

# Converting Colors

Hex(103100)

Have a look what the booklet for  
Hex(103100) contains.

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# Color

**Hex(103100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	103100
RGB	16, 49, 0
RGB Percent	6%, 19%, 0%
CMY	0.9373, 0.8078, 1.0000
CMYK	0.67, 0.00, 1.00, 0.81
HSL	100°, 100%, 10%
HSV	100°, 100%, 19%
XYZ	1.3120, 2.3068, 0.3761
YIQ	33.5470, -3.9390, -22.2350

# Conversions

## Conversions Part 2

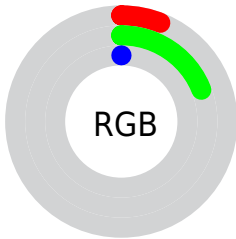
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 49, 33
Decimal	1061120
CIELab	17.02, -22.39, 23.97
CIELCh	17, 32.800, 133.053
Yxy	2.3068, 0.3284, 0.5774
Android (android.graphics.Color)	4279251200 (0xFF103100)
YUV	33.5470, -16.5387, -15.3887
Hunter-Lab	15.1881, -11.1598, 9.1635

# Details

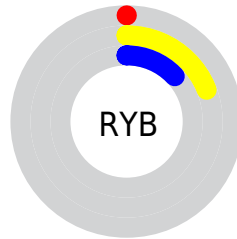
The Hex color **103100** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **210031**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **3E602F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **103100**, and if you desaturate by 10%, it is **133105**.

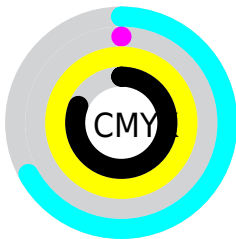
# Distribution



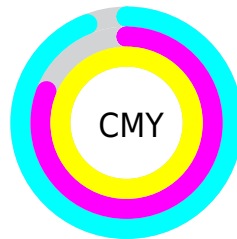
- Red (6%)
- Green (19%)
- Blue (0%)



- Red (0%)
- Yellow (19%)
- Blue (13%)



- Cyan (67%)
- Magenta (0%)
- Yellow (100%)
- Black (81%)



- Cyan (94%)
- Magenta (81%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 103100 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 103100 by changing the saturation by 10% instead.



 103100

 103100

 F8FFE3

 001E00

 3E602F

 000000

 567946

 6F935E

 89AD77

 A4C991

 C0E5AC

 DCFFC7

 103100

■ 133105

■ 17310A

■ 1A310F

■ 1D3114

■ 213119

■ 24311D

■ 273122

■ 2A3127

■ 2E312C

# Harmonies

## Analogous

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



2C2C00



103100



00341B

# Triad

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



103100



003057



530F21

# Complementary

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



103100



210031

# 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.



4D1338



103100



002958

# Square

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



103100



00344A



371E4D



4E1908

# Rectangle

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



103100



00342C



371E4D



520F29



# Sweetspot

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



103100



33402D



312100



192115



A1A1A1



212121



# Same Dimension

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



103100



154000



003108



181A17



1D5900



47D900



# Inverse Universe

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



210031



2B0040



310029



19171A



3C0059

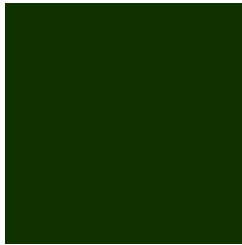


9200D9



# Previews

## White Background



This preview shows how the Hex color 103100 looks on a white background.

## Color Contrast Check

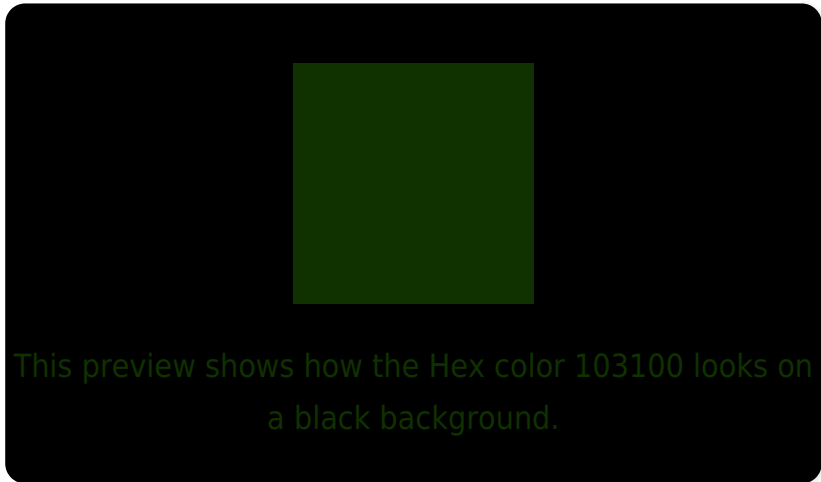
Large Text (above 18pt) WCAG AA ✓ Pass

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

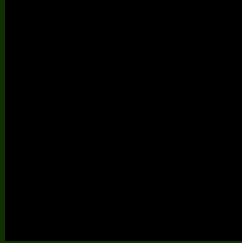
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 103100 Background



This preview shows how black text looks on a background with the Hex color 103100.



This preview shows how white text looks on a background with the Hex color 103100.

# 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**  
103100

**Protanopia**  
302A00

**Deuteranopia**  
35280A



**Tritanopia**  
192E31

# Trichromacy



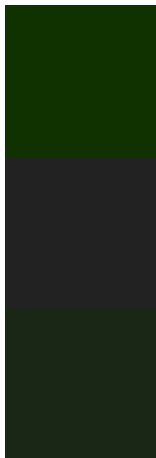
**Original Color**  
103100

**Protanomaly**  
242D00

**Deuteranomaly**  
282B06

**Tritanomaly**  
162F1F

# Monochromacy



**Original Color**  
103100

**Achromatopsia**  
222222

**Achromatomaly**  
1B2716

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 103100 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 #103100 looks like.

```
.text, #text, p{  
    color:#103100  
}
```

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 #103100 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #103100
}
```

## Border

The CSS property to change the border of an element to Hex 103100 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
#103100 }
```

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

```
.border{ border-color:#103100 }
```

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

Here you see how a box with a 4 pixel #103100 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #103100; -webkit-box-shadow:4px 4px  
4px 4px #103100; box-shadow:4px 4px 4px  
4px #103100 }
```

# Background

The CSS property to change the background color of an element to Hex 103100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#103100 }
```

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

```
.background{ background-color:#103100 }
```

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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