

# Converting Colors

Hex(100302)

Have a look what the booklet for  
Hex(100302) contains.

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# Color

**Hex(100302)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	100302
RGB	16, 3, 2
RGB Percent	6%, 1%, 1%
CMY	0.9373, 0.9882, 0.9922
CMYK	0.00, 0.81, 0.88, 0.94
HSL	4°, 78%, 4%
HSV	4°, 88%, 6%
XYZ	0.2572, 0.1797, 0.0786
YIQ	6.7730, 8.0690, 2.4450

# Conversions

## Conversions Part 2

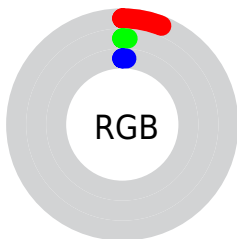
Format	Color
<a href="#">RYB</a>	16, 3, 2
Decimal	1049346
CIELab	1.62, 3.54, 1.67
CIELCh	2, 3.917, 25.310
Yxy	0.1797, 0.4990, 0.3486
Android (android.graphics.Color)	4279239426 (0xFF100302)
YUV	6.7730, -2.3531, 8.0921
Hunter-Lab	4.2387, 3.4137, 1.8683

# Details

The Hex color **100302** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **020F10**, and the grayscale version is **070707**.

A 20% lighter version of the original color is **3A3231**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **100200**, and if you desaturate by 10%, it is **100404**.

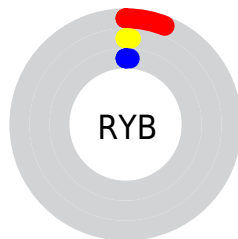
# Distribution



Red (6%)

Green (1%)

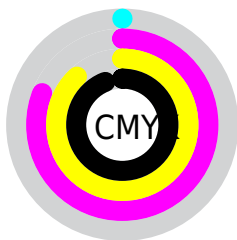
Blue (1%)



Red (6%)

Yellow (1%)

Blue (1%)

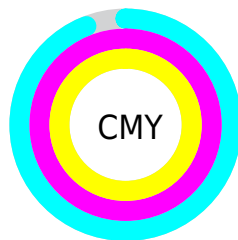


Cyan (0%)

Magenta (81%)

Yellow (88%)

Black (94%)



Cyan (94%)

Magenta (99%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 100302 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 100302 by changing the saturation by 10% instead.



■ 100302

■ 100302

■ EFE5E4

■ 000000

■ 3A3231

■ 514848

■ 696060

■ 837978

■ 9D9392

■ B7ADAD

■ D3C9C8

■ 100302

■ 100302

■ 100200

■ 100404

■ 100100

■ 100605

■ 100707

■ 100908

■ 100A0A

■ 100C0C

■ 100D0D

■ 100F0F

■ 101010

# Harmonies

## Analogous

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



0F0307



100302



0E0400

# Triad

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



100302



000800



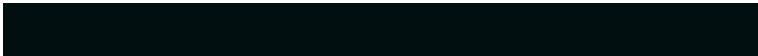
01070F

# Complementary

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



100302



020F10

# 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.



00080D



100302



000905

# Square

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



100302



050700



00090A



06050E

# Rectangle

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



100302



0C0500



00090A



00070F



# Sweetspot

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



100302



140F0F



10020F



0A0707



8A8A8A



0A0A0A



# Same Dimension

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



100302



140100



100A02



080707



470500

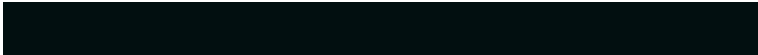


C70E00

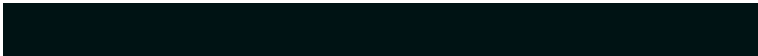


# Inverse Universe

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



020F10



001314



020810



070808



004247

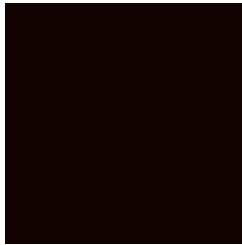


00B9C7



# Previews

## White Background



This preview shows how the Hex color 100302 looks on a white background.

## Color Contrast Check

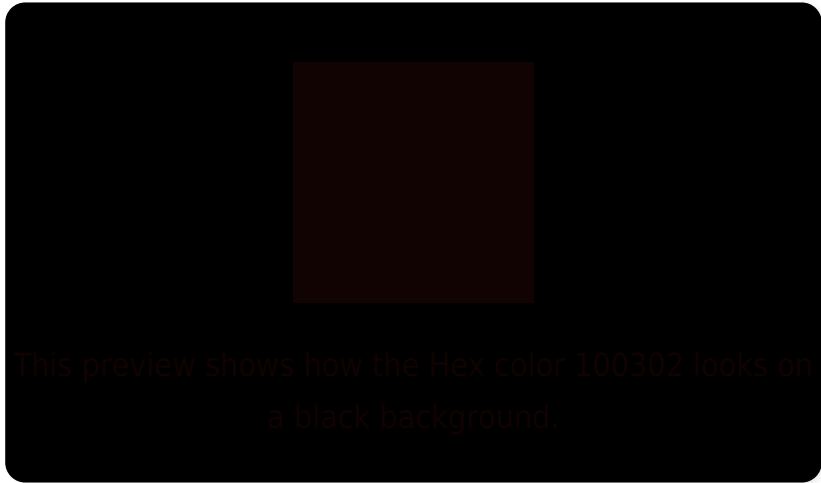
Large Text (above 18pt) WCAG AA ✓ Pass

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 100302 Background



This preview shows how black text looks on a background with the Hex color 100302.

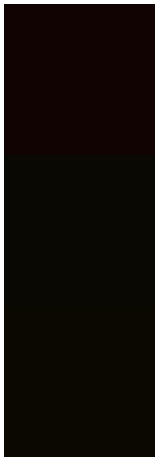


This preview shows how white text looks on a background with the Hex color 100302.

# 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**  
100302

**Protanopia**  
090803

**Deuteranopia**  
0B0800



**Tritanopia**  
100303

# Trichromacy



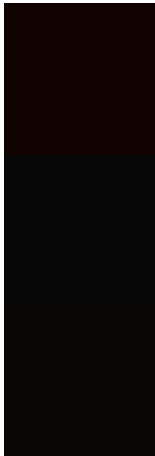
**Original Color**  
100302

**Protanomaly**  
0C0603

**Deuteranomaly**  
0D0601

**Tritanomaly**  
100303

# Monochromacy



**Original Color**  
100302

**Achromatopsia**  
070707

**Achromatomaly**  
0A0605

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 100302 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 #100302 looks like.

```
.text, #text, p{  
    color:#100302  
}
```

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 #100302 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #100302
}
```

## Border

The CSS property to change the border of an element to Hex 100302 is called "border". The border property can be set on classes, ids or directly on the HTML element.

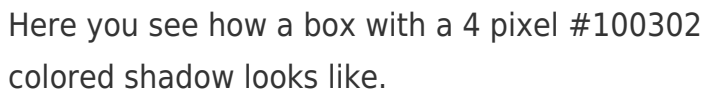
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#100302 }
```

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

```
.border{ border-color:#100302 }
```

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



Here you see how a box with a 4 pixel #100302 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #100302; -webkit-box-shadow:4px 4px  
4px 4px #100302; box-shadow:4px 4px 4px  
4px #100302 }
```

# Background

The CSS property to change the background color of an element to Hex 100302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#100302 }
```

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

```
.background{ background-color:#100302 }
```

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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