

# Converting Colors

Hex(177B21)

Have a look what the booklet for  
Hex(177B21) contains.

<b>Hex(177B21)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(177B21)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	177B21
RGB	23, 123, 33
RGB Percent	9%, 48%, 13%
CMY	0.9098, 0.5176, 0.8706
CMYK	0.81, 0.00, 0.73, 0.52
HSL	126°, 68%, 29%
HSV	126°, 81%, 48%
XYZ	7.7108, 14.4579, 3.8231
YIQ	82.8400, -30.7100, -49.1900

# Conversions

## Conversions Part 2

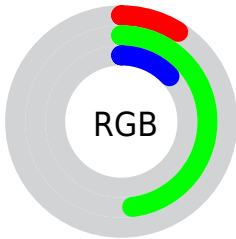
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 114, 123
Decimal	1538849
CIE <sub>Lab</sub>	44.88, -45.97, 39.48
CIE <sub>LCh</sub>	45, 60.599, 139.347
Yxy	14.4579, 0.2967, 0.5562
Android (android.graphics.Color)	4279728929 (0xFF177B21)
YUV	82.8400, -24.5711, -52.4797
Hunter-Lab	38.0235, -30.3430, 20.6551

# Details

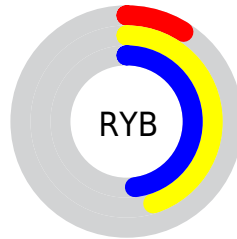
The Hex color **177B21** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7B1771**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **57B153**, and **004900** is the 20% darker color. If you saturate the color by 10%, you get **0B7B16**, and if you desaturate by 10%, it is **237B2C**.

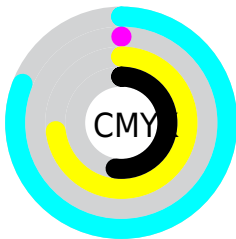
# Distribution



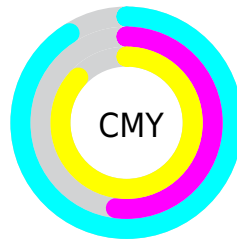
- Red (9%)
- Green (48%)
- Blue (13%)



- Red (9%)
- Yellow (45%)
- Blue (48%)



- Cyan (81%)
- Magenta (0%)
- Yellow (73%)
- Black (52%)



- Cyan (91%)
- Magenta (52%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 177B21 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 177B21 by changing the saturation by 10% instead.



 177B21

 177B21

FFFFFF

 006104

 57B153

 004900

 73CC6C

 003100

 8FE987

 001A00

 ABFFA1

 000000

 C8FFBD

 E5FFD9

 FFFFF6

 177B21

 177B21

■ 0B7B16

■ 237B2C

■ 007B0C

■ 307B37

■ 3C7B42

■ 487B4D

■ 557B58

■ 617B63

■ 6D7B6E

■ 797B7A

■ 867B85

# Harmonies

## Analogous

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



627200



177B21



008056

# Triad

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



177B21



0076CE



C2344C

# Complementary

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



177B21



7B1771

# 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.



BA347E



177B21



3B65CA

# Square

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



177B21



007EB6



944CAD



B14B1C

# Rectangle

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



177B21



008179



944CAD



C3305D



# Sweetspot

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



177B21



7AA17E



717B17



3A523C



D1D1D1



525252



# Same Dimension

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



177B21



03A113



177B53



373D38



007D0C



00FC19



# Inverse Universe

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



7B1771



A10391



7B173F



3D373D



7D0070

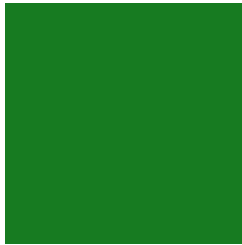


FC00E3



# Previews

## White Background



This preview shows how the Hex color 177B21 looks on a white background.

## Color Contrast Check

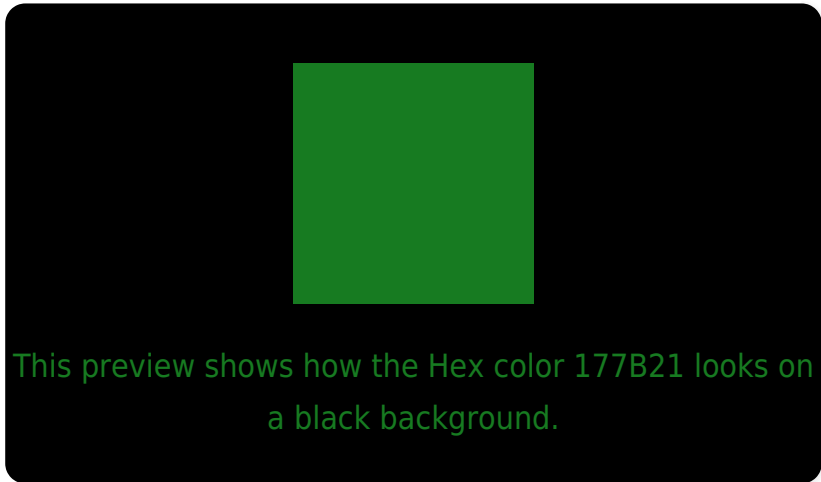
Large Text (above 18pt) WCAG AA ✓ Pass

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 177B21 Background



This preview shows how black text looks on a background with the Hex color 177B21.



This preview shows how white text looks on a background with the Hex color 177B21.

# 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**  
177B21

**Protanopia**  
776A1D

**Deuteranopia**  
83642A



**Tritanopia**  
36737C

# Trichromacy



**Original Color**  
177B21



**Protanomaly**  
54701E



**Deuteranomaly**  
5C6C27



**Tritanomaly**  
2B765B

# Monochromacy



**Original Color**  
177B21



**Achromatopsia**  
535353



**Achromatomaly**  
3D6241

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 177B21 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 #177B21 looks like.

```
.text, #text, p{  
    color:#177B21  
}
```

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 #177B21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #177B21
}
```

## Border

The CSS property to change the border of an element to Hex 177B21 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
#177B21 }
```

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

```
.border{ border-color:#177B21 }
```

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

Here you see how a box with a 4 pixel #177B21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #177B21; -webkit-box-shadow:4px 4px  
4px 4px #177B21; box-shadow:4px 4px 4px  
4px #177B21 }
```

# Background

The CSS property to change the background color of an element to Hex 177B21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#177B21 }
```

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

```
.background{ background-color:#177B21 }
```

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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