

# Converting Colors

Hex(123135)

Have a look what the booklet for  
Hex(123135) contains.

<b>Hex(123135)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(123135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	123135
RGB	18, 49, 53
RGB Percent	7%, 19%, 21%
CMY	0.9294, 0.8078, 0.7922
CMYK	0.66, 0.08, 0.00, 0.79
HSL	187°, 49%, 14%
HSV	187°, 66%, 21%
XYZ	1.9904, 2.5823, 3.7617
YIQ	40.1870, -19.7600, -5.3280

# Conversions

## Conversions Part 2

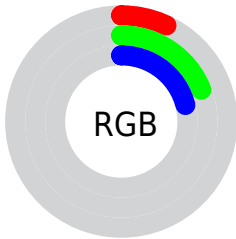
Format	Color
<b>RYB</b>	18, 34, 53
Decimal	1192245
CIELab	18.29, -9.97, -6.02
CIElCh	18, 11.649, 211.138
Yxy	2.5823, 0.2388, 0.3098
Android (android.graphics.Color)	4279382325 (0xFF123135)
YUV	40.1870, 6.3168, -19.4580
Hunter-Lab	16.0694, -6.0124, -2.6306

# Details

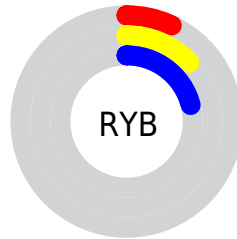
The Hex color **123135** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **351612**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **415F63**, and **000007** is the 20% darker color. If you saturate the color by 10%, you get **0D3035**, and if you desaturate by 10%, it is **173235**.

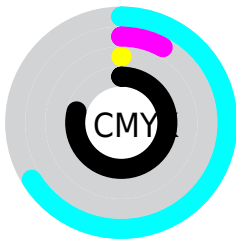
# Distribution



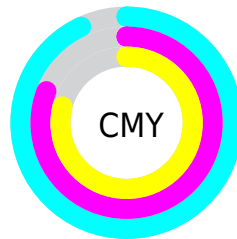
- Red (7%)
- Green (19%)
- Blue (21%)



- Red (7%)
- Yellow (13%)
- Blue (21%)



- Cyan (66%)
- Magenta (8%)
- Yellow (0%)
- Black (79%)



- Cyan (93%)
- Magenta (81%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 123135 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 123135 by changing the saturation by 10% instead.



 123135

 123135

 FBFFFF

 001C20

 415F63

 000007

 59787C

 000000

 729296

 8CACB1

 A7C8CC

 C2E4E9

 DEFFFF

 123135

 123135

■ 0D3035

■ 173235

■ 073035

■ 1D3235

■ 022F35

■ 223335

■ 002F35

■ 273335

■ 2D3435

■ 323535

■ 373535

■ 3C3635

■ 423635

# Harmonies

## Analogous

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



17312D



123135



17303B

# Triad

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



123135



382835



322C1C

# Complementary

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



123135



351612

# 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.



39291E



123135



3D262D

# Square

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



123135



2E2A3B



3D2724



292F1E

# Rectangle

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



123135



1E2E3D



3D2724



352B1C



# Sweetspot

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



123135



374345



123515



1B2324



A3A3A3



242424



# Same Dimension

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



123135



0E3F45



122035



17191A



004F59



00C0D9



# Inverse Universe

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



351231



450E3F



352712



1A1719



59004F

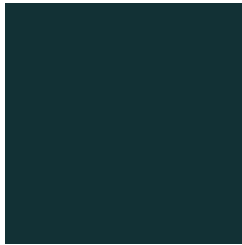


D900C0



# Previews

## White Background



This preview shows how the Hex color 123135 looks on a white background.

## Color Contrast Check

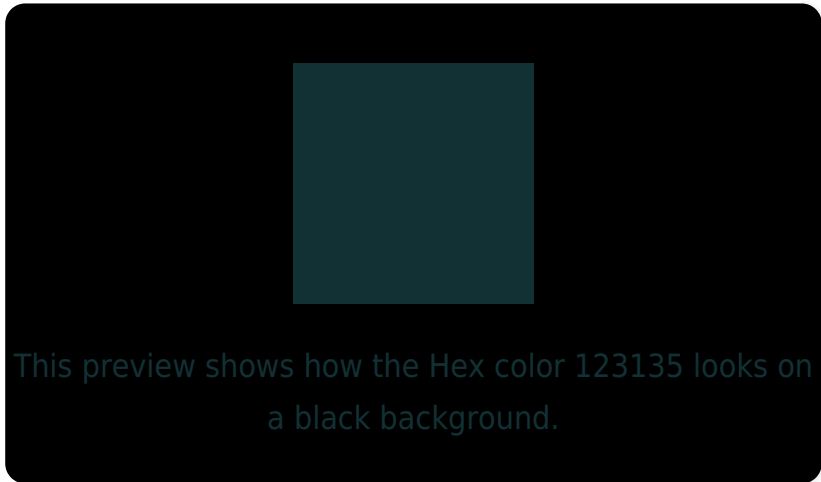
Large Text (above 18pt) WCAG AA ✓ Pass

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

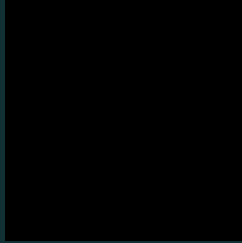
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 123135 Background



This preview shows how black text looks on a background with the Hex color 123135.

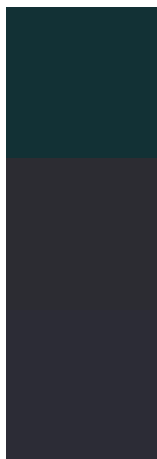


This preview shows how white text looks on a background with the Hex color 123135.

# 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](#).

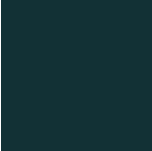
## Dichromacy



**Original Color**  
123135

**Protanopia**  
2C2C32

**Deuteranopia**  
2C2C36



**Tritanopia**  
123135

# Trichromacy



**Original Color**

123135

**Protanomaly**

232E33

**Deuteranomaly**

232E36

**Tritanomaly**

123135

# Monochromacy



**Original Color**

123135

**Achromatopsia**

282828

**Achromatomaly**

202B2D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 123135 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 #123135 looks like.

```
.text, #text, p{  
    color:#123135  
}
```

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 #123135 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #123135
}
```

## Border

The CSS property to change the border of an element to Hex 123135 is called "border". The border property can be set on classes, ids or directly on the HTML element.

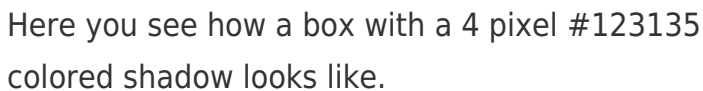
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#123135 }
```

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

```
.border{ border-color:#123135 }
```

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



Here you see how a box with a 4 pixel #123135 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #123135; -webkit-box-shadow:4px 4px  
4px 4px #123135; box-shadow:4px 4px 4px  
4px #123135 }
```

# Background

The CSS property to change the background color of an element to Hex 123135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#123135 }
```

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

```
.background{ background-color:#123135 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor