

# Converting Colors

Hex(237F25)

Have a look what the booklet for  
Hex(237F25) contains.

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# Color

Hex(237F25)

# Conversions

## Conversions Part 1

Format	Color
Hex	237F25
RGB	35, 127, 37
RGB Percent	14%, 50%, 15%
CMY	0.8627, 0.5020, 0.8549
CMYK	0.72, 0.00, 0.71, 0.50
HSL	121°, 57%, 32%
HSV	121°, 72%, 50%
XYZ	8.6164, 15.6696, 4.3207
YIQ	89.2320, -25.9420, -47.4940

# Conversions

## Conversions Part 2

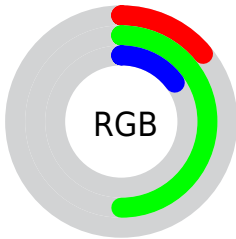
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 125, 127
Decimal	2326309
CIELab	46.54, -44.95, 39.61
CIElCh	47, 59.909, 138.615
Yxy	15.6696, 0.3012, 0.5478
Android (android.graphics.Color)	4280516389 (0xFF237F25)
YUV	89.2320, -25.7504, -47.5615
Hunter-Lab	39.5849, -30.4195, 21.2379

# Details

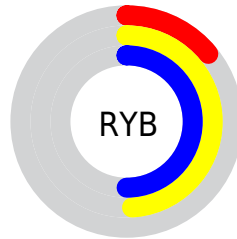
The Hex color **237F25** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7F237D**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **5EB557**, and **004C00** is the 20% darker color. If you saturate the color by 10%, you get **167F19**, and if you desaturate by 10%, it is **307F31**.

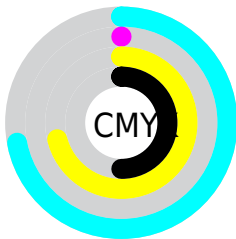
# Distribution



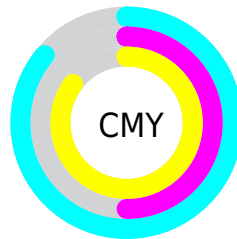
- Red (14%)
- Green (50%)
- Blue (15%)



- Red (14%)
- Yellow (49%)
- Blue (50%)



- Cyan (72%)
- Magenta (0%)
- Yellow (71%)
- Black (50%)



- Cyan (86%)
- Magenta (50%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 237F25 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 237F25 by changing the saturation by 10% instead.



 237F25

 237F25

FFFFFF

 006509

 5EB557

 004C00

 7AD170

 003500

 96ED8B

 001F00

 B2FFA6

 000000

 CFFFC1

 ECFFDE

 FFFFFA

 237F25

 237F25

■ 167F19

■ 307F31

■ 0A7F0C

■ 3C7F3E

■ 007F03

■ 497F4A

■ 567F57

■ 627F63

■ 6F7F70

■ 7C7F7C

■ 897F88

■ 957F95

# Harmonies

## Analogous

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



687500



237F25



008459

# Triad

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



237F25



007AD1



C73A51

# Complementary

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



237F25



7F237D

# 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.



BE3A84



237F25



3F69CE

# Square

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



237F25



0082B9



9751B1



B64F22

# Rectangle

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



237F25



00857C



9751B1



C73662



# Sweetspot

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



237F25



81A682



7D7F23



3E543F



D4D4D4



545454



# Same Dimension

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



237F25



16A619



237F53



39403A



008003



000000



# Inverse Universe

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



7F237D



A616A3



7F234F



403940



80007D



000000



# Previews

## White Background



This preview shows how the Hex color 237F25 looks on a white background.

## Color Contrast Check

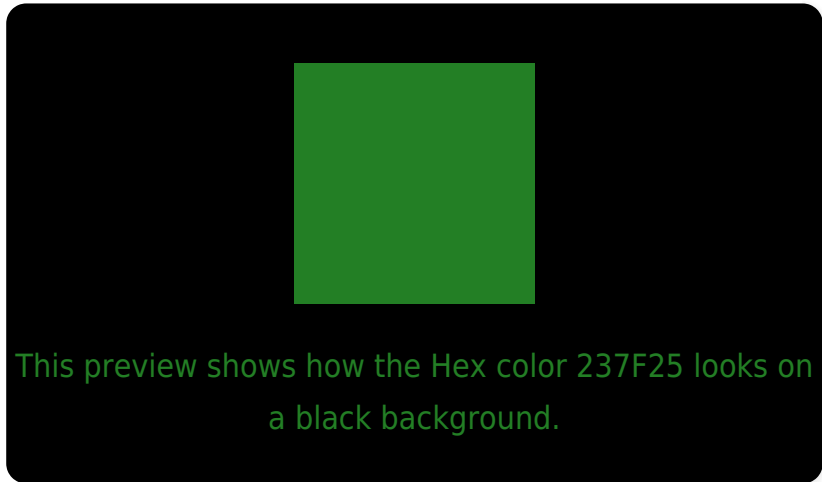
Large Text (above 18pt) WCAG AA ✓ Pass

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

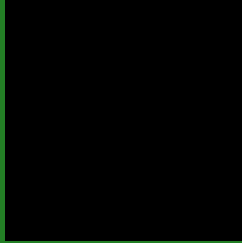
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 237F25 Background



This preview shows how black text looks on a background with the Hex color 237F25.



This preview shows how white text looks on a background with the Hex color 237F25.

# 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**  
237F25

**Protanopia**  
7B6E21

**Deuteranopia**  
88682D



**Tritanopia**  
3D7780

# Trichromacy



**Original Color**  
237F25



**Protanomaly**  
5B7422



**Deuteranomaly**  
63702A



**Tritanomaly**  
347A5F

# Monochromacy



**Original Color**  
237F25



**Achromatopsia**  
595959



**Achromatomaly**  
456746

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 237F25 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 #237F25 looks like.

```
.text, #text, p{  
    color:#237F25  
}
```

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 #237F25 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #237F25
}
```

## Border

The CSS property to change the border of an element to Hex 237F25 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
#237F25 }
```

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

```
.border{ border-color:#237F25 }
```

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

Here you see how a box with a 4 pixel #237F25 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #237F25; -webkit-box-shadow:4px 4px  
4px 4px #237F25; box-shadow:4px 4px 4px  
4px #237F25 }
```

# Background

The CSS property to change the background color of an element to Hex 237F25 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#237F25 }
```

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

```
.background{ background-color:#237F25 }
```

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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