

# Converting Colors

Hex(2E7B31)

Have a look what the booklet for  
Hex(2E7B31) contains.

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**Color**

**Hex(2E7B31)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E7B31
RGB	46, 123, 49
RGB Percent	18%, 48%, 19%
CMY	0.8196, 0.5176, 0.8078
CMYK	0.63, 0.00, 0.60, 0.52
HSL	122°, 46%, 33%
HSV	122°, 63%, 48%
XYZ	8.7641, 14.9685, 5.3330
YIQ	91.5410, -22.1380, -39.3380

# Conversions

## Conversions Part 2

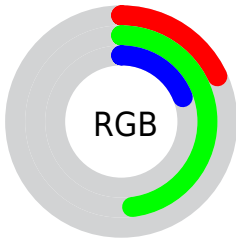
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 120, 123
Decimal	3046193
CIELab	45.59, -39.59, 33.02
CIELCh	46, 51.551, 140.175
Yxy	14.9685, 0.3015, 0.5150
Android (android.graphics.Color)	4281236273 (0xFF2E7B31)
YUV	91.5410, -20.9727, -39.9395
Hunter-Lab	38.6892, -27.2714, 18.9097




# Details

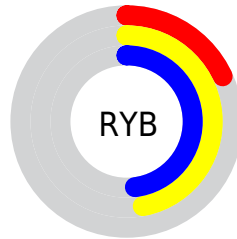
The Hex color **2E7B31** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7B2E78**, and the grayscale version is **5C5C5C**.




A 20% lighter version of the original color is **65B062**, and **004900** is the 20% darker color. If you saturate the color by 10%, you get **227B25**, and if you desaturate by 10%, it is **3A7B3D**.

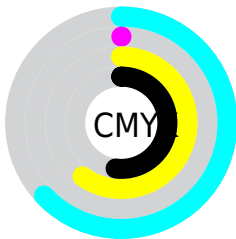
# Distribution







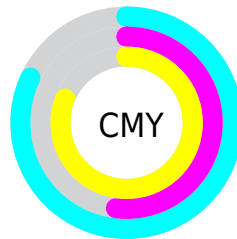
-  Red (18%)
-  Green (48%)
-  Blue (19%)






-  Red (18%)
-  Yellow (47%)
-  Blue (48%)



-  Cyan (63%)
-  Magenta (0%)
-  Yellow (60%)
-  Black (52%)



-  Cyan (82%)
-  Magenta (52%)
-  Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E7B31 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 2E7B31 by changing the saturation by 10% instead.



 2E7B31

 2E7B31

FFFFFF

 0B6219

 65B062

 004900

 80CC7B

 003200

 9BE896

 001C00

 B7FFB1

 000000

 D4FFCC

 F1FFE9

 2E7B31

 2E7B31

 227B25

 3A7B3D

■ 157B19

■ 477B49

■ 097B0E

■ 537B54

■ 007B05

■ 5F7B60

■ 6B7B6C

■ 787B78

■ 847B84

■ 907B90

■ 9D7B9B

# Harmonies

## Analogous

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



65730C



2E7B31



007F5C

# Triad

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



2E7B31



0075C1



B94351

# Complementary

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



2E7B31



7B2E78

# 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.



B2437C



2E7B31



5066BD

# Square

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



2E7B31



007DAD



9253A4



AB532A

# Rectangle

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



2E7B31



00807A



9253A4



B9415F



# Sweetspot

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



2E7B31



82A183



787B2E



3F5240



D1D1D1



525252



# Same Dimension

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



2E7B31



28A12D



2E7B57



373D37



007D05



00FC0A



# Inverse Universe

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



7B2E78



A1289C



7B2E52



3D373D



7D0078



FC00F3



# Previews

## White Background



This preview shows how the Hex color 2E7B31 looks on a white background.

## Color Contrast Check

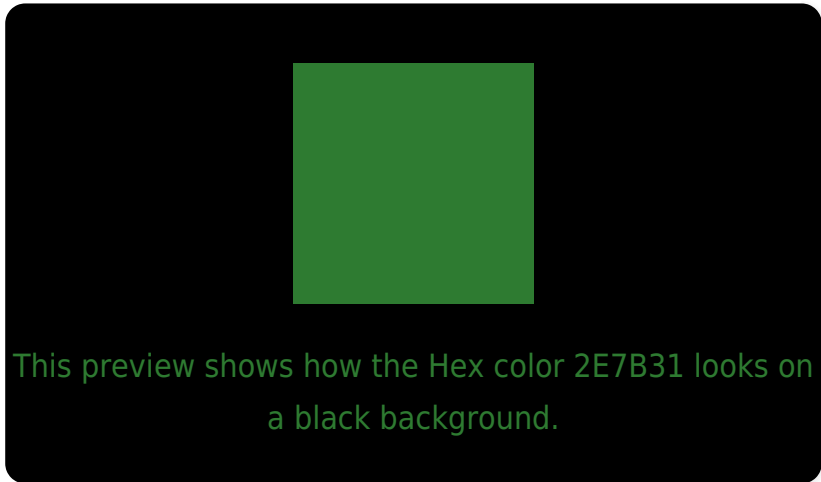
Large Text (above 18pt) WCAG AA ✓ Pass

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

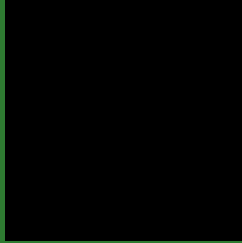
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E7B31 Background



This preview shows how black text looks on a background with the Hex color 2E7B31.



This preview shows how white text looks on a background with the Hex color 2E7B31.

# 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**  
2E7B31

**Protanopia**  
786C2C

**Deuteranopia**  
846637



**Tritanopia**  
41737D

# Trichromacy



**Original Color**  
2E7B31

**Protanomaly**  
5D712E

**Deuteranomaly**  
656E35

**Tritanomaly**  
3A7661

# Monochromacy



**Original Color**  
2E7B31

**Achromatopsia**  
5C5C5C

**Achromatomaly**  
4B674C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E7B31 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 #2E7B31 looks like.

```
.text, #text, p{  
    color:#2E7B31  
}
```

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 #2E7B31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E7B31
}
```

## Border

The CSS property to change the border of an element to Hex 2E7B31 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
#2E7B31 }
```

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

```
.border{ border-color:#2E7B31 }
```

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

Here you see how a box with a 4 pixel #2E7B31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E7B31; -webkit-box-shadow:4px 4px  
4px 4px #2E7B31; box-shadow:4px 4px 4px  
4px #2E7B31 }
```

# Background

The CSS property to change the background color of an element to Hex 2E7B31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E7B31 }
```

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

```
.background{ background-color:#2E7B31 }
```

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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