

# Converting Colors

Hex(159B30)

Have a look what the booklet for  
Hex(159B30) contains.

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**Color**

**Hex(159B30)**

# Conversions

## Conversions Part 1

Format	Color
Hex	159B30
RGB	21, 155, 48
RGB Percent	8%, 61%, 19%
CMY	0.9176, 0.3922, 0.8118
CMYK	0.86, 0.00, 0.69, 0.39
HSL	132°, 76%, 35%
HSV	132°, 86%, 61%
XYZ	12.5641, 23.8155, 6.7310
YIQ	102.7360, -45.5170, -61.6850

# Conversions

## Conversions Part 2

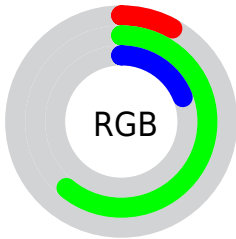
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 133, 155
Decimal	1415984
CIE <sub>Lab</sub>	55.90, -55.22, 44.89
CIE <sub>LCh</sub>	56, 71.166, 140.893
Yxy	23.8155, 0.2914, 0.5524
Android (android.graphics.Color)	4279606064 (0xFF159B30)
YUV	102.7360, -26.9848, -71.6825
Hunter-Lab	48.8011, -39.4463, 25.9831

# Details

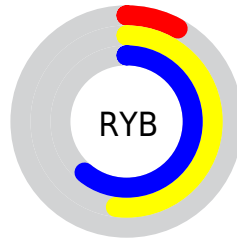
The Hex color **159B30** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9B1580**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **5ED363**, and **006600** is the 20% darker color. If you saturate the color by 10%, you get **069B24**, and if you desaturate by 10%, it is **259B3C**.

# Distribution



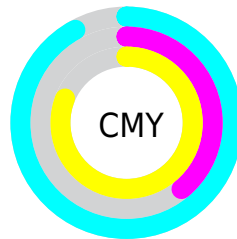
- Red (8%)
- Green (61%)
- Blue (19%)



- Red (8%)
- Yellow (52%)
- Blue (61%)



- Cyan (86%)
- Magenta (0%)
- Yellow (69%)
- Black (39%)



- Cyan (92%)
- Magenta (39%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 159B30 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 159B30 by changing the saturation by 10% instead.



 159B30

 159B30

FFFFFF

 008014

 5ED363

 006600

 7CEF7E

 004D00

 99FF99

 003500

 B7FFB4

 001D00

 D4FFD0

 000000

 F2FFED

 159B30

 159B30

 069B24

 259B3C

■ 009B1F

■ 349B49

■ 449B55

■ 539B62

■ 639B6E

■ 729B7A

■ 829B87

■ 919B93

■ A19B9F

# Harmonies

## Analogous

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



789000



159B30



00A070

# Triad

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



159B30



0093FF



F1455E

# Complementary

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



159B30



9B1580

# 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.



EA439C



159B30



567EFB

# Square

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



159B30



009EE5



BD5FD5



DC6123

# Rectangle

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



159B30



00A29C



BD5FD5



F34072



# Sweetspot

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



159B30



95C9A0



809B15



46664D



E6E6E6



666666



# Same Dimension

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



159B30



00C929



159B73



454D46



008C1C



000D03



# Inverse Universe

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



9B1580



C900A1



9B153D



4D454B



8C0070



0D000A



# Previews

## White Background



This preview shows how the Hex color 159B30 looks on a white background.

## Color Contrast Check

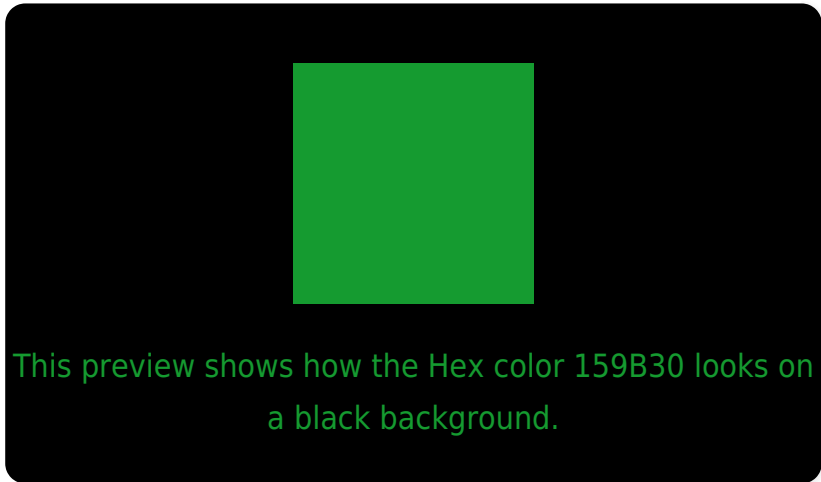
Large Text (above 18pt) WCAG AA ✓ Pass

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 159B30 Background



This preview shows how black text looks on a background with the Hex color 159B30.



This preview shows how white text looks on a background with the Hex color 159B30.

# 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**  
159B30

**Protanopia**  
95852A

**Deuteranopia**  
A57F3A



**Tritanopia**  
42919D

# Trichromacy



**Original Color**  
159B30



**Protanomaly**  
668D2C



**Deuteranomaly**  
718936



**Tritanomaly**  
329575

# Monochromacy



**Original Color**  
159B30



**Achromatopsia**  
676767



**Achromatomaly**  
497A53

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 159B30 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 #159B30 looks like.

```
.text, #text, p{  
    color:#159B30  
}
```

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 #159B30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #159B30
}
```

## Border

The CSS property to change the border of an element to Hex 159B30 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
#159B30 }
```

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

```
.border{ border-color:#159B30 }
```

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

Here you see how a box with a 4 pixel #159B30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #159B30; -webkit-box-shadow:4px 4px  
4px 4px #159B30; box-shadow:4px 4px 4px  
4px #159B30 }
```

# Background

The CSS property to change the background color of an element to Hex 159B30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#159B30 }
```

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

```
.background{ background-color:#159B30 }
```

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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