

# Converting Colors

Hex(198D51)

Have a look what the booklet for  
Hex(198D51) contains.

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# Color

**Hex(198D51)**

# Conversions

## Conversions Part 1

Format	Color
Hex	198D51
RGB	25, 141, 81
RGB Percent	10%, 55%, 32%
CMY	0.9020, 0.4471, 0.6824
CMYK	0.82, 0.00, 0.43, 0.45
HSL	149°, 70%, 33%
HSV	149°, 82%, 55%
XYZ	11.4110, 19.8505, 11.0147
YIQ	99.4760, -49.8760, -43.2520

# Conversions

## Conversions Part 2

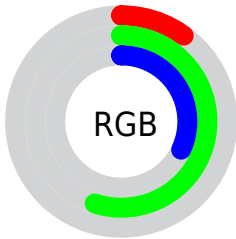
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 103, 141
Decimal	1674577
CIE <sub>Lab</sub>	51.67, -45.01, 23.48
CIE <sub>LCh</sub>	52, 50.767, 152.453
Yxy	19.8505, 0.2699, 0.4695
Android (android.graphics.Color)	4279864657 (0xFF198D51)
YUV	99.4760, -9.1087, -65.3155
Hunter-Lab	44.5539, -32.2526, 16.5300

# Details

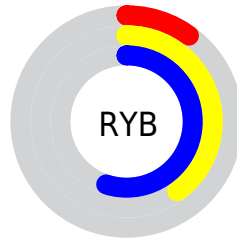
The Hex color **198D51** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8D1955**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **5BC483**, and **005923** is the 20% darker color. If you saturate the color by 10%, you get **0B8D4A**, and if you desaturate by 10%, it is **278D58**.

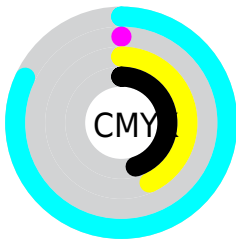
# Distribution



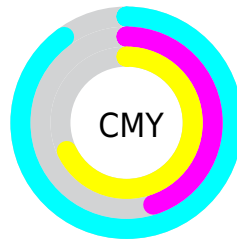
- Red (10%)
- Green (55%)
- Blue (32%)



- Red (10%)
- Yellow (40%)
- Blue (55%)



- Cyan (82%)
- Magenta (0%)
- Yellow (43%)
- Black (45%)



- Cyan (90%)
- Magenta (45%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 198D51 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 198D51 by changing the saturation by 10% instead.



 198D51

 198D51

FFFFFF

 007339

 5BC483

 005923

 77E09D

 00410D

 94FDB8

 002B00

 B0FFD4

 000B00

 CDFFF1

 000000

 EBFFFF

 198D51

 198D51

 0B8D4A

 278D58

■ 008D44

■ 358D60

■ 438D67

■ 518D6E

■ 608D75

■ 6E8D7D

■ 7C8D84

■ 8A8D8B

■ 988D93

# Harmonies

## Analogous

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



62862C



198D51



00907E

# Triad

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



198D51



067FD2



C7594F

# Complementary

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



198D51



8D1955

# 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.



C95279



198D51



816EC5

# Square

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



198D51



008AC8



B35CA4



B16A2C

# Rectangle

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



198D51



00909B



B35CA4



CA555D



# Sweetspot

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



198D51



8AB8A0



578D19



405C4E



DBDBDB



5C5C5C



# Same Dimension

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



198D51



02B85A



198D89



404744



008741



000804



# Inverse Universe

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



8D1955



B80260



8D191D



474044



870046



080004



# Previews

## White Background



This preview shows how the Hex color 198D51 looks on a white background.

## Color Contrast Check

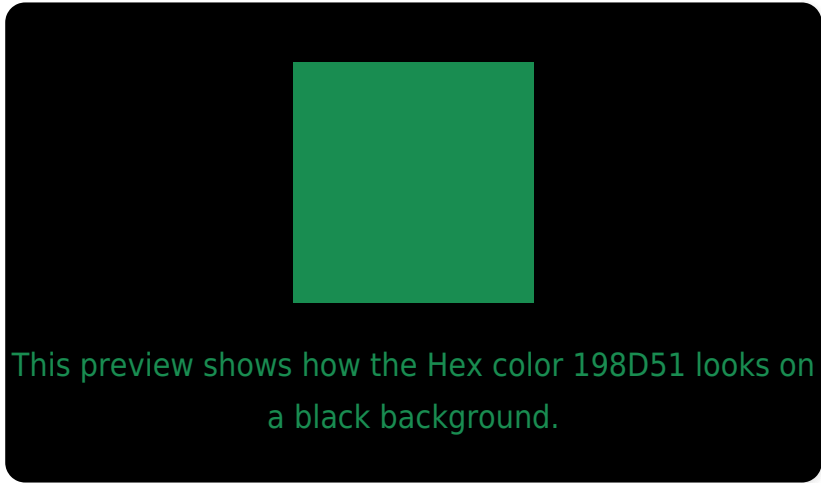
Large Text (above 18pt) WCAG AA ✓ Pass

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

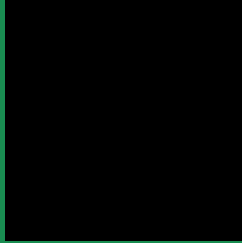
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 198D51 Background



This preview shows how black text looks on a background with the Hex color 198D51.



This preview shows how white text looks on a background with the Hex color 198D51.

# 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**  
388690

# Trichromacy



**Original Color**  
198D51



**Protanomaly**  
5E814D



**Deuteranomaly**  
667E55



**Tritanomaly**  
2D8979

# Monochromacy



**Original Color**  
198D51



**Achromatopsia**  
636363



**Achromatomaly**  
48725C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 198D51 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 #198D51 looks like.

```
.text, #text, p{  
    color:#198D51  
}
```

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 #198D51 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #198D51
}
```

## Border

The CSS property to change the border of an element to Hex 198D51 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".

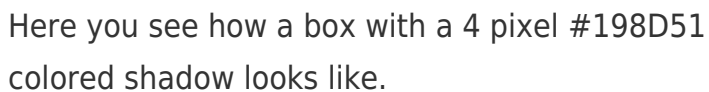
```
.border, #border, table{ border:4px solid
#198D51 }
```

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

```
.border{ border-color:#198D51 }
```

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

Here you see how a box with a 4 pixel #198D51 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #198D51; -webkit-box-shadow:4px 4px  
4px 4px #198D51; box-shadow:4px 4px 4px  
4px #198D51 }
```

# Background

The CSS property to change the background color of an element to Hex 198D51 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#198D51 }
```

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

```
.background{ background-color:#198D51 }
```

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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