

Converting Colors

Hex(235711)

Have a look what the booklet for
Hex(235711) contains.

Hex(235711)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(235711)

Conversions

Conversions Part 1

Format	Color
Hex	235711
RGB	35, 87, 17
RGB Percent	14%, 34%, 7%
CMY	0.8627, 0.6588, 0.9333
CMYK	0.60, 0.00, 0.80, 0.66
HSL	105°, 67%, 20%
HSV	105°, 80%, 34%
XYZ	4.2025, 7.2142, 1.7013
YIQ	63.4720, -8.5220, -32.7940

Conversions

Conversions Part 2

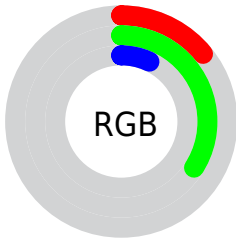
Format	Color
R_{YB}	17, 87, 69
Decimal	2316049
CIE _{Lab}	32.29, -31.34, 33.26
CIE _{LCh}	32, 45.698, 133.300
Yxy	7.2142, 0.3204, 0.5499
Android (android.graphics.Color)	4280506129 (0xFF235711)
YUV	63.4720, -22.9107, -24.9699
Hunter-Lab	26.8592, -19.0748, 15.0460

Details

The Hex color **235711** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **451157**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **568941**, and **002900** is the 20% darker color. If you saturate the color by 10%, you get **1D5708**, and if you desaturate by 10%, it is **29571A**.

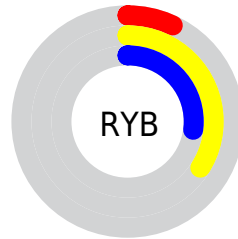
Distribution



Red (14%)

Green (34%)

Blue (7%)



Red (7%)

Yellow (34%)

Blue (27%)

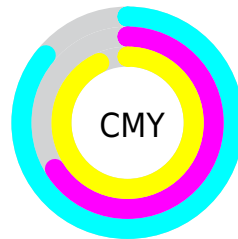


Cyan (60%)

Magenta (0%)

Yellow (80%)

Black (66%)



Cyan (86%)

Magenta (66%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color 235711 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 235711 by changing the saturation by 10% instead.

 235711

 235711

FFFFFC

 063F00

 568941

 002900

 70A459

 000F00

 8BBF73

 000000

 A6DB8D

 C2F8A7

 DEFFC3

 FBFFDF

 235711

 235711

■ 1D5708

■ 29571A

■ 165700

■ 305722

■ 36572B

■ 3D5734

■ 43573D

■ 4A5745

■ 50574E

■ 575757

■ 5D575F

Harmonies

Analogous

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



4E4F00



235711



005B36

Triad

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



235711



005691



8B253E

Complementary

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



235711



451157

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.



822962



235711



104B92

Square

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



235711



005B7D



613B81



83321C

Rectangle

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



235711



005C4F



613B81



8B244A

Sweetspot

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



235711



5C7055



574411



2C3828



B8B8B8



383838

Same Dimension

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



235711



1F7003



115721



282B27



1C6B00



3CEB00

Inverse Universe

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



451157



540370



571147



2A272B



50006B



AE00EB

Previews

White Background



This preview shows how the Hex color 235711 looks on a white background.

Color Contrast Check

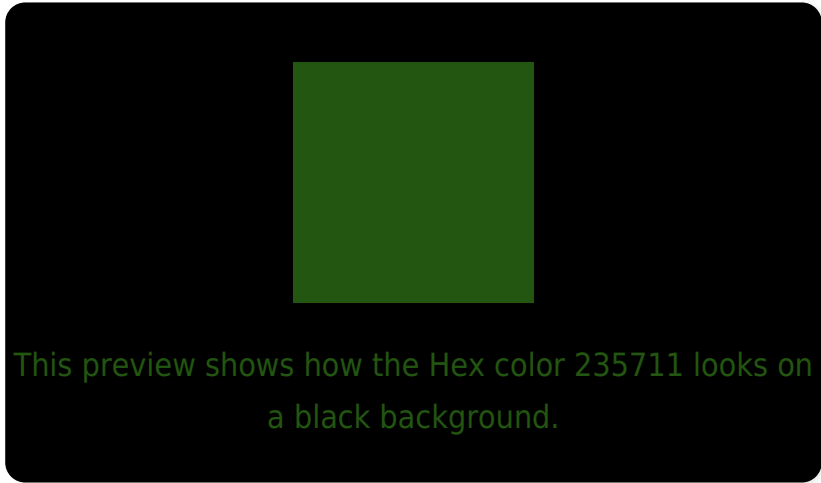
Large Text (above 18pt) WCAG AA ✓ Pass

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

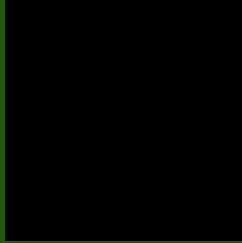
Any Text WCAG AA × Fail

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 235711 Background



This preview shows how black text looks on a background with the Hex color 235711.



This preview shows how white text looks on a background with the Hex color 235711.

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
235711

Protanopia
554C0E

Deuteranopia
5F4818



Tritanopia
315158

Trichromacy



Original Color
235711

Protanomaly
43500F

Deuteranomaly
494D15

Tritanomaly
2C533E

Monochromacy



Original Color
235711

Achromatopsia
3F3F3F

Achromatomaly
35482E

CSS Examples

Text

The CSS property to change the color of the text to Hex 235711 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 #235711 looks like.

```
.text, #text, p{  
    color:#235711  
}
```

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 #235711 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #235711
}
```

Border

The CSS property to change the border of an element to Hex 235711 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
#235711 }
```

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

```
.border{ border-color:#235711 }
```

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

Here you see how a box with a 4 pixel #235711 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #235711; -webkit-box-shadow:4px 4px  
4px 4px #235711; box-shadow:4px 4px 4px  
4px #235711 }
```

Background

The CSS property to change the background color of an element to Hex 235711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#235711 }
```

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

```
.background{ background-color:#235711 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor