

# Converting Colors

Hex(178C00)

Have a look what the booklet for  
Hex(178C00) contains.

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**Color**

**Hex(178C00)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	178C00
RGB	23, 140, 0
RGB Percent	9%, 55%, 0%
CMY	0.9098, 0.4510, 1.0000
CMYK	0.84, 0.00, 1.00, 0.45
HSL	110°, 100%, 27%
HSV	110°, 100%, 55%
XYZ	9.7314, 18.9383, 3.1426
YIQ	89.0570, -24.7920, -68.3440

# Conversions

## Conversions Part 2

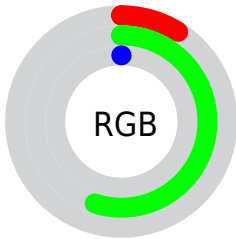
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 140, 117
Decimal	1543168
CIELab	50.61, -53.22, 53.50
CIELCh	51, 75.468, 134.849
Yxy	18.9383, 0.3059, 0.5953
Android (android.graphics.Color)	4279733248 (0xFF178C00)
YUV	89.0570, -43.9051, -57.9320
Hunter-Lab	43.5182, -36.2411, 26.1812

# Details

The Hex color **178C00** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **75008C**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **5DC343**, and **005800** is the 20% darker color. If you saturate the color by 10%, you get **178C00**, and if you desaturate by 10%, it is **238C0E**.

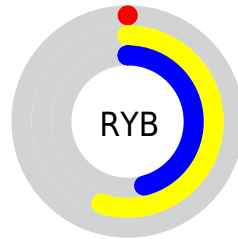
# Distribution



Red (9%)

Green (55%)

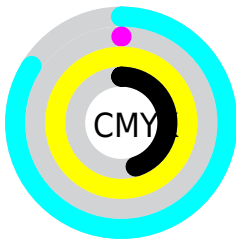
Blue (0%)



Red (0%)

Yellow (55%)

Blue (46%)

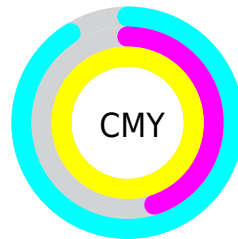


Cyan (84%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (91%)

Magenta (45%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 178C00 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 178C00 by changing the saturation by 10% instead.



 178C00

 178C00


FFFFFF

 007200

 5DC343

 005800

 7ADF5D

 004000

 97FC78

 002900

 B4FF93

 000400

 D2FFAF

 000000

 EFFFEB

 FFFFEB

 178C00

 238C0E

 2E8C1C

 3A8C2A

 468C38

 528C46

 5D8C54

 698C62

 758C70

 808C7E

# Harmonies

## Analogous

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



758000



178C00



009254

# Triad

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



178C00



0089F6



E7225C

# Complementary

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



178C00



75008C

# 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.



D92C9C



178C00



0076F7

# Square

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



178C00



0092D3



A155D5



D5481C

# Rectangle

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



178C00



009482



A155D5



E61D71



# Sweetspot

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



178C00



88B57F



8C7500



405C3B



DBDBDB



5C5C5C



# Same Dimension

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



178C00



1EB500



008C2F



3F453E



168500



010500



# Inverse Universe

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



75008C



9700B5



8C005D



443E45



6F0085

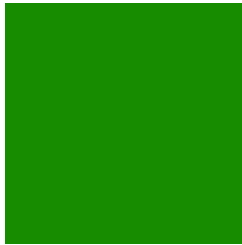


040005



# Previews

## White Background



This preview shows how the Hex color 178C00 looks on a white background.

## Color Contrast Check

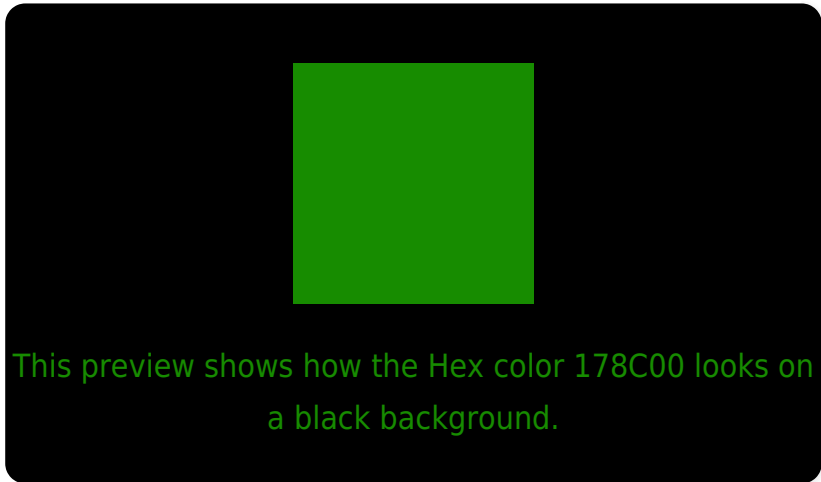
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

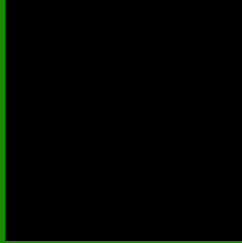
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 178C00 Background



This preview shows how black text looks on a background with the Hex color 178C00.



This preview shows how white text looks on a background with the Hex color 178C00.

# 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**  
178C00

**Protanopia**  
877800

**Deuteranopia**  
97721E



**Tritanopia**  
3E828D

# Trichromacy



**Original Color**

178C00



**Protanomaly**

5E7F00



**Deuteranomaly**

687B13



**Tritanomaly**

30865A

# Monochromacy



**Original Color**

178C00



**Achromatopsia**

595959



**Achromatomaly**

416C39

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 178C00 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 #178C00 looks like.

```
.text, #text, p{  
    color:#178C00  
}
```

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 #178C00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #178C00
}
```

## Border

The CSS property to change the border of an element to Hex 178C00 is called "border". The border property can be set on classes, ids or directly on the HTML element.

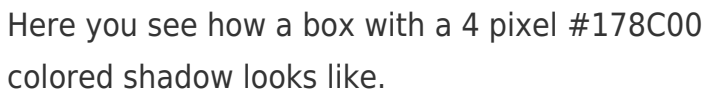
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#178C00 }
```

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

```
.border{ border-color:#178C00 }
```

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



Here you see how a box with a 4 pixel #178C00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #178C00; -webkit-box-shadow:4px 4px  
4px 4px #178C00; box-shadow:4px 4px 4px  
4px #178C00 }
```

# Background

The CSS property to change the background color of an element to Hex 178C00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#178C00 }
```

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

```
.background{ background-color:#178C00 }
```

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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