

# Converting Colors

Hex(157A3E)

Have a look what the booklet for  
Hex(157A3E) contains.

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# Color

Hex(157A3E)

# Conversions

## Conversions Part 1

Format	Color
Hex	157A3E
RGB	21, 122, 62
RGB Percent	8%, 48%, 24%
CMY	0.9176, 0.5216, 0.7569
CMYK	0.83, 0.00, 0.49, 0.52
HSL	144°, 71%, 28%
HSV	144°, 83%, 48%
XYZ	8.1383, 14.4263, 6.9130
YIQ	84.9610, -40.9360, -40.0720

# Conversions

## Conversions Part 2

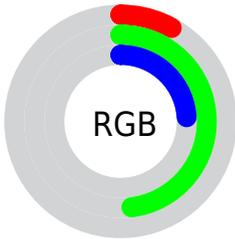
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	21, 93, 122
Decimal	1407550
CIE Lab	44.84, -41.86, 25.11
CIE LCh	45, 48.808, 149.043
Yxy	14.4263, 0.2761, 0.4894
Android (android.graphics.Color)	4279597630 (0xFF157A3E)
YUV	84.9610, -11.3198, -56.0938
Hunter-Lab	37.9820, -28.2217, 15.7961

# Details

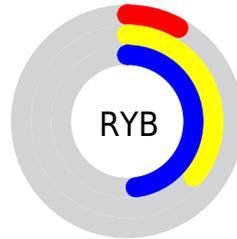
The Hex color **157A3E** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7A1551**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **54AF6F**, and **004811** is the 20% darker color. If you saturate the color by 10%, you get **097A37**, and if you desaturate by 10%, it is **217A45**.

# Distribution



- Red (8%)
- Green (48%)
- Blue (24%)



- Red (8%)
- Yellow (36%)
- Blue (48%)



- Cyan (83%)
- Magenta (0%)
- Yellow (49%)
- Black (52%)



- Cyan (92%)
- Magenta (52%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 157A3E 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 157A3E by changing the saturation by 10% instead.

 157A3E

 157A3E

FFFFFF

 006027

 54AF6F

 004811

 70CB88

 003000

 8BE8A3

 001A00

 A8FFBE

 000000

 C4FFDA

 E1FFF7

 157A3E

 157A3E

 097A37

 217A45

■ 007A32

■ 2D7A4C

■ 3A7A54

■ 467A5B

■ 527A62

■ 5E7A69

■ 6A7A71

■ 777A78

■ 837A7F

# Harmonies

## Analogous

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



57731B



157A3E



007D67

# Triad

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



157A3E



006FBC



B14845

# Complementary

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



157A3E



7A1551

# 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.



B1436D



157A3E



6760B2

# Square

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



157A3E



0079AF



9A4E95



9F5823

# Rectangle

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



157A3E



007D83



9A4E95



B34452

# Sweetspot

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



157A3E



779E87



527A15



374F41



CFCFCF



4F4F4F



# Same Dimension

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



157A3E



029E41



157A70



373D3A



007D33



00FC66



# Inverse Universe

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



7A1551



9E025F



7A151F



3D373B



7D004A

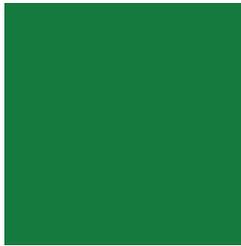


FC0096



# Previews

## White Background



This preview shows how the Hex color 157A3E looks on a white background.

## Color Contrast Check

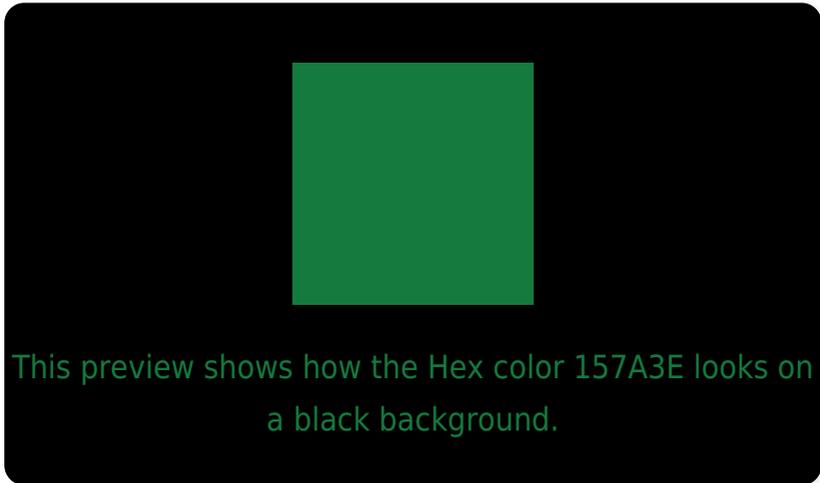
Large Text (above 18pt) WCAG AA ✓ Pass

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 157A3E Background



This preview shows how black text looks on a background with the Hex color 157A3E.



This preview shows how white text looks on a background with the Hex color 157A3E.

# 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**  
157A3E

**Protanopia**  
746A38

**Deuteranopia**  
7F6543



**Tritanopia**  
32737C

# Trichromacy



**Original Color**  
157A3E



**Protanomaly**  
51703A



**Deuteranomaly**  
586D41



**Tritanomaly**  
277665

# Monochromacy



**Original Color**  
157A3E



**Achromatopsia**  
555555



**Achromatomaly**  
3E624D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 157A3E 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 #157A3E looks like.

```
.text, #text, p{  
    color:#157A3E  
}
```

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 #157A3E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #157A3E
}
```

## Border

The CSS property to change the border of an element to Hex 157A3E 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
#157A3E }
```

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

```
.border{ border-color:#157A3E }
```

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

Here you see how a box with a 4 pixel #157A3E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #157A3E; -webkit-box-shadow:4px 4px  
4px 4px #157A3E; box-shadow:4px 4px 4px  
4px #157A3E }
```

# Background

The CSS property to change the background color of an element to Hex 157A3E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#157A3E }
```

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

```
.background{ background-color:#157A3E }
```

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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