

# Converting Colors

Hex(2B7E2E)

Have a look what the booklet for  
Hex(2B7E2E) contains.

<b>Hex(2B7E2E)</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(2B7E2E)

# Conversions

## Conversions Part 1

Format	Color
Hex	2B7E2E
RGB	43, 126, 46
RGB Percent	17%, 49%, 18%
CMY	0.8314, 0.5059, 0.8196
CMYK	0.66, 0.00, 0.63, 0.51
HSL	122°, 49%, 33%
HSV	122°, 66%, 49%
XYZ	8.9503, 15.6326, 5.1304
YIQ	92.0630, -23.7880, -42.4760

# Conversions

## Conversions Part 2

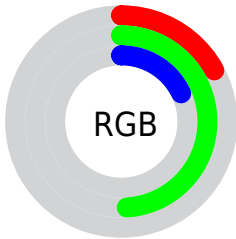
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 123, 126
Decimal	2850350
CIELab	46.49, -41.87, 35.50
CIElCh	46, 54.896, 139.706
Yxy	15.6326, 0.3012, 0.5261
Android (android.graphics.Color)	4281040430 (0xFF2B7E2E)
YUV	92.0630, -22.7091, -43.0283
Hunter-Lab	39.5380, -28.7844, 19.9832

# Details

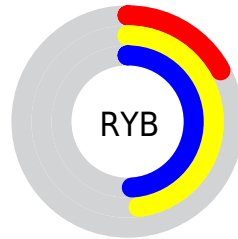
The Hex color **2B7E2E** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7E2B7B**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **63B45F**, and **004C00** is the 20% darker color. If you saturate the color by 10%, you get **1E7E22**, and if you desaturate by 10%, it is **387E3A**.

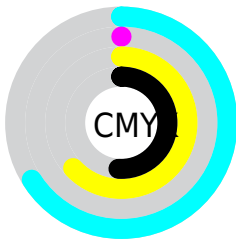
# Distribution



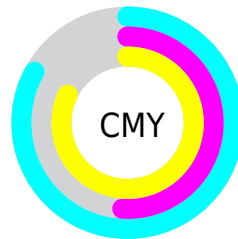
- Red (17%)
- Green (49%)
- Blue (18%)



- Red (17%)
- Yellow (48%)
- Blue (49%)



- Cyan (66%)
- Magenta (0%)
- Yellow (63%)
- Black (51%)



- Cyan (83%)
- Magenta (51%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B7E2E 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 2B7E2E by changing the saturation by 10% instead.



 2B7E2E

 2B7E2E

FFFFFF

 026415

 63B45F

 004C00

 7FCF79

 003400

 9AEC93

 001F00

 B6FFAE

 000000

 D3FFCA

 F0FFE6

 2B7E2E

 2B7E2E

 1E7E22

 387E3A

■ 127E16

■ 447E46

■ 057E0A

■ 517E52

■ 007E05

■ 5D7E5F

■ 6A7E6B

■ 777E77

■ 837E83

■ 907E8F

■ 9C7E9B

# Harmonies

## Analogous

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



677500



2B7E2E



00825C

# Triad

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



2B7E2E



0078C9



C04152

# Complementary

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



2B7E2E



7E2B7B

# 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.



B94180



2B7E2E



4C69C5

# Square

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



2B7E2E



0081B4



9654AA



B15328

# Rectangle

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



2B7E2E



00837C



9654AA



C03F61



# Sweetspot

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



2B7E2E



83A384



7B7E2B



3E523F



D1D1D1



525252



# Same Dimension

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



2B7E2E



22A327



2B7E57



39403A



008005



000000



# Inverse Universe

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



7E2B7B



A3229F



7E2B52



403940



80007B

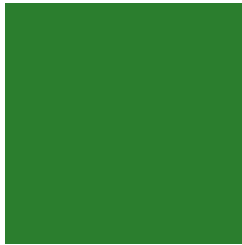


000000



# Previews

## White Background



This preview shows how the Hex color 2B7E2E looks on a white background.

