

# Converting Colors

Hex(103810)

Have a look what the booklet for  
Hex(103810) contains.

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# Color

**Hex(103810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	103810
RGB	16, 56, 16
RGB Percent	6%, 22%, 6%
CMY	0.9373, 0.7804, 0.9373
CMYK	0.71, 0.00, 0.71, 0.78
HSL	120°, 56%, 14%
HSV	120°, 71%, 22%
XYZ	1.7214, 2.9759, 0.9739
YIQ	39.4800, -11.0000, -20.9200

# Conversions

## Conversions Part 2

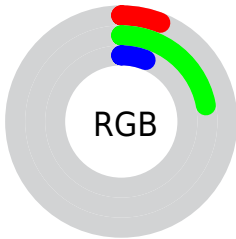
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 56, 56
Decimal	1062928
CIE <sub>Lab</sub>	19.95, -23.64, 20.46
CIE <sub>LCh</sub>	20, 31.265, 139.121
Yxy	2.9759, 0.3035, 0.5247
Android (android.graphics.Color)	4279253008 (0xFF103810)
YUV	39.4800, -11.5756, -20.5920
Hunter-Lab	17.2508, -12.3773, 8.7284

# Details

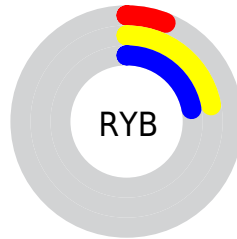
The Hex color **103810** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **381038**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **40683C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **0A380A**, and if you desaturate by 10%, it is **163816**.

# Distribution



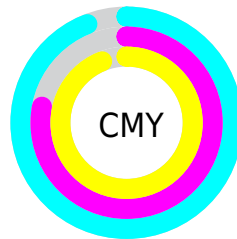
- Red (6%)
- Green (22%)
- Blue (6%)



- Red (6%)
- Yellow (22%)
- Blue (22%)



- Cyan (71%)
- Magenta (0%)
- Yellow (71%)
- Black (78%)



- Cyan (94%)
- Magenta (78%)
- Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 103810 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 103810 by changing the saturation by 10% instead.



 103810

 103810

 FBFFF3

 002300

 40683C

 000000

 588153

 729B6C

 8CB685

 A7D29F

 C2EEBA

 DEFFD6

 103810

 103810

■ 0A380A

■ 163816

■ 053805

■ 1B381B

■ 003800

■ 213821

■ 263826

■ 2C382C

■ 323832

■ 373837

■ 3D383D

■ 423842

# Harmonies

## Analogous

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



2E3300



103810



003A27

# Triad

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



103810



00355D



591A23

# Complementary

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



103810



381038

# 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.



551A3A



103810



1E2E5C

# Square

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



103810



003952



43234E



52220D

# Rectangle

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



103810



003B37



43234E



59192A



# Sweetspot

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



103810



3A4A3A



383810



1D261D



A6A6A6



262626



# Same Dimension

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



103810



0A4A0A



103824



191C19



005C00



00DB00



# Inverse Universe

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



381038



4A0A4A



381024



1C191C



5C005C

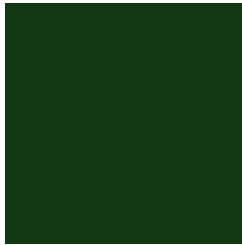


DB00DB



# Previews

## White Background



This preview shows how the Hex color 103810 looks on a white background.

## Color Contrast Check

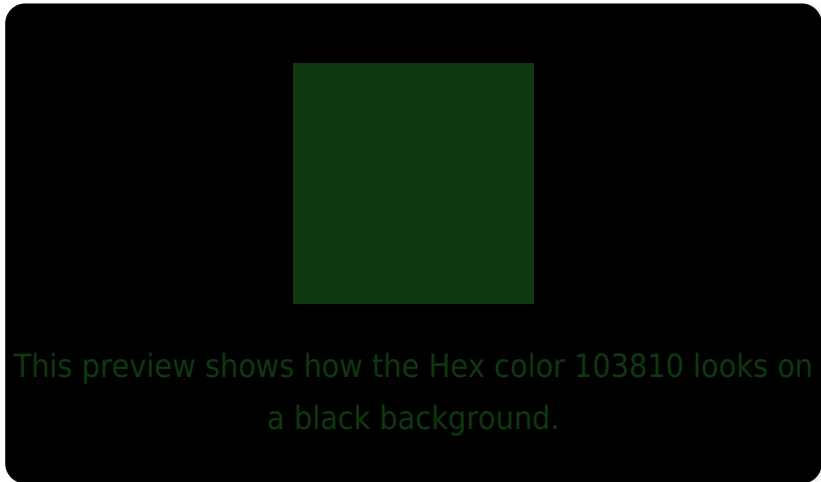
Large Text (above 18pt) WCAG AA ✓ Pass

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

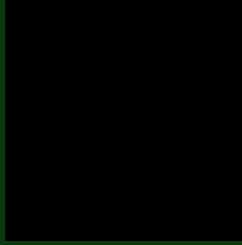
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 103810 Background



This preview shows how black text looks on a background with the Hex color 103810.



This preview shows how white text looks on a background with the Hex color 103810.

# 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](#).

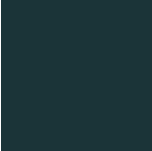
## Dichromacy



**Original Color**  
103810

**Protanopia**  
36300E

**Deuteranopia**  
3C2E14



**Tritanopia**  
1B3438

# Trichromacy



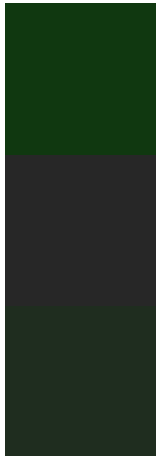
**Original Color**  
103810

**Protanomaly**  
28330F

**Deuteranomaly**  
2C3213

**Tritanomaly**  
173529

# Monochromacy



**Original Color**  
103810

**Achromatopsia**  
272727

**Achromatomaly**  
1F2D1F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 103810 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 #103810 looks like.

```
.text, #text, p{  
    color:#103810  
}
```

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 #103810 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #103810
}
```

## Border

The CSS property to change the border of an element to Hex 103810 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".

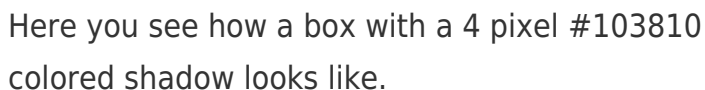
```
.border, #border, table{ border:4px solid
#103810 }
```

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

```
.border{ border-color:#103810 }
```

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

Here you see how a box with a 4 pixel #103810 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #103810; -webkit-box-shadow:4px 4px  
4px 4px #103810; box-shadow:4px 4px 4px  
4px #103810 }
```

# Background

The CSS property to change the background color of an element to Hex 103810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#103810 }
```

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

```
.background{ background-color:#103810 }
```

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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