

# Converting Colors

Hex(195D16)

Have a look what the booklet for  
Hex(195D16) contains.

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# Color

**Hex(195D16)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	195D16
RGB	25, 93, 22
RGB Percent	10%, 36%, 9%
CMY	0.9020, 0.6353, 0.9137
CMYK	0.73, 0.00, 0.76, 0.64
HSL	117°, 62%, 23%
HSV	117°, 76%, 36%
XYZ	4.4601, 8.0933, 2.0862
YIQ	64.5740, -17.7370, -36.4970

# Conversions

## Conversions Part 2

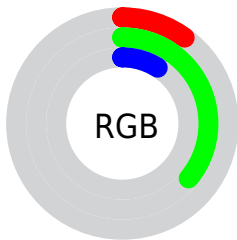
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 93, 90
Decimal	1662230
CIE <sub>Lab</sub>	34.18, -35.93, 32.99
CIE <sub>LCh</sub>	34, 48.783, 137.441
Yxy	8.0933, 0.3047, 0.5528
Android (android.graphics.Color)	4279852310 (0xFF195D16)
YUV	64.5740, -20.9890, -34.7064
Hunter-Lab	28.4487, -21.8008, 15.5664

# Details

The Hex color **195D16** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5A165D**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **509046**, and **002E00** is the 20% darker color. If you saturate the color by 10%, you get **105D0D**, and if you desaturate by 10%, it is **225D1F**.

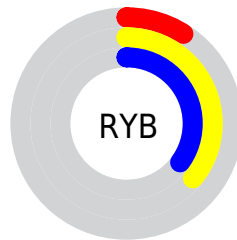
# Distribution



Red (10%)

Green (36%)

Blue (9%)



Red (9%)

Yellow (36%)

Blue (35%)

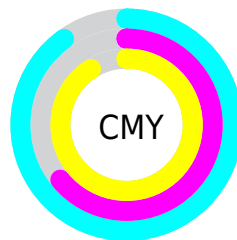


Cyan (73%)

Magenta (0%)

Yellow (76%)

Black (64%)



Cyan (90%)

Magenta (64%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 195D16 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 195D16 by changing the saturation by 10% instead.



 195D16

 195D16

FFFFFF

 004500

 509046

 002E00

 6AAB5E

 001700

 85C778

 000000

 A0E392

 BCFFAD

 D9FFC9

 F6FFE5

 195D16

 195D16

■ 105D0D

■ 225D1F

■ 075D03

■ 2B5D29

■ 045D00

■ 345D32

■ 3D5D3B

■ 465D44

■ 4E5D4E

■ 575D57

■ 605D60

■ 695D6A

# Harmonies

## Analogous

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



4D5500



195D16



00613E

# Triad

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



195D16



005A9C



94273C

# Complementary

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



195D16



5A165D

# 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.



8D2862



195D16



264D9B

# Square

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



195D16



006089



6E3B85



893717

# Rectangle

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



195D16



006259



6E3B85



942548



# Sweetspot

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



195D16



5D785C



5D5916



2D3D2C



BDBDBD



3D3D3D



# Same Dimension

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



195D16



0E780A



165D36



2A2E29



056E00



0AED00



# Inverse Universe

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



5A165D



730A78



5D163D



2E292E



69006E



E300ED



# Previews

## White Background



This preview shows how the Hex color 195D16 looks on a white background.

## Color Contrast Check

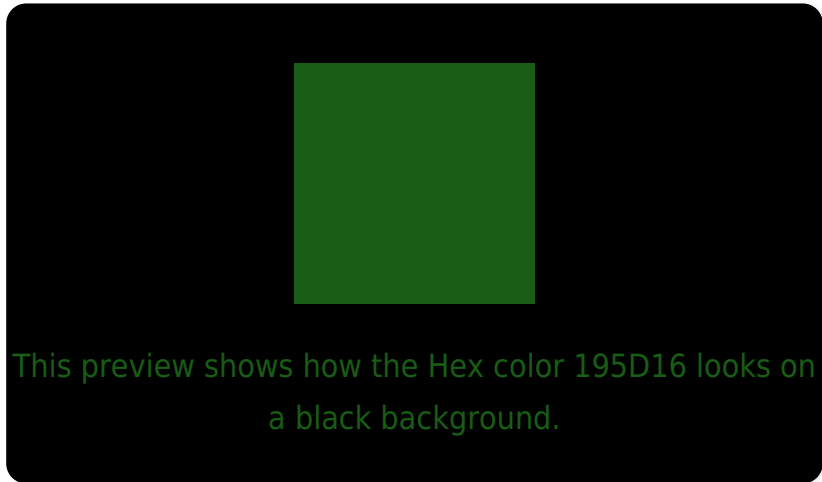
Large Text (above 18pt) WCAG AA ✓ Pass

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

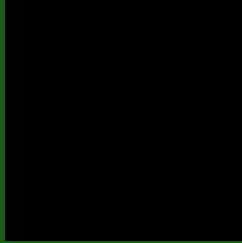
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 195D16 Background



This preview shows how black text looks on a background with the Hex color 195D16.



This preview shows how white text looks on a background with the Hex color 195D16.

# 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**  
195D16

**Protanopia**  
5A5013

**Deuteranopia**  
644C1D



**Tritanopia**  
2D575E

# Trichromacy



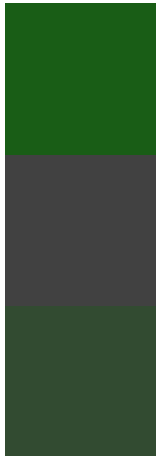
**Original Color**  
195D16

**Protanomaly**  
425514

**Deuteranomaly**  
49521A

**Tritanomaly**  
265944

# Monochromacy



**Original Color**  
195D16

**Achromatopsia**  
414141

**Achromatomaly**  
324B31

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 195D16 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 #195D16 looks like.

```
.text, #text, p{  
    color:#195D16  
}
```

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 #195D16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #195D16
}
```

## Border

The CSS property to change the border of an element to Hex 195D16 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".

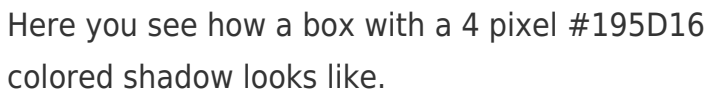
```
.border, #border, table{ border:4px solid
#195D16 }
```

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

```
.border{ border-color:#195D16 }
```

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

Here you see how a box with a 4 pixel #195D16 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 #195D16; -webkit-box-shadow:4px 4px  
4px 4px #195D16; box-shadow:4px 4px 4px  
4px #195D16 }
```

# Background

The CSS property to change the background color of an element to Hex 195D16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#195D16 }
```

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

```
.background{ background-color:#195D16 }
```

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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