

# Converting Colors

Hex(123F31)

Have a look what the booklet for  
Hex(123F31) contains.

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# Color

Hex(123F31)

# Conversions

## Conversions Part 1

Format	Color
Hex	123F31
RGB	18, 63, 49
RGB Percent	7%, 25%, 19%
CMY	0.9294, 0.7529, 0.8078
CMYK	0.71, 0.00, 0.22, 0.75
HSL	161°, 56%, 16%
HSV	161°, 71%, 25%
XYZ	2.5813, 3.9054, 3.5235
YIQ	47.9490, -22.3260, -13.8940

# Conversions

## Conversions Part 2

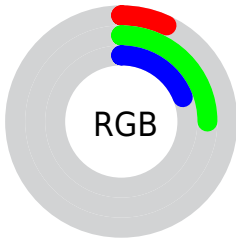
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 45, 63
Decimal	1195825
CIELab	23.36, -19.35, 4.12
CIELCh	23, 19.779, 167.972
Yxy	3.9054, 0.2579, 0.3901
Android (android.graphics.Color)	4279385905 (0xFF123F31)
YUV	47.9490, 0.5181, -26.2653
Hunter-Lab	19.7620, -11.2676, 3.2622

# Details

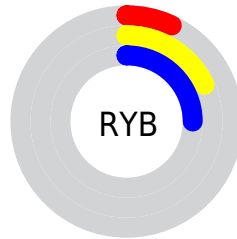
The Hex color **123F31** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3F1220**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **436F5F**, and **001402** is the 20% darker color. If you saturate the color by 10%, you get **0C3F2F**, and if you desaturate by 10%, it is **183F33**.

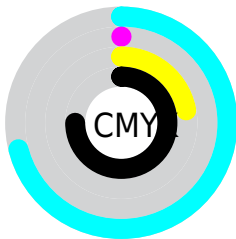
# Distribution



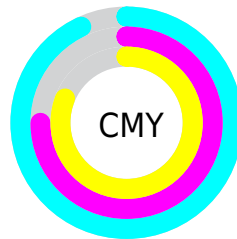
- Red (7%)
- Green (25%)
- Blue (19%)



- Red (7%)
- Yellow (18%)
- Blue (25%)



- Cyan (71%)
- Magenta (0%)
- Yellow (22%)
- Black (75%)




- Cyan (93%)
- Magenta (75%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 123F31 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 123F31 by changing the saturation by 10% instead.



 123F31

 123F31

FFFFFF

 00291C

 436F5F

 001402

 5B8978

 000000

 75A391

 8FBEAC

 AADAC7

 C6F7E3

 E2FFFF

 123F31

 123F31

■ 0C3F2F

■ 183F33

■ 053F2D

■ 1F3F35

■ 003F2B

■ 253F37

■ 2B3F39

■ 323F3B

■ 383F3D

■ 3E3F3F

■ 443F41

■ 4B3F43

# Harmonies

## Analogous

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



273D23



123F31



003F40

# Triad

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



123F31



303654



503022

# Complementary

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



123F31



3F1220

# 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.



542C2F



123F31



44304C

# Square

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



123F31



133B54



502C3E



46351B

# Rectangle

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



123F31



003F49



502C3E



522E26



# Sweetspot

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



123F31



40524C



203F12



1F2926



A8A8A8



292929



# Same Dimension

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



123F31



0B523C



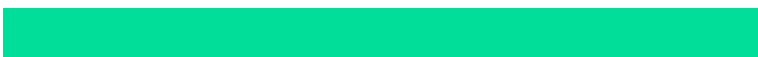
12373F



1C1F1E



005E41



00DE99



# Inverse Universe

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



3F1220



520B21



3F1A12



1F1C1C



5E001D

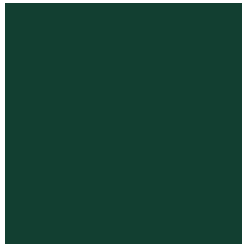


DE0045



# Previews

## White Background



This preview shows how the Hex color 123F31 looks on a white background.

## Color Contrast Check

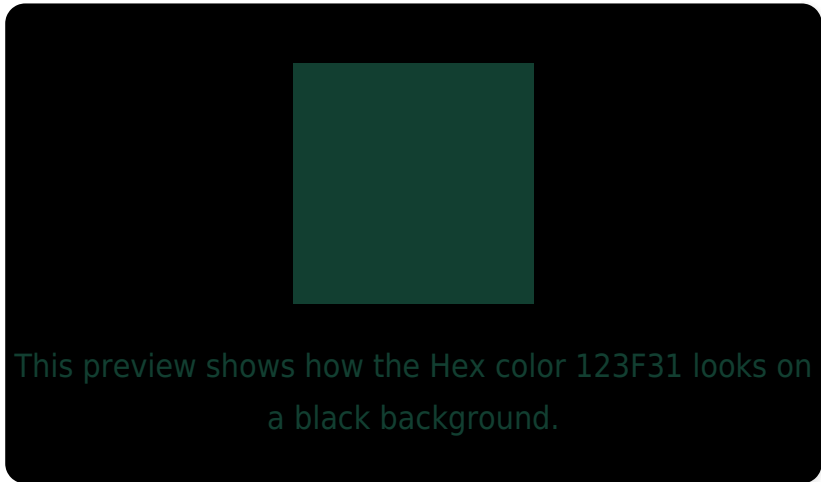
Large Text (above 18pt) WCAG AA ✓ Pass

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

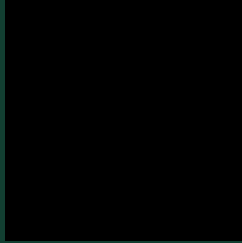
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 123F31 Background



This preview shows how black text looks on a background with the Hex color 123F31.



This preview shows how white text looks on a background with the Hex color 123F31.

# 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](#).

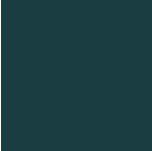
## Dichromacy



**Original Color**  
123F31

**Protanopia**  
3B382D

**Deuteranopia**  
3F3633



**Tritanopia**  
1A3D42

# Trichromacy



**Original Color**  
123F31

**Protanomaly**  
2C3B2E

**Deuteranomaly**  
2F3932

**Tritanomaly**  
173E3C

# Monochromacy



**Original Color**  
123F31

**Achromatopsia**  
303030

**Achromatomaly**  
253530

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 123F31 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 #123F31 looks like.

```
.text, #text, p{  
    color:#123F31  
}
```

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 #123F31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #123F31
}
```

## Border

The CSS property to change the border of an element to Hex 123F31 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
#123F31 }
```

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

```
.border{ border-color:#123F31 }
```

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

Here you see how a box with a 4 pixel #123F31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #123F31; -webkit-box-shadow:4px 4px  
4px 4px #123F31; box-shadow:4px 4px 4px  
4px #123F31 }
```

# Background

The CSS property to change the background color of an element to Hex 123F31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#123F31 }
```

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

```
.background{ background-color:#123F31 }
```

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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