

# Converting Colors

Hex(31795E)

Have a look what the booklet for  
Hex(31795E) contains.

<b>Hex(31795E)</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(31795E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31795E
RGB	49, 121, 94
RGB Percent	19%, 47%, 37%
CMY	0.8078, 0.5255, 0.6314
CMYK	0.60, 0.00, 0.22, 0.53
HSL	158°, 42%, 33%
HSV	158°, 60%, 47%
XYZ	10.1244, 15.1359, 12.9776
YIQ	96.3940, -34.2450, -23.6610

# Conversions

## Conversions Part 2

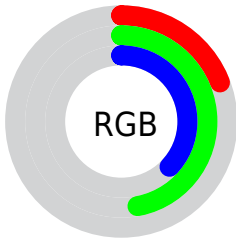
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 93, 121
Decimal	3242334
CIELab	45.82, -29.45, 8.16
CIElCh	46, 30.557, 164.511
Yxy	15.1359, 0.2648, 0.3958
Android (android.graphics.Color)	4281432414 (0xFF31795E)
YUV	96.3940, -1.1802, -41.5645
Hunter-Lab	38.9048, -21.6316, 7.4559




# Details

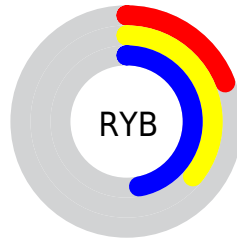
The Hex color **31795E** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **79314C**, and the grayscale version is **606060**.




A 20% lighter version of the original color is **66AE90**, and **004830** is the 20% darker color. If you saturate the color by 10%, you get **257959**, and if you desaturate by 10%, it is **3D7963**.

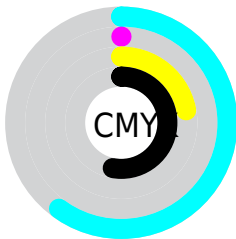
# Distribution







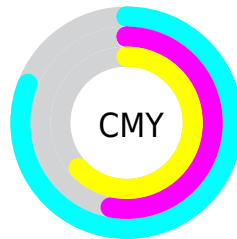
-  Red (19%)
-  Green (47%)
-  Blue (37%)






-  Red (19%)
-  Yellow (36%)
-  Blue (47%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (22%)
-  Black (53%)



-  Cyan (81%)
-  Magenta (53%)
-  Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31795E 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 31795E by changing the saturation by 10% instead.



■ 31795E

■ 31795E

FFFFFF

■ 136046

■ 66AE90

■ 004830

■ 81C9AB

■ 00301B

■ 9CE6C6

■ 001D00

■ B8FFE2

■ 000000

■ D4FFFF

■ F1FFFF

■ 31795E

■ 31795E

■ 257959

■ 3D7963

■ 197955

■ 497967

■ 0D7950

■ 55796C

■ 01794C

■ 617970

■ 00794C

■ 6D7975

■ 7A7979

■ 86797E

■ 927982

■ 9E7987

# Harmonies

## Analogous

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



547547



31795E



007A78

# Triad

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



31795E



5B6B9E



985E4A

# Complementary

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



31795E



79314C

# 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.



9E5861



31795E



7F6191

# Square

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



31795E



28739D



965A7B



88663B

# Rectangle

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



31795E



007989



965A7B



9C5B51



# Sweetspot

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



31795E



829E93



4D7931



3E4F49



CFCFCF



4F4F4F



# Same Dimension

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



31795E



2E9E74



317179



373D3B



007D4E



00FC9E



# Inverse Universe

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



79314C



9E2E58



793931



3D3739



7D002F



FC005F



# Previews

## White Background



This preview shows how the Hex color 31795E looks on a white background.