## Color Contrast Check

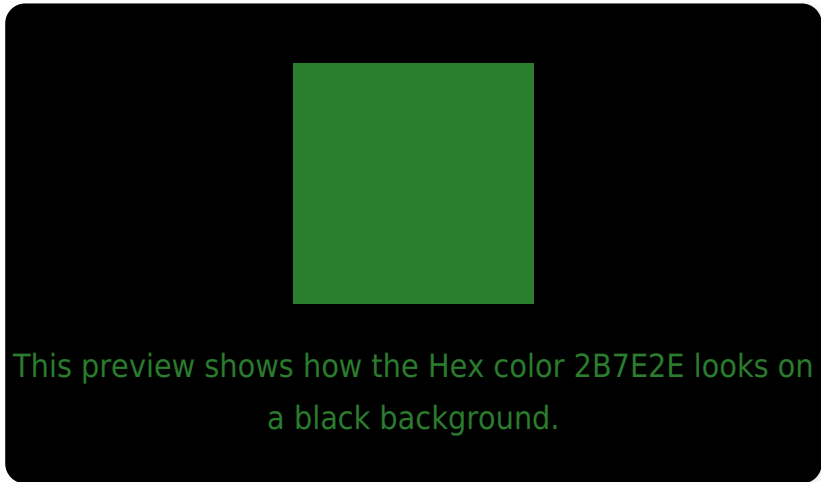
Large Text (above 18pt) WCAG AA ✓ Pass

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 2B7E2E Background



This preview shows how black text looks on a background with the Hex color 2B7E2E.

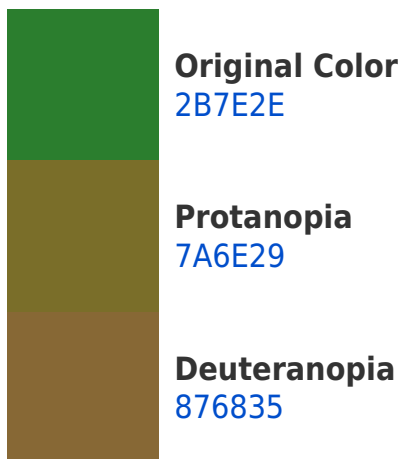



This preview shows how white text looks on a background with the Hex color 2B7E2E.

# 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





**Tritanopia**  
40767F

# Trichromacy



**Original Color**  
2B7E2E



**Protanomaly**  
5D742B



**Deuteranomaly**  
667032



**Tritanomaly**  
387962

# Monochromacy



**Original Color**  
2B7E2E



**Achromatopsia**  
5C5C5C



**Achromatomaly**  
4A684B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B7E2E 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 #2B7E2E looks like.

```
.text, #text, p{  
  color:#2B7E2E  
}
```

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 #2B7E2E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B7E2E
}
```

## Border

The CSS property to change the border of an element to Hex 2B7E2E 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".

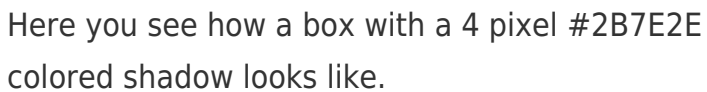
```
.border, #border, table{ border:4px solid
#2B7E2E }
```

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

```
.border{ border-color:#2B7E2E }
```

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

Here you see how a box with a 4 pixel #2B7E2E colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The shadow is cast to the right and bottom of the box, matching the border color.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B7E2E; -webkit-box-shadow:4px 4px  
4px 4px #2B7E2E; box-shadow:4px 4px 4px  
4px #2B7E2E }
```

# Background

The CSS property to change the background color of an element to Hex 2B7E2E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B7E2E }
```

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

```
.background{ background-color:#2B7E2E }
```

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