:#101272  
}
```

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 #101272 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #101272
}
```

## Border

The CSS property to change the border of an element to Hex 101272 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".

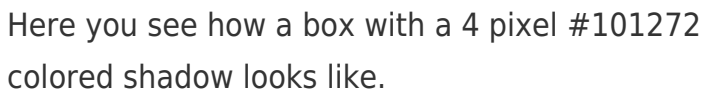
```
.border, #border, table{ border:4px solid
#101272 }
```

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

```
.border{ border-color:#101272 }
```

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

Here you see how a box with a 4 pixel #101272 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #101272; -webkit-box-shadow:4px 4px  
4px 4px #101272; box-shadow:4px 4px 4px  
4px #101272 }
```

# Background

The CSS property to change the background color of an element to Hex 101272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#101272 }
```

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

```
.background{ background-color:#101272 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor