

# Converting Colors

Hex(196B0B)

Have a look what the booklet for  
Hex(196B0B) contains.

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**Color**

**Hex(196B0B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	196B0B
RGB	25, 107, 11
RGB Percent	10%, 42%, 4%
CMY	0.9020, 0.5804, 0.9569
CMYK	0.77, 0.00, 0.90, 0.58
HSL	111°, 81%, 23%
HSV	111°, 90%, 42%
XYZ	5.7190, 10.7462, 2.0894
YIQ	71.5380, -18.0560, -47.2400

# Conversions

## Conversions Part 2

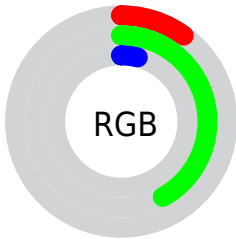
<b>Format</b>	<b>Color</b>
<b>RYB</b>	11, 107, 93
Decimal	1665803
CIELab	39.15, -41.79, 41.54
CIELCh	39, 58.921, 135.169
Yxy	10.7462, 0.3082, 0.5792
Android (android.graphics.Color)	4279855883 (0xFF196B0B)
YUV	71.5380, -29.8452, -40.8138
Hunter-Lab	32.7814, -26.2267, 19.1680

# Details

The Hex color **196B0B** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5D0B6B**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **549F41**, and **003A00** is the 20% darker color. If you saturate the color by 10%, you get **106B00**, and if you desaturate by 10%, it is **226B16**.

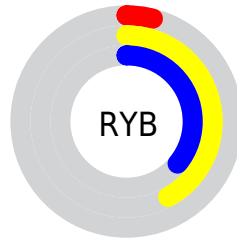
# Distribution



Red (10%)

Green (42%)

Blue (4%)



Red (4%)

Yellow (42%)

Blue (36%)

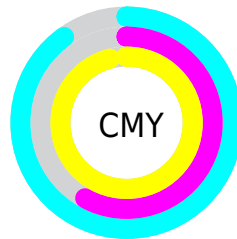


Cyan (77%)

Magenta (0%)

Yellow (90%)

Black (58%)



Cyan (90%)

Magenta (58%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 196B0B 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 196B0B by changing the saturation by 10% instead.



 196B0B

 196B0B

FFFFFFE

 005200

 549F41

 003A00

 70BB5A

 002600

 8BD774

 000000

 A7F38E

 C3FFA9

 E0FFC5

 FEFFE1

 196B0B

 196B0B

■ 106B00

■ 226B16

■ 2B6B20

■ 346B2B

■ 3E6B36

■ 476B41

■ 506B4B

■ 596B56

■ 626B61

■ 6B6B6B

# Harmonies

## Analogous

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



5A6200



196B0B



007042

# Triad

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



196B0B



0069BA



AF2246

# Complementary

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



196B0B



5D0B6B

# 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.



A52776



196B0B



005ABA

# Square

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



196B0B



006FA0



7B42A1



A23A18

# Rectangle

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



196B0B



007163



7B42A1



AF1F56



# Sweetspot

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



196B0B



6C8C66



6B5D0B



344731



C7C7C7



474747



# Same Dimension

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



196B0B



148C00



0B6B2D



313630



117500



24F500



# Inverse Universe

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



5D0B6B



78008C



6B0B49



353036



640075

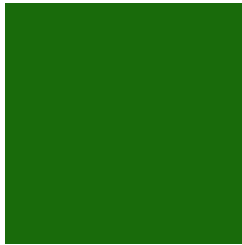


D100F5



# Previews

## White Background



This preview shows how the Hex color 196B0B looks on a white background.

## Color Contrast Check

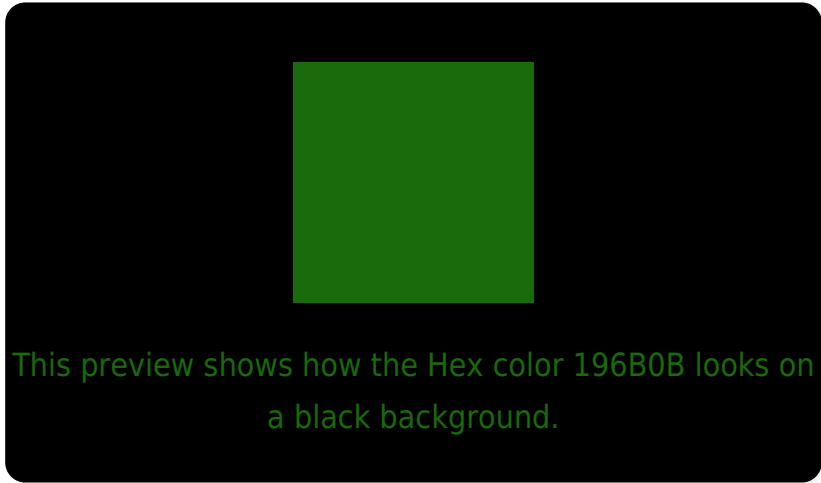
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

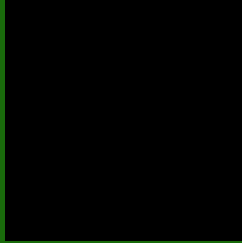
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 196B0B Background



This preview shows how black text looks on a background with the Hex color 196B0B.



This preview shows how white text looks on a background with the Hex color 196B0B.

# 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**  
196B0B

**Protanopia**  
685C03

**Deuteranopia**  
735719



**Tritanopia**  
32646C

# Trichromacy



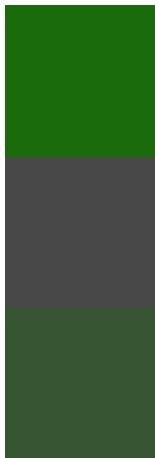
**Original Color**  
196B0B

**Protanomaly**  
4B6106

**Deuteranomaly**  
525E14

**Tritanomaly**  
296749

# Monochromacy



**Original Color**  
196B0B

**Achromatopsia**  
484848

**Achromatomaly**  
375532

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 196B0B 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 #196B0B looks like.

```
.text, #text, p{  
    color:#196B0B  
}
```

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 #196B0B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #196B0B
}
```

## Border

The CSS property to change the border of an element to Hex 196B0B 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
#196B0B }
```

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

```
.border{ border-color:#196B0B }
```

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

Here you see how a box with a 4 pixel #196B0B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #196B0B; -webkit-box-shadow:4px 4px  
4px 4px #196B0B; box-shadow:4px 4px 4px  
4px #196B0B }
```

# Background

The CSS property to change the background color of an element to Hex 196B0B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#196B0B }
```

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

```
.background{ background-color:#196B0B }
```

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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