

# Converting Colors

Hex(2F7527)

Have a look what the booklet for  
Hex(2F7527) contains.

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# Color

Hex(2F7527)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F7527
RGB	47, 117, 39
RGB Percent	18%, 46%, 15%
CMY	0.8157, 0.5412, 0.8471
CMYK	0.60, 0.00, 0.67, 0.54
HSL	114°, 50%, 31%
HSV	114°, 67%, 46%
XYZ	7.8998, 13.4734, 4.1037
YIQ	87.1780, -16.6820, -39.0980

# Conversions

## Conversions Part 2

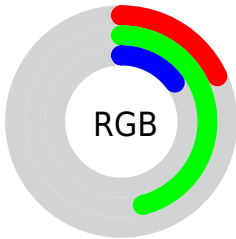
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	39, 117, 109
Decimal	3110183
CIE <sub>Lab</sub>	43.47, -38.12, 35.48
CIE <sub>LCh</sub>	43, 52.076, 137.061
Yxy	13.4734, 0.3101, 0.5288
Android (android.graphics.Color)	4281300263 (0xFF2F7527)
YUV	87.1780, -23.7518, -35.2361
Hunter-Lab	36.7061, -25.8195, 19.0657

# Details

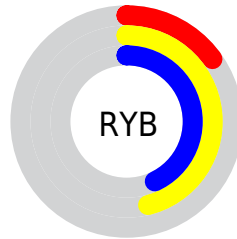
The Hex color **2F7527** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **6D2775**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **65AA58**, and **004400** is the 20% darker color. If you saturate the color by 10%, you get **25751B**, and if you desaturate by 10%, it is **3A7533**.

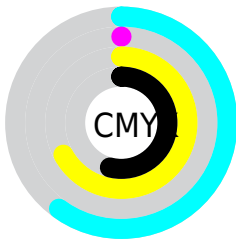
# Distribution



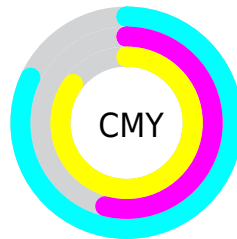
- Red (18%)
- Green (46%)
- Blue (15%)



- Red (15%)
- Yellow (46%)
- Blue (43%)



- Cyan (60%)
- Magenta (0%)
- Yellow (67%)
- Black (54%)



- Cyan (82%)
- Magenta (54%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F7527 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 2F7527 by changing the saturation by 10% instead.



 2F7527

 2F7527

FFFFFF

 0F5C0E

 65AA58

 004400

 80C571

 002D00

 9BE28B

 001400

 B7FFA6

 000000

 D4FFC1

 F1FFDE

 FFFFFA

 2F7527

 2F7527

■ 25751B

■ 3A7533

■ 1A7510

■ 44753E

■ 107504

■ 4F754A

■ 0C7500

■ 597556

■ 647562

■ 6E756D

■ 797579

■ 837585

■ 8E7590

# Harmonies

## Analogous

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



646C00



2F7527



007A52

# Triad

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



2F7527



0071BB



B43C50

# Complementary

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



2F7527



6D2775

# 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.



AB3E7B



2F7527



3D63BA

# Square

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



2F7527



0078A5



8750A2



A74B28

# Rectangle

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



2F7527



007B70



8750A2



B33A5E



# Sweetspot

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



2F7527



7E997A



756C27



3C4D3A



CCCCCC



4D4D4D



# Same Dimension

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



2F7527



2B991F



277545



353B35



0D7A00



1AFA00



# Inverse Universe

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



6D2775



8C1F99



752757



3A353B



6E007A



E000FA



# Previews

## White Background



This preview shows how the Hex color 2F7527 looks on a white background.

## Color Contrast Check

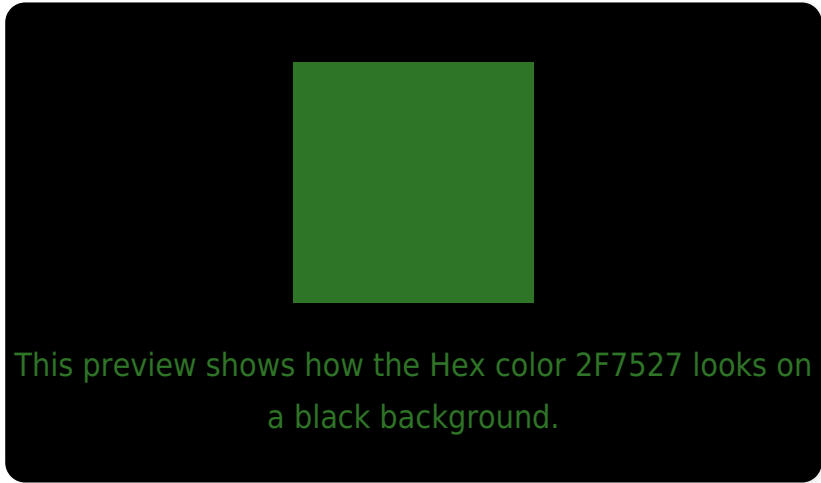
Large Text (above 18pt) WCAG AA ✓ Pass

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

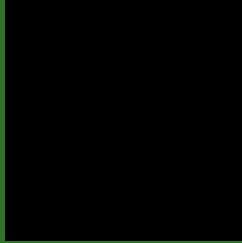
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F7527 Background



This preview shows how black text looks on a background with the Hex color 2F7527.



This preview shows how white text looks on a background with the Hex color 2F7527.

# 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**  
2F7527

**Protanopia**  
726623

**Deuteranopia**  
7F612D



**Tritanopia**  
416D76

# Trichromacy



**Original Color**  
2F7527

**Protanomaly**  
5A6B24

**Deuteranomaly**  
62682B

**Tritanomaly**  
3A7059

# Monochromacy



**Original Color**  
2F7527

**Achromatopsia**  
575757

**Achromatomaly**  
486246

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F7527 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 #2F7527 looks like.

```
.text, #text, p{  
    color:#2F7527  
}
```

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 #2F7527 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F7527
}
```

## Border

The CSS property to change the border of an element to Hex 2F7527 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".

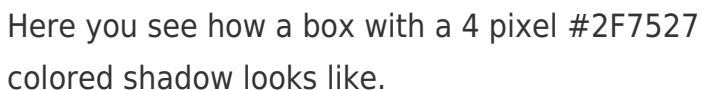
```
.border, #border, table{ border:4px solid
#2F7527 }
```

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

```
.border{ border-color:#2F7527 }
```

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

Here you see how a box with a 4 pixel #2F7527 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F7527; -webkit-box-shadow:4px 4px  
4px 4px #2F7527; box-shadow:4px 4px 4px  
4px #2F7527 }
```

# Background

The CSS property to change the background color of an element to Hex 2F7527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F7527 }
```

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

```
.background{ background-color:#2F7527 }
```

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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