

# Converting Colors

Hex(19331A)

Have a look what the booklet for  
Hex(19331A) contains.

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# Color

**Hex(19331A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	19331A
RGB	25, 51, 26
RGB Percent	10%, 20%, 10%
CMY	0.9020, 0.8000, 0.8980
CMYK	0.51, 0.00, 0.49, 0.80
HSL	122°, 34%, 15%
HSV	122°, 51%, 20%
XYZ	1.7712, 2.6489, 1.3952
YIQ	40.3760, -7.4710, -13.2870

# Conversions

## Conversions Part 2

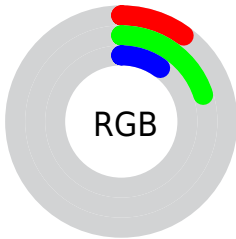
<b>Format</b>	<b>Color</b>
<b>RYB</b>	25, 50, 51
Decimal	1651482
CIELab	18.58, -16.49, 12.82
CIELCh	19, 20.884, 142.138
Yxy	2.6489, 0.3046, 0.4555
Android (android.graphics.Color)	4279841562 (0xFF19331A)
YUV	40.3760, -7.0874, -13.4848
Hunter-Lab	16.2755, -9.0567, 6.3102

# Details

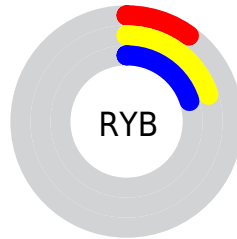
The Hex color **19331A** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **331932**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **466246**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **143315**, and if you desaturate by 10%, it is **1E331F**.

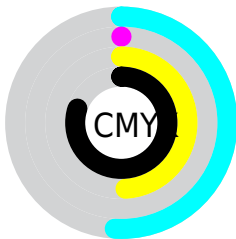
# Distribution



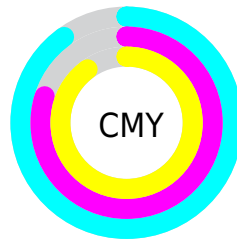
- Red (10%)
- Green (20%)
- Blue (10%)



- Red (10%)
- Yellow (20%)
- Blue (20%)



- Cyan (51%)
- Magenta (0%)
- Yellow (49%)
- Black (80%)



- Cyan (90%)
- Magenta (80%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 19331A 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 19331A by changing the saturation by 10% instead.



 19331A

 19331A

FFFFFFE

 031E00

 466246

 000000

 5E7B5D

 779476

 91AF90

 ACCBAA

 C7E7C5

 E3FFE1

 19331A

 19331A

■ 143315

■ 1E331F

■ 0F3310

■ 233324

■ 0A330B

■ 283329

■ 053306

■ 2D332E

■ 003302

■ 333333

■ 383337

■ 3D333C

■ 423341

■ 473346

# Harmonies

## Analogous

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



2B3010



19331A



003529

# Triad

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



19331A



04304B



492123

# Complementary

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



19331A



331932

# 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.



472132



19331A



282B49

# Square

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



19331A



003345



3C2540



442516

# Rectangle

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



19331A



003533



3C2540



4A2028



# Sweetspot

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



19331A



384239



323319



1B211B



A1A1A1



212121



# Same Dimension

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



19331A



1A421B



193327



171A17



005903



00D908



# Inverse Universe

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



331932



421A41



331925



1A1719



590056



D900D0



# Previews

## White Background



This preview shows how the Hex color 19331A looks on a white background.

## Color Contrast Check

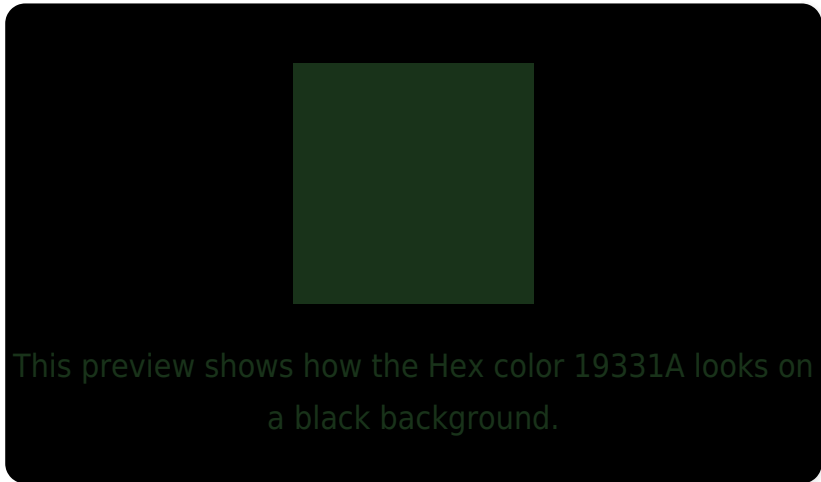
Large Text (above 18pt) WCAG AA ✓ Pass

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

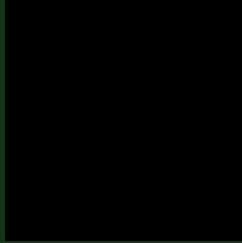
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 19331A Background



This preview shows how black text looks on a background with the Hex color 19331A.



This preview shows how white text looks on a background with the Hex color 19331A.

# 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**  
19331A

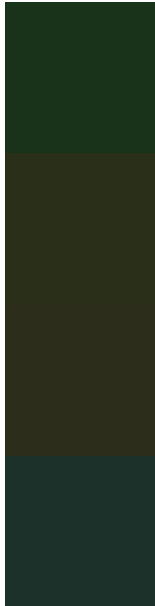
**Protanopia**  
322D18

**Deuteranopia**  
372B1C



**Tritanopia**  
1F3034

# Trichromacy



**Original Color**  
19331A

**Protanomaly**  
292F19

**Deuteranomaly**  
2C2E1B

**Tritanomaly**  
1D312B

# Monochromacy



**Original Color**  
19331A

**Achromatopsia**  
282828

**Achromatomaly**  
232C23

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 19331A 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 #19331A looks like.

```
.text, #text, p{  
    color:#19331A  
}
```

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 #19331A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #19331A
}
```

## Border

The CSS property to change the border of an element to Hex 19331A 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".

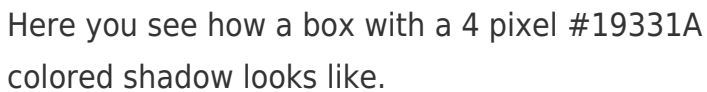
```
.border, #border, table{ border:4px solid
#19331A }
```

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

```
.border{ border-color:#19331A }
```

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

Here you see how a box with a 4 pixel #19331A 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 #19331A; -webkit-box-shadow:4px 4px  
4px 4px #19331A; box-shadow:4px 4px 4px  
4px #19331A }
```

# Background

The CSS property to change the background color of an element to Hex 19331A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#19331A }
```

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

```
.background{ background-color:#19331A }
```

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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