

# Converting Colors

Hex(235131)

Have a look what the booklet for  
Hex(235131) contains.

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# Color

**Hex(235131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	235131
RGB	35, 81, 49
RGB Percent	14%, 32%, 19%
CMY	0.8627, 0.6824, 0.8078
CMYK	0.57, 0.00, 0.40, 0.68
HSL	138°, 40%, 23%
HSV	138°, 57%, 32%
XYZ	4.1899, 6.4639, 3.9326
YIQ	63.5980, -17.1440, -19.7040

# Conversions

## Conversions Part 2

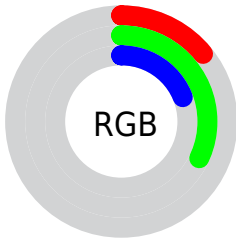
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 70, 81
Decimal	2314545
CIELab	30.55, -24.04, 14.16
CIElCh	31, 27.894, 149.505
Yxy	6.4639, 0.2872, 0.4431
Android (android.graphics.Color)	4280504625 (0xFF235131)
YUV	63.5980, -7.1968, -25.0804
Hunter-Lab	25.4243, -15.0755, 8.6262

# Details

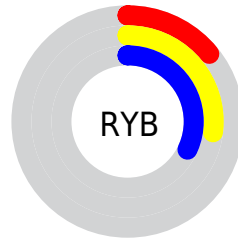
The Hex color **235131** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **512343**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **54835F**, and **002403** is the 20% darker color. If you saturate the color by 10%, you get **1B512B**, and if you desaturate by 10%, it is **2B5137**.

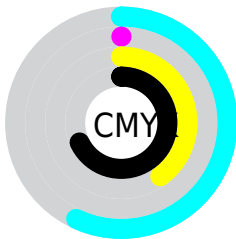
# Distribution



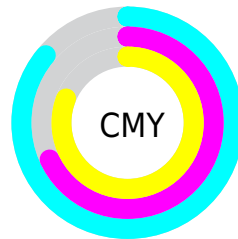
- Red (14%)
- Green (32%)
- Blue (19%)



- Red (14%)
- Yellow (27%)
- Blue (32%)



- Cyan (57%)
- Magenta (0%)
- Yellow (40%)
- Black (68%)



- Cyan (86%)
- Magenta (68%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 235131 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 235131 by changing the saturation by 10% instead.





235131



235131

FFFFFF



093A1C



54835F



002403



6D9D78



000400



87B892



000000



A2D4AD



BDF0C8



D9FFE4



F6FFFF



235131



235131

■ 1B512B

■ 2B5137

■ 135126

■ 33513C

■ 0B5120

■ 3B5142

■ 03511A

■ 435148

■ 005119

■ 4C514D

■ 545153

■ 5C5158

■ 64515E

■ 6C5164

# Harmonies

## Analogous

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



3F4D21



235131



005347

# Triad

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



235131



1E4A73



703834

# Complementary

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



235131



512343

# 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.



6F3549



235131



49426E

# Square

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



235131



00506D



623A5E



663F23

# Rectangle

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



235131



005356



623A5E



71363B



# Sweetspot

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



235131



57695C



435123



2B362E



B5B5B5



363636



# Same Dimension

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



235131



216937



235148



252926



006920



00E847



# Inverse Universe

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



512343



692153



51232C



292528



690049

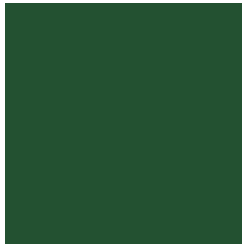


E800A1



# Previews

## White Background



This preview shows how the Hex color 235131 looks on a white background.

## Color Contrast Check

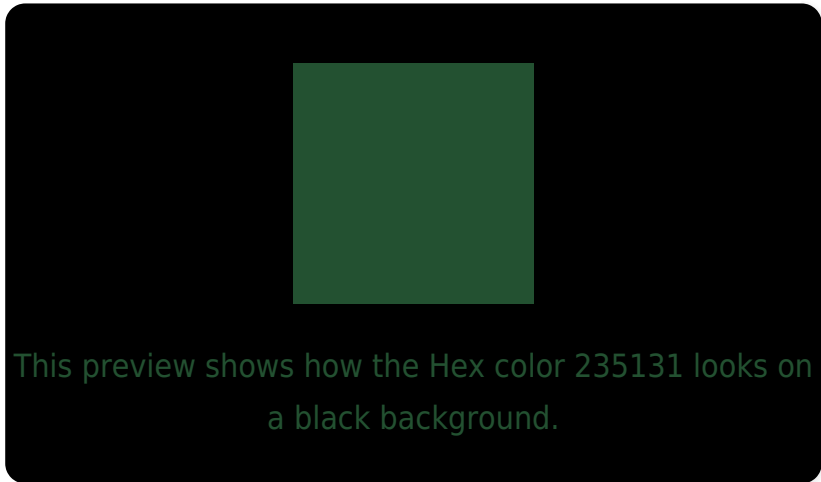
Large Text (above 18pt) WCAG AA ✓ Pass

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

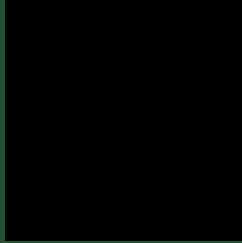
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 235131 Background



This preview shows how black text looks on a background with the Hex color 235131.



This preview shows how white text looks on a background with the Hex color 235131.

# 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**  
235131

**Protanopia**  
4E482D

**Deuteranopia**  
554534



# Trichromacy



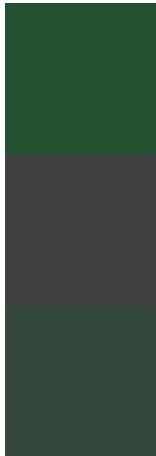
**Original Color**  
235131

**Protanomaly**  
3E4B2E

**Deuteranomaly**  
434933

**Tritanomaly**  
294E47

# Monochromacy



**Original Color**  
235131

**Achromatopsia**  
404040

**Achromatomaly**  
35463B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 235131 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 #235131 looks like.

```
.text, #text, p{  
    color:#235131  
}
```

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 #235131 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #235131
}
```

## Border

The CSS property to change the border of an element to Hex 235131 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
#235131 }
```

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

```
.border{ border-color:#235131 }
```

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

Here you see how a box with a 4 pixel #235131 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #235131; -webkit-box-shadow:4px 4px  
4px 4px #235131; box-shadow:4px 4px 4px  
4px #235131 }
```

# Background

The CSS property to change the background color of an element to Hex 235131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#235131 }
```

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

```
.background{ background-color:#235131 }
```

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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