

Converting Colors

Hex(235B0F)

Have a look what the booklet for
Hex(235B0F) contains.

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Color

Hex(235B0F)

Conversions

Conversions Part 1

Format	Color
Hex	235B0F
RGB	35, 91, 15
RGB Percent	14%, 36%, 6%
CMY	0.8627, 0.6431, 0.9412
CMYK	0.62, 0.00, 0.84, 0.64
HSL	104°, 72%, 21%
HSV	104°, 84%, 36%
XYZ	4.5204, 7.8740, 1.7335
YIQ	65.5920, -8.9800, -35.5080

Conversions

Conversions Part 2

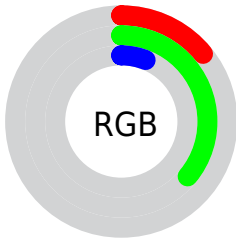
Format	Color
RYB	15, 91, 71
Decimal	2317071
CIELab	33.72, -33.15, 35.41
CIElCh	34, 48.505, 133.114
Yxy	7.8740, 0.3200, 0.5573
Android (android.graphics.Color)	4280507151 (0xFF235B0F)
YUV	65.5920, -24.9419, -26.8292
Hunter-Lab	28.0606, -20.3505, 15.9796

Details

The Hex color **235B0F** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **470F5B**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **578E40**, and **002C00** is the 20% darker color. If you saturate the color by 10%, you get **1C5B06**, and if you desaturate by 10%, it is **2A5B18**.

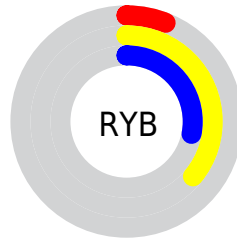
Distribution



Red (14%)

Green (36%)

Blue (6%)



Red (6%)

Yellow (36%)

Blue (28%)

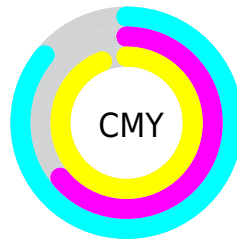


Cyan (62%)

Magenta (0%)

Yellow (84%)

Black (64%)



Cyan (86%)

Magenta (64%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Hex color 235B0F 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 235B0F by changing the saturation by 10% instead.



235B0F



235B0F

FFFFFFC



044300



578E40



002C00



71A959



001500



8CC472



000000



A7E08C



C3FDA7



E0FFC3



FDFFDf



235B0F



235B0F

■ 1C5B06

■ 2A5B18

■ 185B00

■ 305B21

■ 375B2A

■ 3E5B33

■ 455B3D

■ 4B5B46

■ 525B4F

■ 595B58

■ 5F5B61

Harmonies

Analogous

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



515300



235B0F



005F37

Triad

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



235B0F



005A99



932540

Complementary

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



235B0F



470F5B

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.



892A67



235B0F



044E9B

Square

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



235B0F



005F83



663D88



8A341C

Rectangle

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



235B0F



006052



663D88



92244D

Sweetspot

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



235B0F



607558



5B470F



2E3B29



BABABA



3B3B3B

Same Dimension

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



235B0F



1F7500



0F5B21



2B2E29



1D6E00



3EED00

Inverse Universe

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



470F5B



560075



5B0F49



2D292E



51006E



AF00ED

Previews

White Background



This preview shows how the Hex color 235B0F looks on a white background.

Color Contrast Check

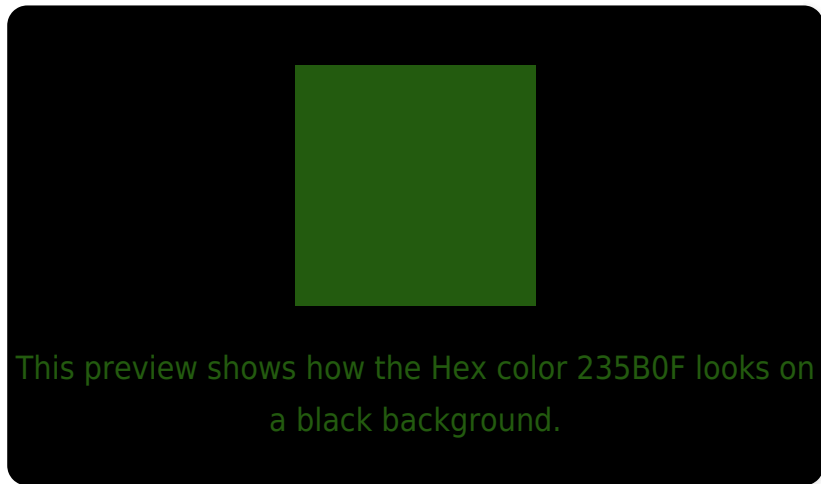
Large Text (above 18pt) WCAG AA ✓ Pass

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

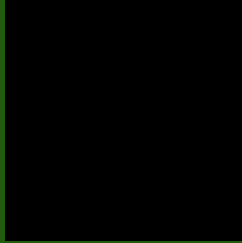
Any Text WCAG AA × Fail

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 235B0F Background



This preview shows how black text looks on a background with the Hex color 235B0F.



This preview shows how white text looks on a background with the Hex color 235B0F.

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](#).

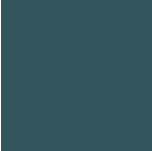
Dichromacy



Original Color
235B0F

Protanopia
594F0C

Deuteranopia
634B18



Tritanopia
32555C

Trichromacy



Original Color
235B0F

Protanomaly
45530D

Deuteranomaly
4C5115

Tritanomaly
2D5740

Monochromacy



Original Color
235B0F

Achromatopsia
424242

Achromatomaly
374B2F

CSS Examples

Text

The CSS property to change the color of the text to Hex 235B0F 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 #235B0F looks like.

```
.text, #text, p{  
    color:#235B0F  
}
```

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 #235B0F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #235B0F
}
```

Border

The CSS property to change the border of an element to Hex 235B0F is called "border". The border property can be set on classes, ids or directly on the HTML element.

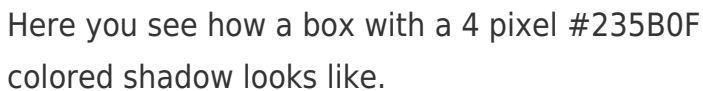
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#235B0F }
```

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

```
.border{ border-color:#235B0F }
```

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



Here you see how a box with a 4 pixel #235B0F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #235B0F; -webkit-box-shadow:4px 4px  
4px 4px #235B0F; box-shadow:4px 4px 4px  
4px #235B0F }
```

Background

The CSS property to change the background color of an element to Hex 235B0F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#235B0F }
```

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

```
.background{ background-color:#235B0F }
```

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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