## Color Contrast Check

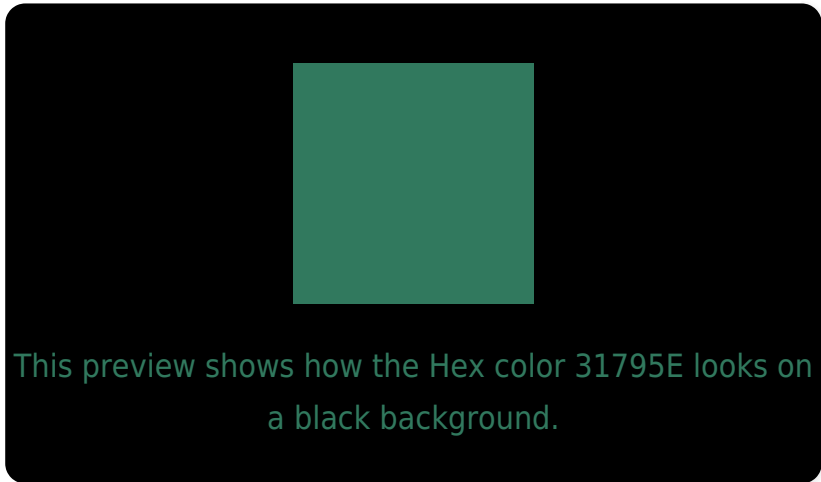
Large Text (above 18pt) WCAG AA ✓ Pass

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

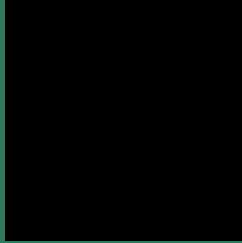
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 31795E Background



This preview shows how black text looks on a background with the Hex color 31795E.



This preview shows how white text looks on a background with the Hex color 31795E.

# 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**  
31795E

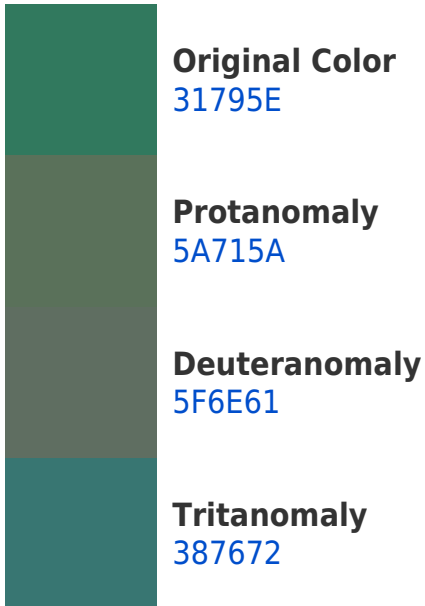
**Protanopia**  
726C57

**Deuteranopia**  
7A6862

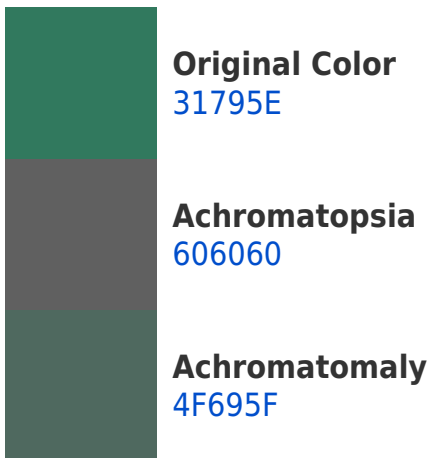


**Tritanopia**  
3C757E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31795E 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 #31795E looks like.

```
.text, #text, p{  
    color:#31795E  
}
```

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 #31795E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31795E
}
```

## Border

The CSS property to change the border of an element to Hex 31795E 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
#31795E }
```

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

```
.border{ border-color:#31795E }
```

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

Here you see how a box with a 4 pixel #31795E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31795E; -webkit-box-shadow:4px 4px  
4px 4px #31795E; box-shadow:4px 4px 4px  
4px #31795E }
```

# Background

The CSS property to change the background color of an element to Hex 31795E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31795E }
```

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

```
.background{ background-color:#31795E }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor