

# Converting Colors

Hex(2D7E0F)

Have a look what the booklet for  
Hex(2D7E0F) contains.

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**Color**

**Hex(2D7E0F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D7E0F
RGB	45, 126, 15
RGB Percent	18%, 49%, 6%
CMY	0.8235, 0.5059, 0.9412
CMYK	0.64, 0.00, 0.88, 0.51
HSL	104°, 79%, 28%
HSV	104°, 88%, 49%
XYZ	8.6293, 15.5141, 2.9916
YIQ	89.1270, -12.6450, -51.6930

# Conversions

## Conversions Part 2

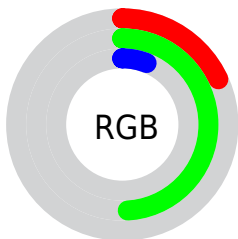
<b>Format</b>	<b>Color</b>
<b>RYB</b>	15, 126, 96
Decimal	2981391
CIELab	46.33, -43.94, 47.12
CIELCh	46, 64.427, 133.004
Yxy	15.5141, 0.3180, 0.5717
Android (android.graphics.Color)	4281171471 (0xFF2D7E0F)
YUV	89.1270, -36.5446, -38.6994
Hunter-Lab	39.3879, -29.8224, 23.0683

# Details

The Hex color **2D7E0F** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **600F7E**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **66B447**, and **004C00** is the 20% darker color. If you saturate the color by 10%, you get **247E02**, and if you desaturate by 10%, it is **367E1C**.

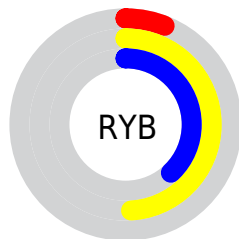
# Distribution



Red (18%)

Green (49%)

Blue (6%)



Red (6%)

Yellow (49%)

Blue (38%)

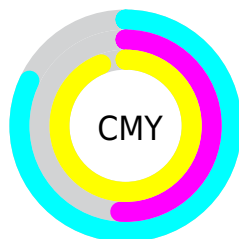


Cyan (64%)

Magenta (0%)

Yellow (88%)

Black (51%)



Cyan (82%)

Magenta (51%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D7E0F 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 2D7E0F by changing the saturation by 10% instead.



 2D7E0F

 2D7E0F

FFFFFF

 036400

 66B447

 004C00

 82CF61

 003400

 9EEC7B

 001E00

 BAF96

 000000

 D7FFB1

 F5FFCD

 FFFFEA

 2D7E0F

 2D7E0F

■ 247E02

■ 367E1C

■ 227E00

■ 3F7E28

■ 497E35

■ 527E41

■ 5B7E4E

■ 647E5B

■ 6D7E67

■ 777E74

■ 807E80

# Harmonies

## Analogous

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



6F7300



2D7E0F



00844C

# Triad

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



2D7E0F



007DD6



CC2E59

# Complementary

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



2D7E0F



600F7E

# 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.



BE368F



2D7E0F



006DD8

# Square

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



2D7E0F



0084B7



8C53BE



BF4625

# Rectangle

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



2D7E0F



008572



8C53BE



CB2C6B



# Sweetspot

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



2D7E0F



84A379



7E5F0F



3F5238



D1D1D1



525252



# Same Dimension

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



2D7E0F



2CA300



0F7E27



3B4039



228000



000000



# Inverse Universe

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



600F7E



7700A3



7E0F66



3E3940



5D0080

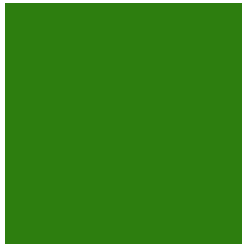


000000



# Previews

## White Background



This preview shows how the Hex color 2D7E0F looks on a white background.

## Color Contrast Check

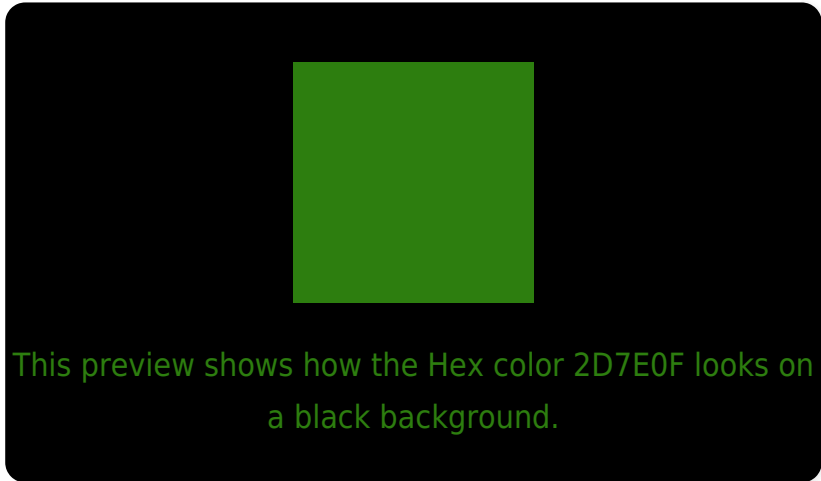
Large Text (above 18pt) WCAG AA ✓ Pass

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

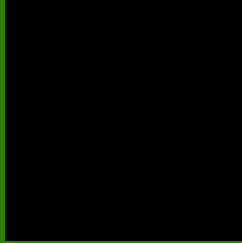
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D7E0F Background



This preview shows how black text looks on a background with the Hex color 2D7E0F.



This preview shows how white text looks on a background with the Hex color 2D7E0F.

# 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**  
2D7E0F

**Protanopia**  
7B6D09

**Deuteranopia**  
89681E



**Tritanopia**  
43757F

# Trichromacy



**Original Color**  
2D7E0F

**Protanomaly**  
5F730B

**Deuteranomaly**  
687019

**Tritanomaly**  
3B7856

# Monochromacy



**Original Color**  
2D7E0F

**Achromatopsia**  
595959

**Achromatomaly**  
49663E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D7E0F 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 #2D7E0F looks like.

```
.text, #text, p{  
    color:#2D7E0F  
}
```

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 #2D7E0F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D7E0F
}
```

## Border

The CSS property to change the border of an element to Hex 2D7E0F 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
#2D7E0F }
```

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

```
.border{ border-color:#2D7E0F }
```

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

Here you see how a box with a 4 pixel #2D7E0F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D7E0F; -webkit-box-shadow:4px 4px  
4px 4px #2D7E0F; box-shadow:4px 4px 4px  
4px #2D7E0F }
```

# Background

The CSS property to change the background color of an element to Hex 2D7E0F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D7E0F }
```

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

```
.background{ background-color:#2D7E0F }
```

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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