

# Converting Colors

Hex(199B2B)

Have a look what the booklet for  
Hex(199B2B) contains.

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**Color**

**Hex(199B2B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	199B2B
RGB	25, 155, 43
RGB Percent	10%, 61%, 17%
CMY	0.9020, 0.3922, 0.8314
CMYK	0.84, 0.00, 0.72, 0.39
HSL	128°, 72%, 35%
HSV	128°, 84%, 61%
XYZ	12.5583, 23.8238, 6.2221
YIQ	103.3620, -41.5280, -62.3920

# Conversions

## Conversions Part 2

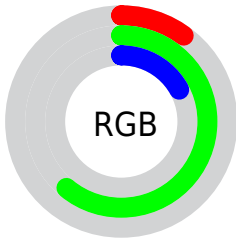
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 139, 155
Decimal	1678123
CIE <sub>Lab</sub>	55.91, -55.30, 46.95
CIE <sub>LCh</sub>	56, 72.540, 139.667
Yxy	23.8238, 0.2948, 0.5592
Android (android.graphics.Color)	4279868203 (0xFF199B2B)
YUV	103.3620, -29.7585, -68.7235
Hunter-Lab	48.8096, -39.4903, 26.6087

# Details

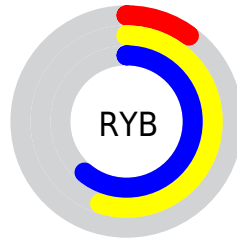
The Hex color **199B2B** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9B1989**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **60D35F**, and **006600** is the 20% darker color. If you saturate the color by 10%, you get **099B1E**, and if you desaturate by 10%, it is **289B38**.

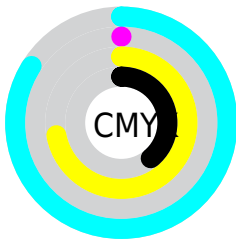
# Distribution



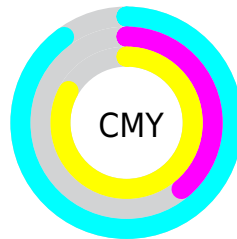
- Red (10%)
- Green (61%)
- Blue (17%)



- Red (10%)
- Yellow (55%)
- Blue (61%)



- Cyan (84%)
- Magenta (0%)
- Yellow (72%)
- Black (39%)



- Cyan (90%)
- Magenta (39%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 199B2B 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 199B2B by changing the saturation by 10% instead.



 199B2B

 199B2B

FFFFFF

 00800C

 60D35F

 006600

 7EEF79

 004D00

 9BFF94

 003500

 B8FFB0

 001D00

 D6FFCC

 000000

 F4FFE9

 199B2B

 199B2B

 099B1E

 289B38

 009B15

 389B46

 489B53

 579B60

 669B6E

 769B7B

 859B88

 959B96

 A49BA3

# Harmonies

## Analogous

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



7A8F00



199B2B



00A16D

# Triad

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



199B2B



0094FF



F44260

# Complementary

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



199B2B



9B1989

# 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.



EA419F



199B2B



4C7FFE

# Square

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



199B2B



009FE6



BB60D9



DE5F24

# Rectangle

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



199B2B



00A299



BB60D9



F43C74



# Sweetspot

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



199B2B



97C99E



8A9B19



47664C



E6E6E6



666666



# Same Dimension

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



199B2B



00C91C



199B6B



454D46



008C13



000D02



# Inverse Universe

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



9B1989



C900AE



9B1949



4D454B



8C0079

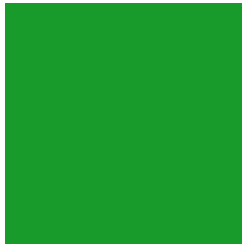


0D000B



# Previews

## White Background



This preview shows how the Hex color 199B2B looks on a white background.

## Color Contrast Check

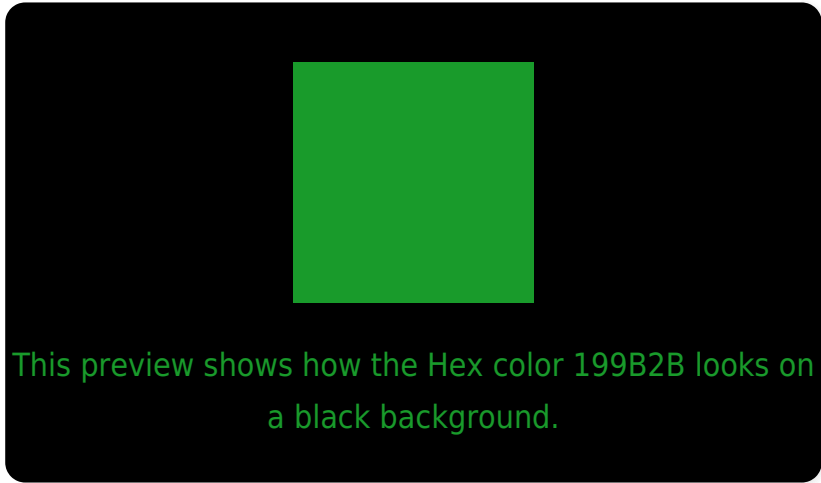
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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 × Fail

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



## Hex 199B2B Background



This preview shows how black text looks on a background with the Hex color 199B2B.

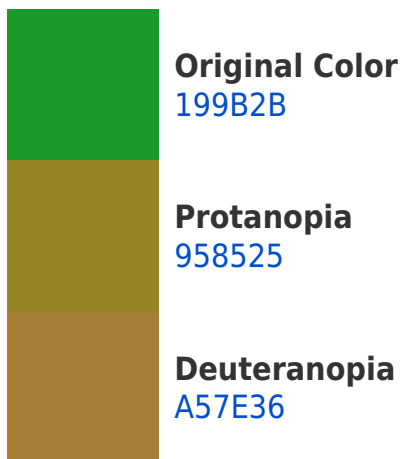



This preview shows how white text looks on a background with the Hex color 199B2B.

# 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





**Tritanopia**  
43919C

# Trichromacy



**Original Color**

199B2B



**Protanomaly**

688D27



**Deuteranomaly**

728932



**Tritanomaly**

349573

# Monochromacy



**Original Color**

199B2B



**Achromatopsia**

676767



**Achromatomaly**

4B7A51

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 199B2B 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 #199B2B looks like.

```
.text, #text, p{  
    color:#199B2B  
}
```

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 #199B2B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #199B2B
}
```

## Border

The CSS property to change the border of an element to Hex 199B2B 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
#199B2B }
```

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

```
.border{ border-color:#199B2B }
```

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

Here you see how a box with a 4 pixel #199B2B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #199B2B; -webkit-box-shadow:4px 4px  
4px 4px #199B2B; box-shadow:4px 4px 4px  
4px #199B2B }
```

# Background

The CSS property to change the background color of an element to Hex 199B2B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#199B2B }
```

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

```
.background{ background-color:#199B2B }
```

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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