

# Converting Colors

Hex(131313)

Have a look what the booklet for  
Hex(131313) contains.

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# Color

**Hex(131313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	131313
RGB	19, 19, 19
RGB Percent	7%, 7%, 7%
CMY	0.9255, 0.9255, 0.9255
CMYK	0.00, 0.00, 0.00, 0.93
HSL	0°, 0%, 7%
HSV	0°, 0%, 7%
XYZ	0.6190, 0.6512, 0.7092
YIQ	19.0000, -0.0000, -0.0000

# Conversions

## Conversions Part 2

Format	Color
<b>R<sub>Y</sub>B</b>	19, 19, 19
Decimal	1250067
CIE Lab	5.88, 0.00, -0.00
CIE LCh	6, 0.002, 296.812
Yxy	0.6512, 0.3127, 0.3290
Android (android.graphics.Color)	4279440147 (0xFF131313)
YUV	19.0000, 0.0000, 0.0000
Hunter-Lab	8.0698, -0.4306, 0.4384

# Details

The Hex color **131313** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **131313**, and the grayscale version is **131313**.

A 20% lighter version of the original color is **3D3D3D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **131111**, and if you desaturate by 10%, it is **131515**.

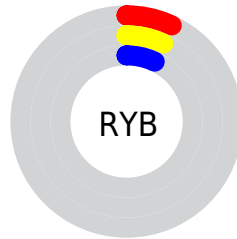
# Distribution



Red (7%)

Green (7%)

Blue (7%)



Red (7%)

Yellow (7%)

Blue (7%)

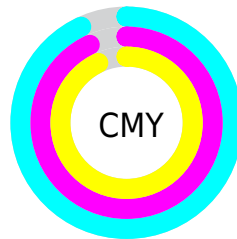


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (93%)



Cyan (93%)

Magenta (93%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 131313 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 131313 by changing the saturation by 10% instead.



■ 131313

■ 131313

■ F3F3F3

■ 000000

■ 3D3D3D

■ 545454

■ 6D6D6D

■ 868686

■ A0A0A0

■ BBBBBB

■ D7D7D7

■ 131313

■ 131313

■ 131111

■ 131515

■ 130F0F

■ 131717

■ 130D0D

■ 131919

■ 130B0B

■ 131B1B

■ 130A0A

■ 131C1C

■ 130808

■ 131E1E

■ 130606

■ 132020

■ 130404

■ 132222

■ 130202

■ 132424

# Harmonies

# Sweetspot

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



131313



1A1A1A



0D0D0D



8C8C8C

# Same Dimension

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



131313



1A1A1A



0A0A0A



4A0000



C90000

# Inverse Universe

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



131313



1A1A1A



0A0A0A



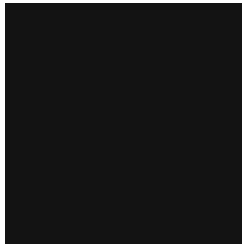
004A4A



00C9C9

# Previews

## White Background



This preview shows how the Hex color 131313 looks on a white background.

## Color Contrast Check

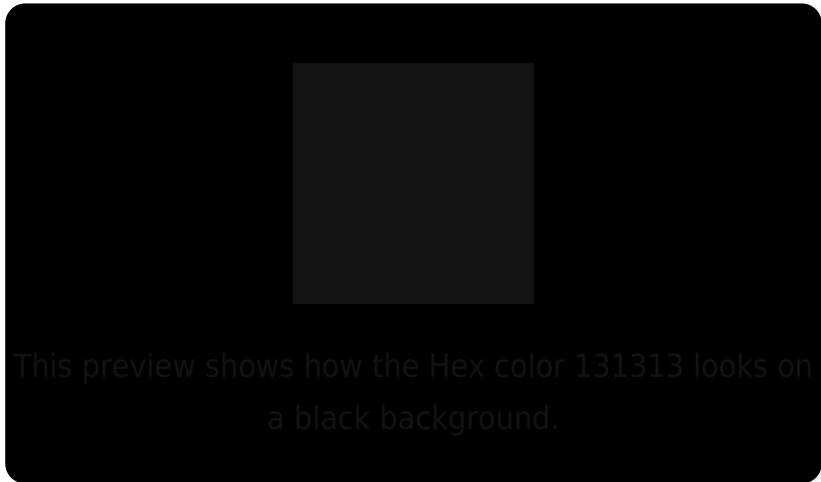
Large Text (above 18pt) WCAG AA ✓ Pass

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

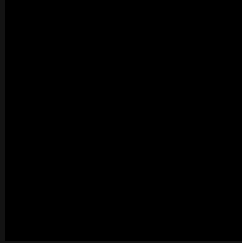
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

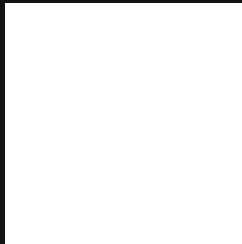
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 131313 Background



This preview shows how black text looks on a background with the Hex color 131313.

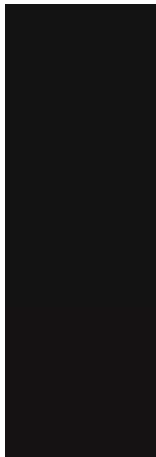


This preview shows how white text looks on a background with the Hex color 131313.

# 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**  
131313

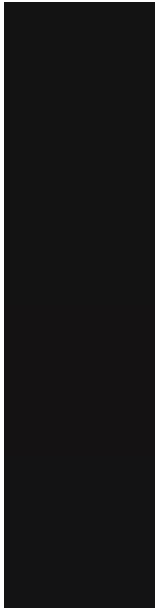
**Protanopia**  
131313

**Deuteranopia**  
151213



**Tritanopia**  
131314

# Trichromacy



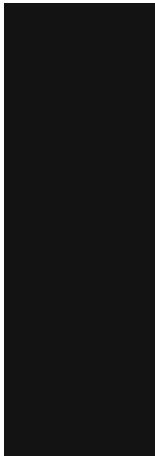
**Original Color**  
131313

**Protanomaly**  
131313

**Deuteranomaly**  
141213

**Tritanomaly**  
131314

# Monochromacy



**Original Color**  
131313

**Achromatopsia**  
131313

**Achromatomaly**  
131313

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 131313 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 #131313 looks like.

```
.text, #text, p{  
    color:#131313  
}
```

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 #131313 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #131313
}
```

## Border

The CSS property to change the border of an element to Hex 131313 is called "border". The border property can be set on classes, ids or directly on the HTML element.

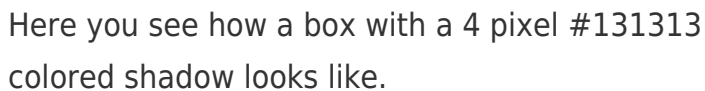
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#131313 }
```

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

```
.border{ border-color:#131313 }
```

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



Here you see how a box with a 4 pixel #131313 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #131313; -webkit-box-shadow:4px 4px  
4px 4px #131313; box-shadow:4px 4px 4px  
4px #131313 }
```

# Background

The CSS property to change the background color of an element to Hex 131313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#131313 }
```

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

```
.background{ background-color:#131313 }
```

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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