

# Converting Colors

Hex(2E7811)

Have a look what the booklet for  
Hex(2E7811) contains.

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**Color**

**Hex(2E7811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E7811
RGB	46, 120, 17
RGB Percent	18%, 47%, 7%
CMY	0.8196, 0.5294, 0.9333
CMYK	0.62, 0.00, 0.86, 0.53
HSL	103°, 75%, 27%
HSV	103°, 86%, 47%
XYZ	7.9444, 14.0543, 2.8243
YIQ	86.1320, -11.0410, -47.7210

# Conversions

## Conversions Part 2

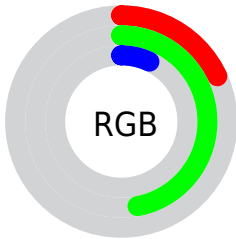
<b>Format</b>	<b>Color</b>
<b>RYB</b>	17, 120, 91
Decimal	3045393
CIELab	44.31, -41.35, 44.78
CIELCh	44, 60.949, 132.717
Yxy	14.0543, 0.3200, 0.5662
Android (android.graphics.Color)	4281235473 (0xFF2E7811)
YUV	86.1320, -34.0821, -35.1958
Hunter-Lab	37.4890, -27.7795, 21.7755

# Details

The Hex color **2E7811** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5B1178**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **66AD47**, and **004600** is the 20% darker color. If you saturate the color by 10%, you get **257805**, and if you desaturate by 10%, it is **37781D**.

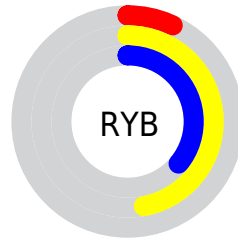
# Distribution



Red (18%)

Green (47%)

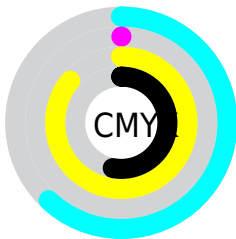
Blue (7%)



Red (7%)

Yellow (47%)

Blue (36%)

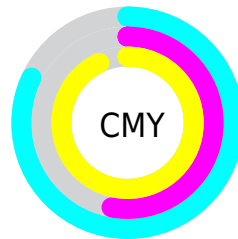


Cyan (62%)

Magenta (0%)

Yellow (86%)

Black (53%)



Cyan (82%)

Magenta (53%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E7811 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 2E7811 by changing the saturation by 10% instead.





2E7811



2E7811

FFFFFF



095F00



66AD47



004600



81C960



002F00



9DE57A



001800



B9FF95



000000



D6FFB1



F3FFCD



FFFFE9



2E7811



2E7811

■ 257805

■ 37781D

■ 227800

■ 3F7829

■ 487835

■ 507841

■ 59784D

■ 627859

■ 6A7865

■ 737871

■ 7C787D

# Harmonies

## Analogous

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



6B6D00



2E7811



007D49

# Triad

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



2E7811



0077CA



C22E56

# Complementary

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



2E7811



5B1178

# 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.



B43688



2E7811



0068CD

# Square

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



2E7811



007EAD



8550B4



B54325

# Rectangle

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



2E7811



007F6C



8550B4



C02D66



# Sweetspot

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



2E7811



7E9C73



785B11



3D4F37



CFCFCF



4F4F4F



# Same Dimension

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



2E7811



2C9C00



117827



393D37



237D00



47FC00



# Inverse Universe

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



5B1178



70009C



781162



3B373D



5A007D

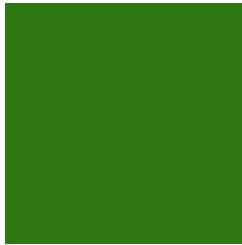


B500FC



# Previews

## White Background



This preview shows how the Hex color 2E7811 looks on a white background.

## Color Contrast Check

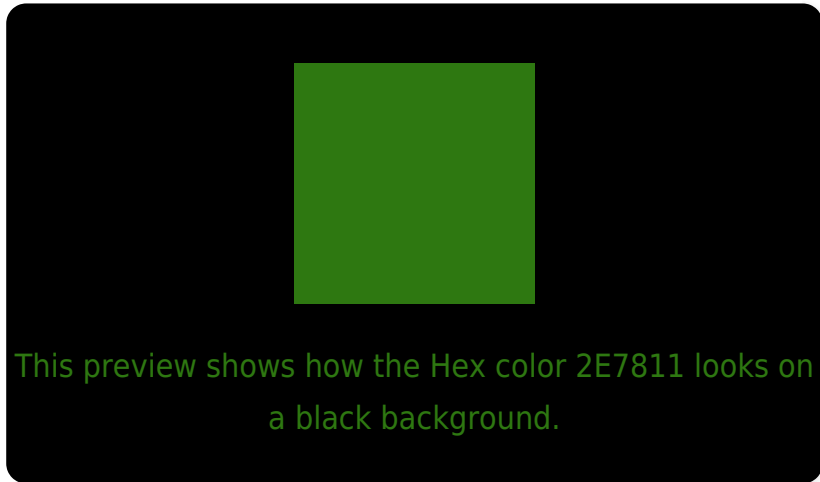
Large Text (above 18pt) WCAG AA ✓ Pass

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

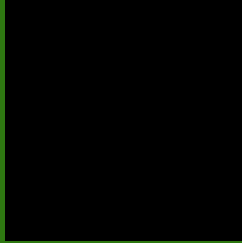
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E7811 Background



This preview shows how black text looks on a background with the Hex color 2E7811.



This preview shows how white text looks on a background with the Hex color 2E7811.

# 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**  
2E7811

**Protanopia**  
76690C

**Deuteranopia**  
83631E



# Trichromacy



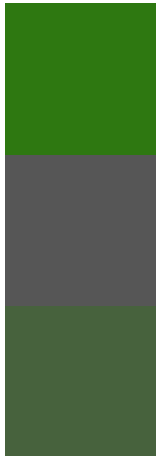
**Original Color**  
2E7811

**Protanomaly**  
5C6E0E

**Deuteranomaly**  
646B19

**Tritanomaly**  
3B7353

# Monochromacy



**Original Color**  
2E7811

**Achromatopsia**  
565656

**Achromatomaly**  
47623D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E7811 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 #2E7811 looks like.

```
.text, #text, p{  
    color:#2E7811  
}
```

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 #2E7811 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E7811
}
```

## Border

The CSS property to change the border of an element to Hex 2E7811 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".

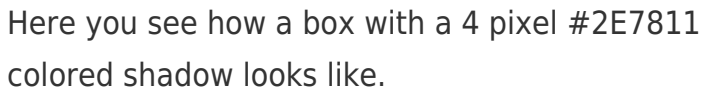
```
.border, #border, table{ border:4px solid
#2E7811 }
```

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

```
.border{ border-color:#2E7811 }
```

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

Here you see how a box with a 4 pixel #2E7811 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E7811; -webkit-box-shadow:4px 4px  
4px 4px #2E7811; box-shadow:4px 4px 4px  
4px #2E7811 }
```

# Background

The CSS property to change the background color of an element to Hex 2E7811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E7811 }
```

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

```
.background{ background-color:#2E7811 }
```

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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