

# Converting Colors

Hex(103122)

Have a look what the booklet for  
Hex(103122) contains.

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# Color

**Hex(103122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	103122
RGB	16, 49, 34
RGB Percent	6%, 19%, 13%
CMY	0.9373, 0.8078, 0.8667
CMYK	0.67, 0.00, 0.31, 0.81
HSL	153°, 51%, 13%
HSV	153°, 67%, 19%
XYZ	1.6007, 2.4223, 1.8966
YIQ	37.4230, -14.8530, -11.6610

# Conversions

## Conversions Part 2

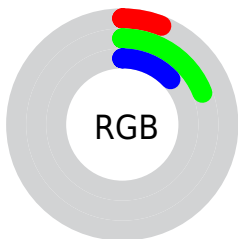
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 37, 49
Decimal	1061154
CIELab	17.56, -16.51, 6.02
CIELCh	18, 17.571, 159.951
Yxy	2.4223, 0.2704, 0.4092
Android (android.graphics.Color)	4279251234 (0xFF103122)
YUV	37.4230, -1.6875, -18.7880
Hunter-Lab	15.5637, -8.8776, 3.6696

# Details

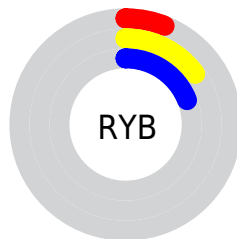
The Hex color **103122** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **31101F**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **3E604E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **0B3120**, and if you desaturate by 10%, it is **153124**.

# Distribution



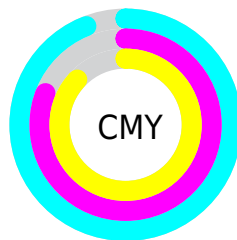
- Red (6%)
- Green (19%)
- Blue (13%)



- Red (6%)
- Yellow (15%)
- Blue (19%)



- Cyan (67%)
- Magenta (0%)
- Yellow (31%)
- Black (81%)



- Cyan (94%)
- Magenta (81%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 103122 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 103122 by changing the saturation by 10% instead.



 103122

 103122

 F7FFFF

 001D0C

 3E604E

 000000

 567866

 6F927F

 88AD99

 A3C8B4

 BEE4CF

 DAF FEC

 103122

 103122

■ 0B3120

■ 153124

■ 06311E

■ 1A3126

■ 01311B

■ 1F3129

■ 00311B

■ 24312B

■ 29312D

■ 2D312F

■ 323132

■ 373134

■ 3C3136

# Harmonies

## Analogous

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



212F17



103122



00322F

# Triad

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



103122



1F2B44



41231B

# Complementary

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



103122



31101F

# 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.



432127



103122



32263E

# Square

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



103122



022F43



3E2234



3A2713

# Rectangle

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



103122



003137



3E2234



43221F



# Sweetspot

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



103122



33403A



1F3110



19211E



A1A1A1



212121



# Same Dimension

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



103122



0C4028



103031



171A18



005931



00D976



# Inverse Universe

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



31101F



400C24



311110



1A1718



590029

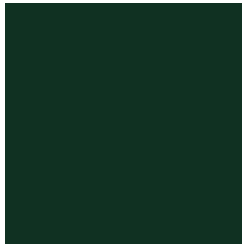


D90063



# Previews

## White Background



This preview shows how the Hex color 103122 looks on a white background.

## Color Contrast Check

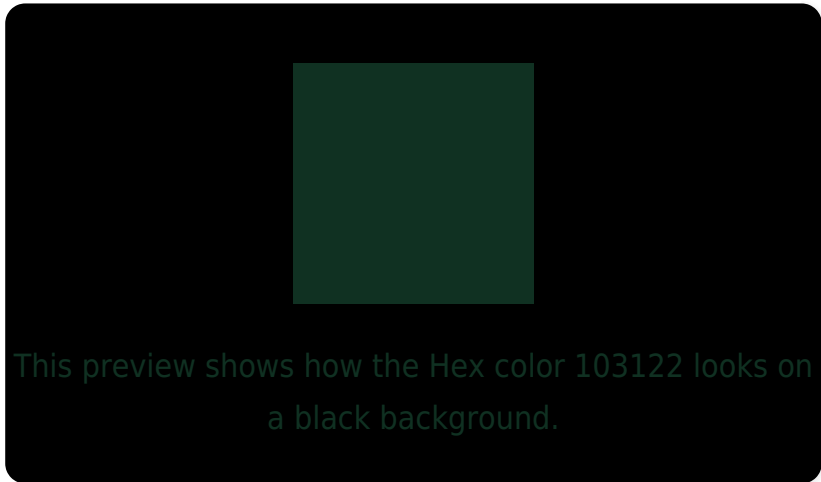
Large Text (above 18pt) WCAG AA ✓ Pass

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

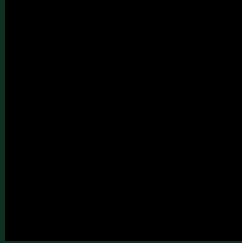
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 103122 Background



This preview shows how black text looks on a background with the Hex color 103122.



This preview shows how white text looks on a background with the Hex color 103122.

# 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**  
103122

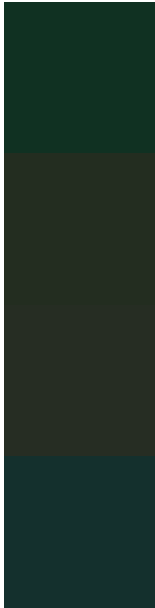
**Protanopia**  
2E2B1F

**Deuteranopia**  
322A24



**Tritanopia**  
162F33

# Trichromacy



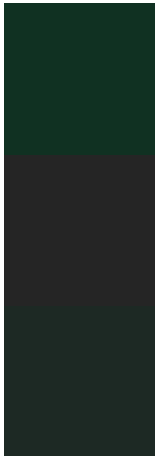
**Original Color**  
103122

**Protanomaly**  
232D20

**Deuteranomaly**  
262D23

**Tritanomaly**  
14302D

# Monochromacy



**Original Color**  
103122

**Achromatopsia**  
252525

**Achromatomaly**  
1D2924

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 103122 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 #103122 looks like.

```
.text, #text, p{  
    color:#103122  
}
```

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 #103122 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #103122
}
```

## Border

The CSS property to change the border of an element to Hex 103122 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
#103122 }
```

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

```
.border{ border-color:#103122 }
```

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

Here you see how a box with a 4 pixel #103122 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #103122; -webkit-box-shadow:4px 4px  
4px 4px #103122; box-shadow:4px 4px 4px  
4px #103122 }
```

# Background

The CSS property to change the background color of an element to Hex 103122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#103122 }
```

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

```
.background{ background-color:#103122 }
```

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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