

# Converting Colors

Hex(235A2F)

Have a look what the booklet for  
Hex(235A2F) contains.

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# Color

Hex(235A2F)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	235A2F
RGB	35, 90, 47
RGB Percent	14%, 35%, 18%
CMY	0.8627, 0.6471, 0.8157
CMYK	0.61, 0.00, 0.48, 0.65
HSL	133°, 44%, 25%
HSV	133°, 61%, 35%
XYZ	4.8624, 7.8749, 3.9531
YIQ	68.6530, -18.9770, -25.0330

# Conversions

## Conversions Part 2

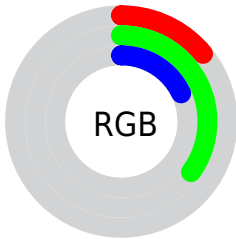
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 80, 90
Decimal	2316847
CIE <sub>Lab</sub>	33.72, -28.70, 19.50
CIE <sub>LCh</sub>	34, 34.700, 145.807
Yxy	7.8749, 0.2913, 0.4718
Android (android.graphics.Color)	4280506927 (0xFF235A2F)
YUV	68.6530, -10.6749, -29.5137
Hunter-Lab	28.0622, -18.1799, 11.2915

# Details

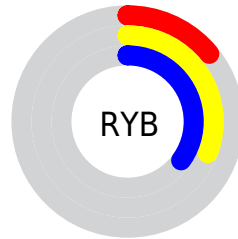
The Hex color **235A2F** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5A234E**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **558D5E**, and **002B00** is the 20% darker color. If you saturate the color by 10%, you get **1A5A28**, and if you desaturate by 10%, it is **2C5A36**.

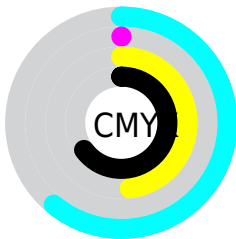
# Distribution



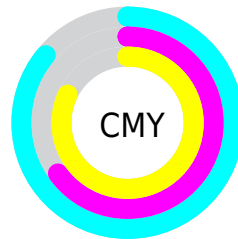
- Red (14%)
- Green (35%)
- Blue (18%)



- Red (14%)
- Yellow (31%)
- Blue (35%)



- Cyan (61%)
- Magenta (0%)
- Yellow (48%)
- Black (65%)



- Cyan (86%)
- Magenta (65%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 235A2F 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 235A2F by changing the saturation by 10% instead.





235A2F



235A2F

FFFFFF



054219



558D5E



002B00



6FA777



001500



89C390



000000



A4DFAB



C0FCC6



DCFFE2



F9FFFF



235A2F



235A2F

■ 1A5A28

■ 2C5A36

■ 115A21

■ 355A3D

■ 085A1A

■ 3E5A44

■ 005A14

■ 475A4B

■ 505A52

■ 595A59

■ 625A60

■ 6B5A67

■ 745A6E

# Harmonies

## Analogous

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



47551A



235A2F



005C4A

# Triad

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



235A2F



005486



813939

# Complementary

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



235A2F



5A234E

# 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.



7F3754



235A2F



4A4A81

# Square

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



235A2F



005A7C



6D3E6F



764222

# Rectangle

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



235A2F



005D5D



6D3E6F



823742



# Sweetspot

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



235A2F



607565



4E5A23



2E3B31



BABABA



3B3B3B



# Same Dimension

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



235A2F



207532



235A4A



292E2A



006E18



00ED34



# Inverse Universe

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



5A234E



752063



5A2333



2E292D



6E0056

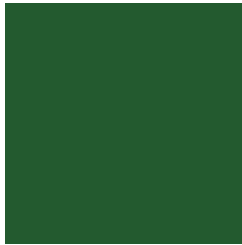


ED00B9



# Previews

## White Background



This preview shows how the Hex color 235A2F looks on a white background.

## Color Contrast Check

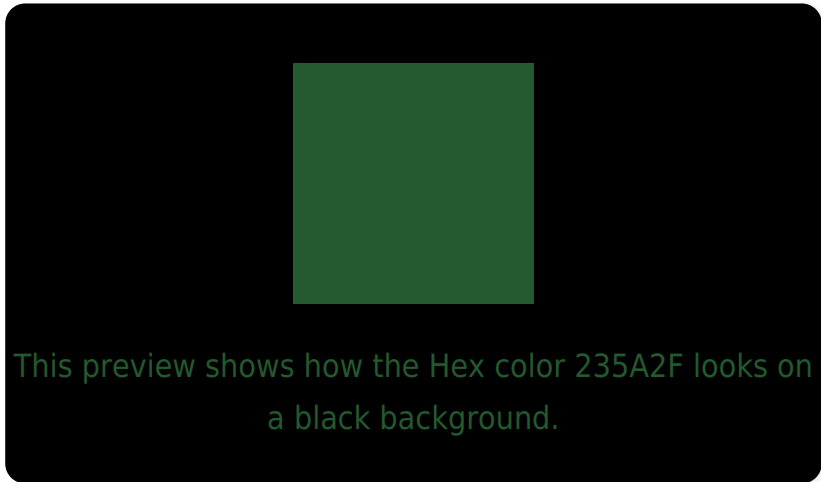
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

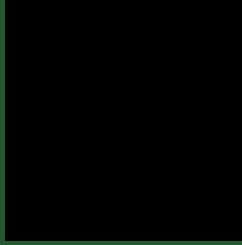
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 235A2F Background



This preview shows how black text looks on a background with the Hex color 235A2F.



This preview shows how white text looks on a background with the Hex color 235A2F.

# 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**  
235A2F

**Protanopia**  
574F2B

**Deuteranopia**  
5F4C33



**Tritanopia**  
2F555C

# Trichromacy



**Original Color**  
235A2F

**Protanomaly**  
44532C

**Deuteranomaly**  
495132

**Tritanomaly**  
2B574C

# Monochromacy



**Original Color**  
235A2F

**Achromatopsia**  
454545

**Achromatomaly**  
394D3D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 235A2F 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 #235A2F looks like.

```
.text, #text, p{  
    color:#235A2F  
}
```

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 #235A2F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #235A2F
}
```

## Border

The CSS property to change the border of an element to Hex 235A2F 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
#235A2F }
```

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

```
.border{ border-color:#235A2F }
```

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

Here you see how a box with a 4 pixel #235A2F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #235A2F; -webkit-box-shadow:4px 4px  
4px 4px #235A2F; box-shadow:4px 4px 4px  
4px #235A2F }
```

# Background

The CSS property to change the background color of an element to Hex 235A2F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#235A2F }
```

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

```
.background{ background-color:#235A2F }
```

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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