

# Converting Colors

Hex(196D21)

Have a look what the booklet for  
Hex(196D21) contains.

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**Color**

**Hex(196D21)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 196D21                      |
| RGB         | 25, 109, 33                 |
| RGB Percent | 10%, 43%, 13%               |
| CMY         | 0.9020, 0.5725, 0.8706      |
| CMYK        | 0.77, 0.00, 0.70, 0.57      |
| HSL         | 126°, 63%, 26%              |
| HSV         | 126°, 77%, 43%              |
| XYZ         | 6.1441, 11.2538, 3.2872     |
| YIQ         | 75.2200, -25.6680, -41.4440 |

# Conversions

## Conversions Part 2

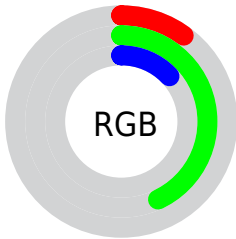
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 25, 102, 109                   |
| Decimal                             | 1666337                        |
| CIE <sub>Lab</sub>                  | 40.00, -40.73, 34.28           |
| CIE <sub>LCh</sub>                  | 40, 53.240, 139.913            |
| Yxy                                 | 11.2538, 0.2970,<br>0.5441     |
| Android<br>(android.graphics.Color) | 4279856417<br>(0xFF196D21)     |
| YUV                                 | 75.2200, -20.8145,<br>-44.0429 |
| Hunter-Lab                          | 33.5466, -26.0143,<br>17.6728  |

# Details

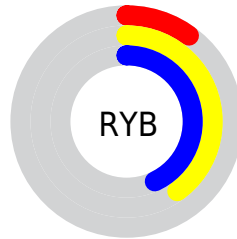
The Hex color **196D21** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6D1965**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **54A151**, and **003C00** is the 20% darker color. If you saturate the color by 10%, you get **0E6D17**, and if you desaturate by 10%, it is **246D2B**.

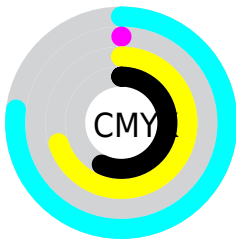
# Distribution



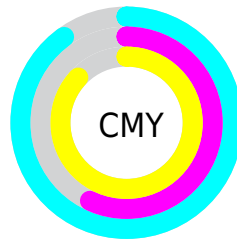
- Red (10%)
- Green (43%)
- Blue (13%)



- Red (10%)
- Yellow (40%)
- Blue (43%)



- Cyan (77%)
- Magenta (0%)
- Yellow (70%)
- Black (57%)



- Cyan (90%)
- Magenta (57%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 196D21 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 196D21 by changing the saturation by 10% instead.



 196D21

 196D21

FFFFFF

 005407

 54A151

 003C00

 6FBD6A

 002700

 8AD984

 000000

 A6F69F

 C2FFBA

 DFFFD6

 FCFFF3

 196D21

 196D21

■ 0E6D17

■ 246D2B

■ 036D0D

■ 2F6D35

■ 006D0A

■ 3A6D3F

■ 456D48

■ 4F6D52

■ 5A6D5C

■ 656D66

■ 706D70

■ 7B6D7A

# Harmonies

## Analogous

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



576500



196D21



00714E

# Triad

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



196D21



0068B4



AA3243

# Complementary

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



196D21



6D1965

# 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.



A4316F



196D21



3B59B1

# Square

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



196D21



006FA0



834497



9C441B

# Rectangle

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



196D21



00726C



834497



AB2F52



# Sweetspot

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



196D21



6E8F71



666D19



334735



C7C7C7



474747



# Same Dimension

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



196D21



0B8F18



196D4A



303631



00750B



00F517



# Inverse Universe

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



6D1965



8F0B82



6D193C



363035



75006A

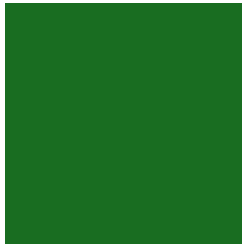


F500DD



# Previews

## White Background



This preview shows how the Hex color 196D21 looks on a white background.

## Color Contrast Check

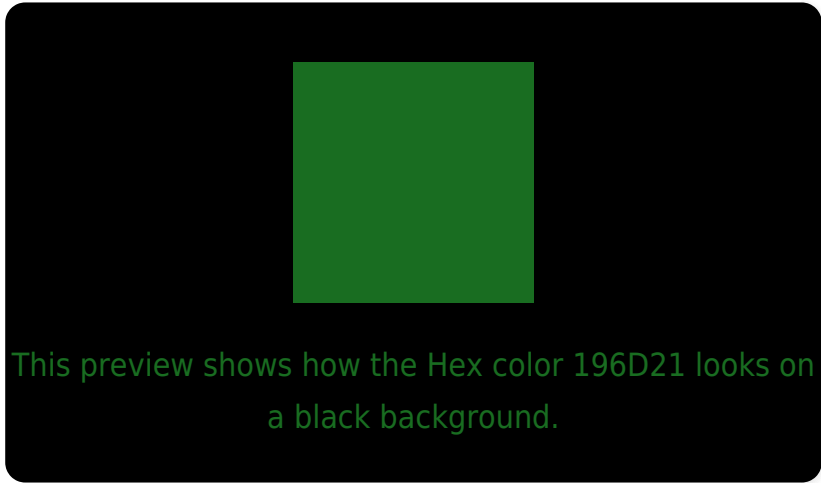
Large Text (above 18pt) WCAG AA ✓ Pass

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 196D21 Background



This preview shows how black text looks on a background with the Hex color 196D21.



This preview shows how white text looks on a background with the Hex color 196D21.

# 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**  
196D21

**Protanopia**  
695E1D

**Deuteranopia**  
755928



**Tritanopia**  
32666E

# Trichromacy



**Original Color**  
196D21



**Protanomaly**  
4C631E



**Deuteranomaly**  
546025



**Tritanomaly**  
296952

# Monochromacy



**Original Color**  
196D21



**Achromatopsia**  
4B4B4B



**Achromatomaly**  
39573C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 196D21 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 #196D21 looks like.

```
.text, #text, p{  
    color:#196D21  
}
```

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 #196D21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #196D21
}
```

## Border

The CSS property to change the border of an element to Hex 196D21 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
#196D21 }
```

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

```
.border{ border-color:#196D21 }
```

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

Here you see how a box with a 4 pixel #196D21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #196D21; -webkit-box-shadow:4px 4px  
4px 4px #196D21; box-shadow:4px 4px 4px  
4px #196D21 }
```

# Background

The CSS property to change the background color of an element to Hex 196D21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#196D21 }
```

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

```
.background{ background-color:#196D21 }
```

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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