

# Converting Colors

Hex(2F8032)

Have a look what the booklet for  
Hex(2F8032) contains.

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# Color

Hex(2F8032)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F8032
RGB	47, 128, 50
RGB Percent	18%, 50%, 20%
CMY	0.8157, 0.4980, 0.8039
CMYK	0.63, 0.00, 0.61, 0.50
HSL	122°, 46%, 34%
HSV	122°, 63%, 50%
XYZ	9.4672, 16.2730, 5.6596
YIQ	94.8890, -23.2380, -41.4300

# Conversions

## Conversions Part 2

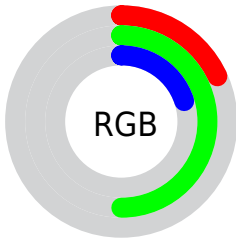
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 125, 128
Decimal	3113010
CIELab	47.33, -41.20, 34.55
CIElCh	47, 53.772, 140.019
Yxy	16.2730, 0.3015, 0.5183
Android (android.graphics.Color)	4281303090 (0xFF2F8032)
YUV	94.8890, -22.1303, -41.9987
Hunter-Lab	40.3398, -28.7031, 19.9195

# Details

The Hex color **2F8032** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **802F7D**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **66B663**, and **004E00** is the 20% darker color. If you saturate the color by 10%, you get **228026**, and if you desaturate by 10%, it is **3C803E**.

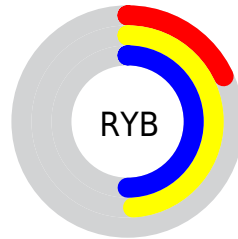
# Distribution



Red (18%)

Green (50%)

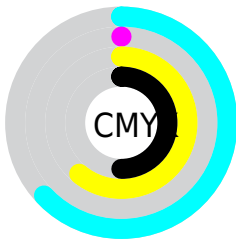
Blue (20%)



Red (18%)

Yellow (49%)

Blue (50%)

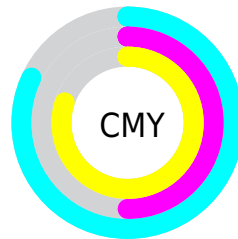


Cyan (63%)

Magenta (0%)

Yellow (61%)

Black (50%)



Cyan (82%)

Magenta (50%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F8032 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 2F8032 by changing the saturation by 10% instead.





2F8032



2F8032

FFFFFF



0B661A



66B663



004E00



82D27D



003600



9EEE97



002100



BAFFB2



000000



D6FFCE



F4FFEA



2F8032



2F8032



228026



3C803E

■ 158019

■ 49804B

■ 09800D

■ 558057

■ 008005

■ 628063

■ 6F8070

■ 7C807C

■ 898088

■ 958095

■ A280A1

# Harmonies

## Analogous

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



697709



2F8032



00845F

# Triad

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



2F8032



007ACA



C14554

# Complementary

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



2F8032



802F7D

# 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.



BA4581



2F8032



516BC6

# Square

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



2F8032



0082B5



9856AB



B2562B

# Rectangle

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



2F8032



00857F



9856AB



C14363



# Sweetspot

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



2F8032



86A687



7D802F



415442



D4D4D4



545454



# Same Dimension

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



2F8032



28A62C



2F805A



39403A



008005



000000



# Inverse Universe

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



802F7D



A628A1



802F55



403940



80007B



000000



# Previews

## White Background



This preview shows how the Hex color 2F8032 looks on a white background.

## Color Contrast Check

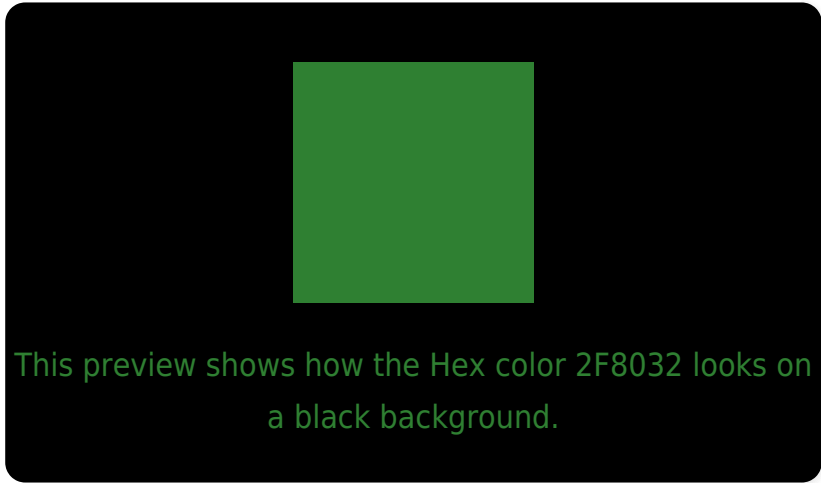
Large Text (above 18pt) WCAG AA ✓ Pass

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

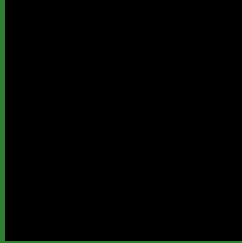
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F8032 Background



This preview shows how black text looks on a background with the Hex color 2F8032.



This preview shows how white text looks on a background with the Hex color 2F8032.

# 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**  
2F8032

**Protanopia**  
7C702D

**Deuteranopia**  
896A38



**Tritanopia**  
437882

# Trichromacy



**Original Color**  
2F8032



**Protanomaly**  
60762F



**Deuteranomaly**  
687236



**Tritanomaly**  
3C7B65

# Monochromacy



**Original Color**  
2F8032



**Achromatopsia**  
5F5F5F



**Achromatomaly**  
4E6B4F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F8032 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 #2F8032 looks like.

```
.text, #text, p{  
    color:#2F8032  
}
```

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 #2F8032 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F8032
}
```

## Border

The CSS property to change the border of an element to Hex 2F8032 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".

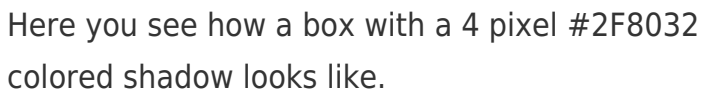
```
.border, #border, table{ border:4px solid
#2F8032 }
```

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

```
.border{ border-color:#2F8032 }
```

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

Here you see how a box with a 4 pixel #2F8032 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F8032; -webkit-box-shadow:4px 4px  
4px 4px #2F8032; box-shadow:4px 4px 4px  
4px #2F8032 }
```

# Background

The CSS property to change the background color of an element to Hex 2F8032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F8032 }
```

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

```
.background{ background-color:#2F8032 }
```

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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