

# Converting Colors

Hex(247D31)

Have a look what the booklet for  
Hex(247D31) contains.

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**Color**

**Hex(247D31)**

# Conversions

## Conversions Part 1

Format	Color
Hex	247D31
RGB	36, 125, 49
RGB Percent	14%, 49%, 19%
CMY	0.8588, 0.5098, 0.8078
CMYK	0.71, 0.00, 0.61, 0.51
HSL	129°, 55%, 32%
HSV	129°, 71%, 49%
XYZ	8.6155, 15.2641, 5.3979
YIQ	89.7250, -28.6480, -42.5040

# Conversions

## Conversions Part 2

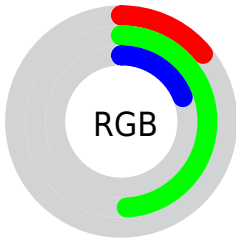
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 114, 125
Decimal	2391345
CIE <sub>Lab</sub>	45.99, -42.61, 33.41
CIE <sub>LCh</sub>	46, 54.149, 141.897
Yxy	15.2641, 0.2943, 0.5214
Android (android.graphics.Color)	4280581425 (0xFF247D31)
YUV	89.7250, -20.0774, -47.1168
Hunter-Lab	39.0692, -29.0083, 19.1568

# Details

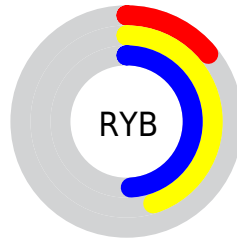
The Hex color **247D31** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7D2470**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **5EB362**, and **004B00** is the 20% darker color. If you saturate the color by 10%, you get **177D26**, and if you desaturate by 10%, it is **317D3C**.

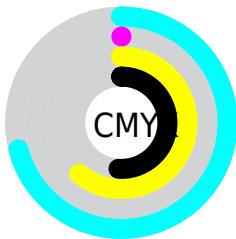
# Distribution



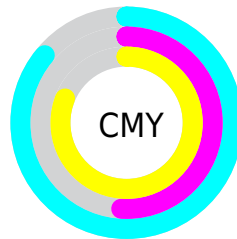
- Red (14%)
- Green (49%)
- Blue (19%)



- Red (14%)
- Yellow (45%)
- Blue (49%)



- Cyan (71%)
- Magenta (0%)
- Yellow (61%)
- Black (51%)



- Cyan (86%)
- Magenta (51%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 247D31 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 247D31 by changing the saturation by 10% instead.



 247D31

 247D31

FFFFFF

 006319

 5EB362

 004B00

 79CE7B

 003300

 95EB96

 001D00

 B1FFB1

 000000


 CEFFCD

 EBF FE9

 247D31

 247D31

 177D26

 317D3C

■ 0B7D1C

■ 3D7D46

■ 007D12

■ 4A7D51

■ 567D5C

■ 637D66

■ 6F7D71

■ 7C7D7C

■ 887D86

■ 947D91

# Harmonies

## Analogous

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



637505



247D31



00815F

# Triad

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



247D31



0076C7



BD424E

# Complementary

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



247D31



7D2470

# 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.



B8407B



247D31



5366C2

# Square

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



247D31



007FB4



9751A5



AD5425

# Rectangle

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



247D31



00827E



9751A5



BE3F5D



# Sweetspot

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



247D31



81A386



717D24



3D5240



D1D1D1



525252



# Same Dimension

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



247D31



18A32D



247D5C



39403A



008013



000000



# Inverse Universe

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



7D2470



A3188F



7D2445



40393F



80006D



000000



# Previews

## White Background



This preview shows how the Hex color 247D31 looks on a white background.

## Color Contrast Check

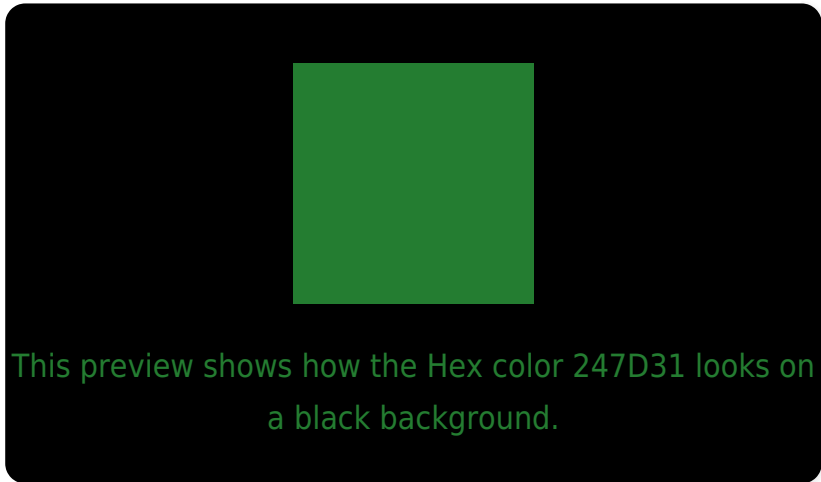
Large Text (above 18pt) WCAG AA ✓ Pass

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

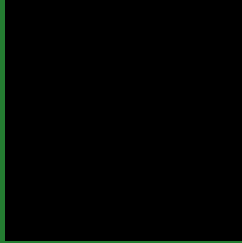
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 247D31 Background



This preview shows how black text looks on a background with the Hex color 247D31.



This preview shows how white text looks on a background with the Hex color 247D31.

# 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**  
247D31

**Protanopia**  
796C2C

**Deuteranopia**  
856737



**Tritanopia**  
3C757F

# Trichromacy



**Original Color**  
247D31

**Protanomaly**  
5A722E

**Deuteranomaly**  
626F35

**Tritanomaly**  
337863

# Monochromacy



**Original Color**  
247D31

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
46674B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 247D31 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 #247D31 looks like.

```
.text, #text, p{  
    color:#247D31  
}
```

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 #247D31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #247D31
}
```

## Border

The CSS property to change the border of an element to Hex 247D31 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".

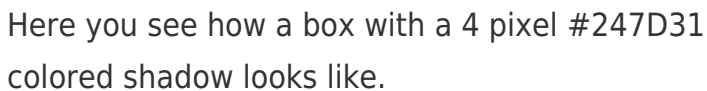
```
.border, #border, table{ border:4px solid
#247D31 }
```

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

```
.border{ border-color:#247D31 }
```

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

Here you see how a box with a 4 pixel #247D31 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #247D31; -webkit-box-shadow:4px 4px  
4px 4px #247D31; box-shadow:4px 4px 4px  
4px #247D31 }
```

# Background

The CSS property to change the background color of an element to Hex 247D31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#247D31 }
```

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

```
.background{ background-color:#247D31 }
```

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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