

# Converting Colors

Hex(250E31)

Have a look what the booklet for  
Hex(250E31) contains.

<b>Hex(250E31)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(250E31)**

# Conversions

## Conversions Part 1

Format	Color
Hex	250E31
RGB	37, 14, 49
RGB Percent	15%, 5%, 19%
CMY	0.8549, 0.9451, 0.8078
CMYK	0.24, 0.71, 0.00, 0.81
HSL	279°, 56%, 12%
HSV	279°, 71%, 19%
XYZ	1.4744, 0.9291, 3.0074
YIQ	24.8670, 2.4730, 15.7610

# Conversions

## Conversions Part 2

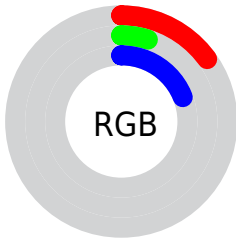
<b>Format</b>	<b>Color</b>
<b>RYB</b>	37, 14, 49
Decimal	2428465
CIELab	8.39, 19.58, -18.41
CIELCh	8, 26.878, 316.768
Yxy	0.9291, 0.2725, 0.1717
Android (android.graphics.Color)	4280618545 (0xFF250E31)
YUV	24.8670, 11.8976, 10.6406
Hunter-Lab	9.6392, 10.4339, -11.7506

# Details

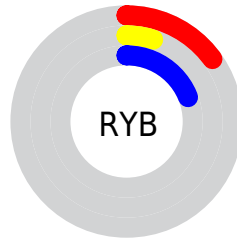
The Hex color **250E31** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **1A310E**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **53395F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **230931**, and if you desaturate by 10%, it is **271331**.

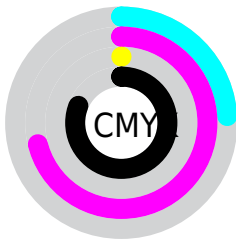
# Distribution



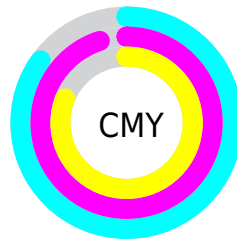
- Red (15%)
- Green (5%)
- Blue (19%)



- Red (15%)
- Yellow (5%)
- Blue (19%)



- Cyan (24%)
- Magenta (71%)
- Yellow (0%)
- Black (81%)



- Cyan (85%)
- Magenta (95%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 250E31 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 250E31 by changing the saturation by 10% instead.



 250E31

 250E31

 FFEFFF

 0E001C

 53395F

 000000

 6C5078

 856892

 A082AD

 BB9CC8

 D7B7E4

 F4D3FF

 250E31

 250E31

■ 230931

■ 271331

■ 220431

■ 281831

■ 200031

■ 2A1D31

■ 2C2231

■ 2D2731

■ 2F2B31

■ 313031

■ 323531

■ 343A31

# Harmonies

## Analogous

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



00173B



250E31



340521

# Triad

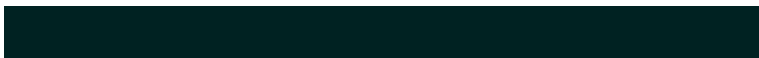
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



250E31



261500



002222

# Complementary

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



250E31



1A310E

# 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.



00210E



250E31



161B00

# Square

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



250E31



320C00



001F00



002032

# Rectangle

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



250E31



370315



001F00



00221C



# Sweetspot

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



250E31



3B3240



0E1A31



1E1921



A1A1A1



212121



# Same Dimension

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



250E31



2D0940



310E2C



19171A



3B0059



8E00D9



# Inverse Universe

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



310E1A



40091C



0E3113



1A1718



59001F

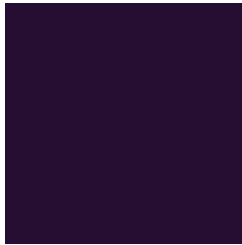


D9004A



# Previews

## White Background



This preview shows how the Hex color 250E31 looks on a white background.

## Color Contrast Check

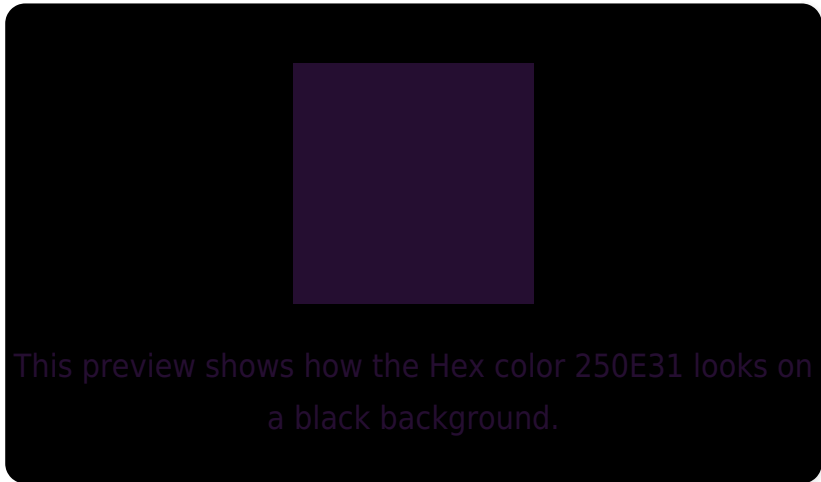
Large Text (above 18pt) WCAG AA ✓ Pass

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

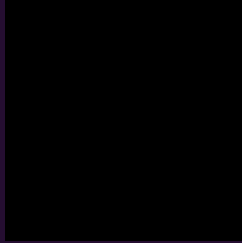
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 250E31 Background



This preview shows how black text looks on a background with the Hex color 250E31.



This preview shows how white text looks on a background with the Hex color 250E31.

# 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](#).

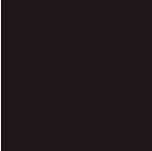
## Dichromacy



**Original Color**  
250E31

**Protanopia**  
001934

**Deuteranopia**  
001A2E



**Tritanopia**  
211718

# Trichromacy



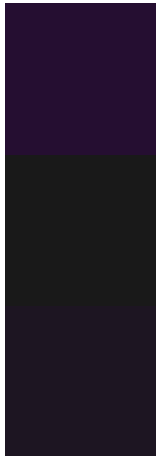
**Original Color**  
250E31

**Protanomaly**  
0D1533

**Deuteranomaly**  
0D162F

**Tritanomaly**  
221421

# Monochromacy



**Original Color**  
250E31

**Achromatopsia**  
191919

**Achromatomaly**  
1D1522

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 250E31 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 #250E31 looks like.

```
.text, #text, p{  
    color:#250E31  
}
```

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 #250E31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #250E31
}
```

## Border

The CSS property to change the border of an element to Hex 250E31 is called "border". The border property can be set on classes, ids or directly on the HTML element.

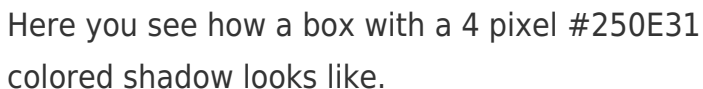
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#250E31 }
```

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

```
.border{ border-color:#250E31 }
```

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



Here you see how a box with a 4 pixel #250E31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #250E31; -webkit-box-shadow:4px 4px  
4px 4px #250E31; box-shadow:4px 4px 4px  
4px #250E31 }
```

# Background

The CSS property to change the background color of an element to Hex 250E31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#250E31 }
```

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

```
.background{ background-color:#250E31 }
```

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