

# Converting Colors

Hex(133227)

Have a look what the booklet for  
Hex(133227) contains.

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# Color

Hex(133227)

# Conversions

## Conversions Part 1

Format	Color
Hex	133227
RGB	19, 50, 39
RGB Percent	7%, 20%, 15%
CMY	0.9255, 0.8039, 0.8471
CMYK	0.62, 0.00, 0.22, 0.80
HSL	159°, 45%, 14%
HSV	159°, 62%, 20%
XYZ	1.7754, 2.5661, 2.3212
YIQ	39.4770, -14.9450, -9.9930

# Conversions

## Conversions Part 2

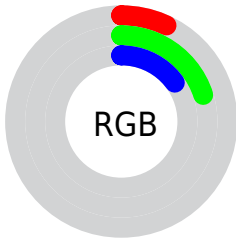
Format	Color
<b>R<sub>YB</sub></b>	19, 38, 50
Decimal	1258023
CIE Lab	18.22, -14.81, 3.54
CIE LCh	18, 15.231, 166.577
Yxy	2.5661, 0.2665, 0.3851
Android (android.graphics.Color)	4279448103 (0xFF133227)
YUV	39.4770, -0.2352, -17.9583
Hunter-Lab	16.0192, -8.2508, 2.6222

# Details

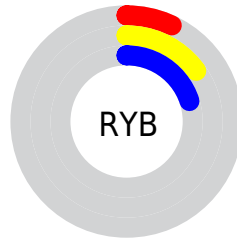
The Hex color **133227** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **32131E**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **406154**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **0E3225**, and if you desaturate by 10%, it is **183229**.

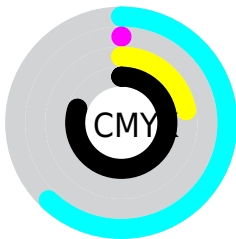
# Distribution



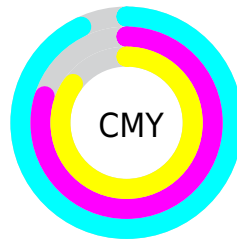
- Red (7%)
- Green (20%)
- Blue (15%)



- Red (7%)
- Yellow (15%)
- Blue (20%)



- Cyan (62%)
- Magenta (0%)
- Yellow (22%)
- Black (80%)



- Cyan (93%)
- Magenta (80%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 133227 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 133227 by changing the saturation by 10% instead.



■ 133227

■ 133227

■ FAFFFF

■ 001D13

■ 406154

■ 000000

■ 58796C

■ 719385

■ 8BAE9F

■ A6C9BA

■ C1E5D6

■ DDFFF2

■ 133227

■ 133227

■ 0E3225

■ 183229

■ 093223

■ 1D322B

■ 043222

■ 22322C

■ 003220

■ 27322E

■ 2C3230

■ 313232

■ 363233

■ 3B3235

■ 403237

# Harmonies

## Analogous

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



21301D



133227



043232

# Triad

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



133227



262B41



3F261D

# Complementary

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



133227



32131E

# 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.



422427



133227



35273C

# Square

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



133227



142F42



3F2432



382A17

# Rectangle

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



133227



003239



3F2432



412520



# Sweetspot

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



133227



34403B



1E3213



1A211E



A1A1A1



212121



# Same Dimension

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



133227



11402F



132E32



171A19



00593A



00D98C



# Inverse Universe

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



32131E



401121



321713



1A1718



590020

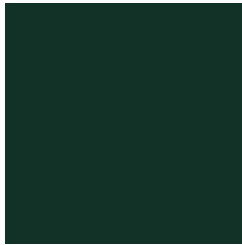


D9004D



# Previews

## White Background



This preview shows how the Hex color 133227 looks on a white background.

## Color Contrast Check

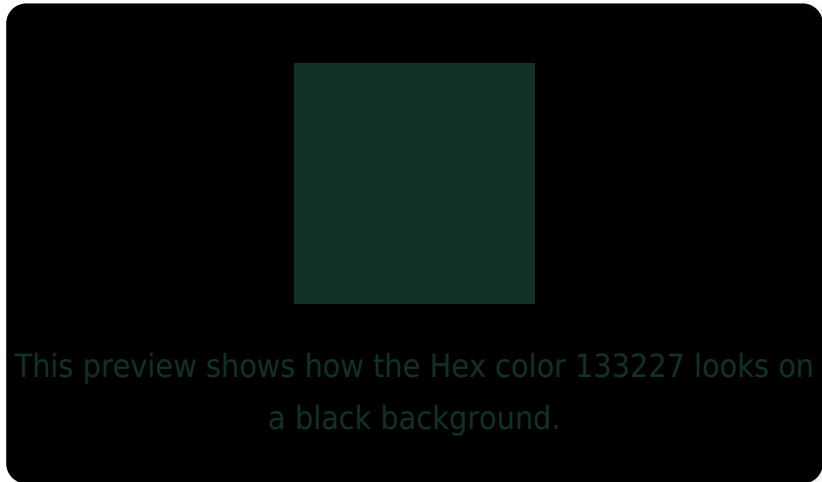
Large Text (above 18pt) WCAG AA ✓ Pass

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

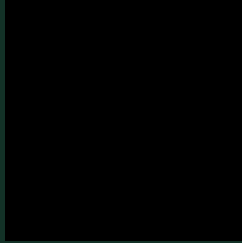
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 133227 Background



This preview shows how black text looks on a background with the Hex color 133227.



This preview shows how white text looks on a background with the Hex color 133227.

# 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](#).

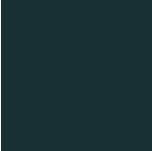
## Dichromacy



**Original Color**  
133227

**Protanopia**  
2F2C24

**Deuteranopia**  
322B29



**Tritanopia**  
183034

# Trichromacy



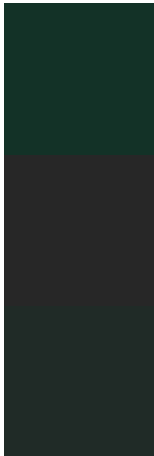
**Original Color**  
133227

**Protanomaly**  
252E25

**Deuteranomaly**  
272E28

**Tritanomaly**  
16312F

# Monochromacy



**Original Color**  
133227

**Achromatopsia**  
272727

**Achromatomaly**  
202B27

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 133227 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 #133227 looks like.

```
.text, #text, p{  
    color:#133227  
}
```

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 #133227 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #133227
}
```

## Border

The CSS property to change the border of an element to Hex 133227 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".

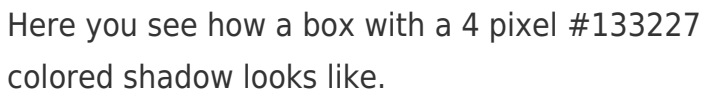
```
.border, #border, table{ border:4px solid
#133227 }
```

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

```
.border{ border-color:#133227 }
```

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

Here you see how a box with a 4 pixel #133227 colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The box is white with a thin dark green border on the top and left sides, and a thicker dark green shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #133227; -webkit-box-shadow:4px 4px  
4px 4px #133227; box-shadow:4px 4px 4px  
4px #133227 }
```

# Background

The CSS property to change the background color of an element to Hex 133227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#133227 }
```

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

```
.background{ background-color:#133227 }
```

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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