

# Converting Colors

Hex(195B21)

Have a look what the booklet for  
Hex(195B21) contains.

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# Color

**Hex(195B21)**

# Conversions

## Conversions Part 1

Format	Color
Hex	195B21
RGB	25, 91, 33
RGB Percent	10%, 36%, 13%
CMY	0.9020, 0.6431, 0.8706
CMYK	0.73, 0.00, 0.64, 0.64
HSL	127°, 57%, 23%
HSV	127°, 73%, 36%
XYZ	4.4165, 7.7986, 2.7114
YIQ	64.6540, -20.7180, -32.0300

# Conversions

## Conversions Part 2

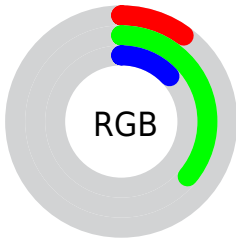
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	25, 84, 91
Decimal	1661729
CIE Lab	33.56, -33.86, 27.04
CIE LCh	34, 43.339, 141.389
Yxy	7.7986, 0.2959, 0.5225
Android (android.graphics.Color)	4279851809 (0xFF195B21)
YUV	64.6540, -15.6054, -34.7766
Hunter-Lab	27.9261, -20.6409, 13.7917

# Details

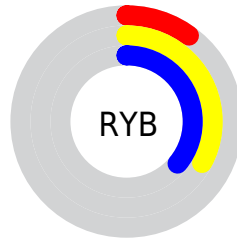
The Hex color **195B21** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5B1953**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **4F8E50**, and **002C00** is the 20% darker color. If you saturate the color by 10%, you get **105B19**, and if you desaturate by 10%, it is **225B29**.

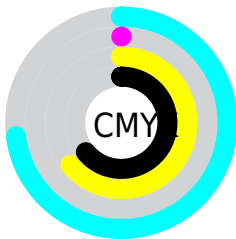
# Distribution



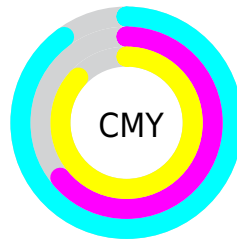
- Red (10%)
- Green (36%)
- Blue (13%)



- Red (10%)
- Yellow (33%)
- Blue (36%)



- Cyan (73%)
- Magenta (0%)
- Yellow (64%)
- Black (64%)



- Cyan (90%)
- Magenta (64%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 195B21 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 195B21 by changing the saturation by 10% instead.



 195B21

 195B21

FFFFFF

 00430A

 4F8E50

 002C00

 69A968

 001500

 83C482

 000000

 9FE09C

 BAFDB7

 D7FFD3

 F4FFEF

 195B21

 195B21

■ 105B19

■ 225B29

■ 075B11

■ 2B5B31

■ 005B0B

■ 345B39

■ 3D5B41

■ 465B49

■ 505B51

■ 595B59

■ 625B61

■ 6B5B69

# Harmonies

## Analogous

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



485502



195B21



005E44

# Triad

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



195B21



005693



8C2E38

# Complementary

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



195B21



5B1953

# 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.



872D5A



195B21



3A4A8F

# Square

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



195B21



005C84



6E3A7A



803B19

# Rectangle

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



195B21



005F5B



6E3A7A



8C2C43



# Sweetspot

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



195B21



5B755F



535B19



2B3B2D



BABABA



3B3B3B



# Same Dimension

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



195B21



0F751C



195B42



292E2A



006E0D



00ED1D



# Inverse Universe

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



5B1953



750F69



5B1932



2E292D



6E0060



ED00D0



# Previews

## White Background



This preview shows how the Hex color 195B21 looks on a white background.

## Color Contrast Check

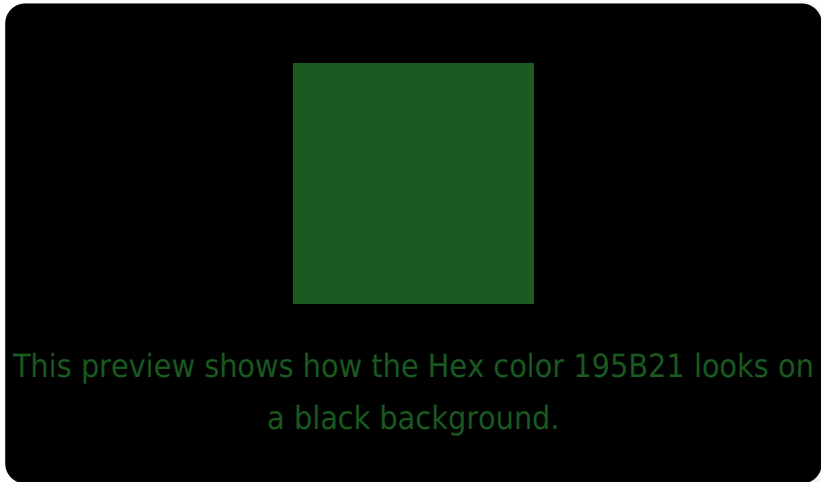
Large Text (above 18pt) WCAG AA ✓ Pass

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

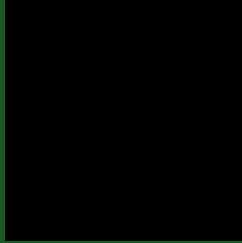
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 195B21 Background



This preview shows how black text looks on a background with the Hex color 195B21.



This preview shows how white text looks on a background with the Hex color 195B21.

# 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](#).

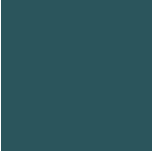
## Dichromacy



**Original Color**  
195B21

**Protanopia**  
584F1E

**Deuteranopia**  
614B26



**Tritanopia**  
2B555C

# Trichromacy



**Original Color**  
195B21

**Protanomaly**  
41531F

**Deuteranomaly**  
475124

**Tritanomaly**  
245747

# Monochromacy



**Original Color**  
195B21

**Achromatopsia**  
414141

**Achromatomaly**  
324A35

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 195B21 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 #195B21 looks like.

```
.text, #text, p{  
    color:#195B21  
}
```

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 #195B21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #195B21
}
```

## Border

The CSS property to change the border of an element to Hex 195B21 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
#195B21 }
```

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

```
.border{ border-color:#195B21 }
```

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

Here you see how a box with a 4 pixel #195B21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #195B21; -webkit-box-shadow:4px 4px  
4px 4px #195B21; box-shadow:4px 4px 4px  
4px #195B21 }
```

# Background

The CSS property to change the background color of an element to Hex 195B21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#195B21 }
```

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

```
.background{ background-color:#195B21 }
```

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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