

# Converting Colors

Hex(181236)

Have a look what the booklet for  
Hex(181236) contains.

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# Color

**Hex(181236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	181236
RGB	24, 18, 54
RGB Percent	9%, 7%, 21%
CMY	0.9059, 0.9294, 0.7882
CMYK	0.56, 0.67, 0.00, 0.79
HSL	250°, 50%, 14%
HSV	250°, 67%, 21%
XYZ	1.2588, 0.8931, 3.5961
YIQ	23.8980, -7.9800, 12.4680

# Conversions

## Conversions Part 2

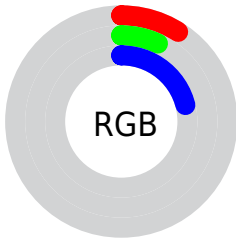
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 18, 54
Decimal	1577526
CIE <sub>Lab</sub>	8.07, 14.56, -22.67
CIE <sub>LCh</sub>	8, 26.945, 302.708
Yxy	0.8931, 0.2190, 0.1554
Android (android.graphics.Color)	4279767606 (0xFF181236)
YUV	23.8980, 14.8403, 0.0895
Hunter-Lab	9.4506, 7.2381, -15.9451

# Details

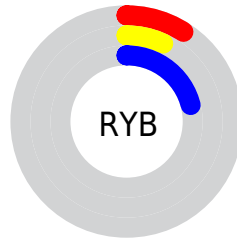
The Hex color **181236** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **303612**, and the grayscale version is **181818**.

A 20% lighter version of the original color is **463C65**, and **000005** is the 20% darker color. If you saturate the color by 10%, you get **140D36**, and if you desaturate by 10%, it is **1D1736**.

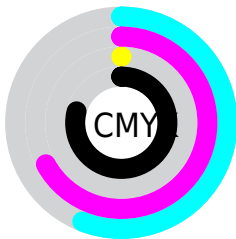
# Distribution



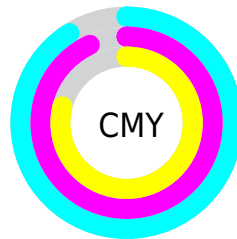
- Red (9%)
- Green (7%)
- Blue (21%)



- Red (9%)
- Yellow (7%)
- Blue (21%)



- Cyan (56%)
- Magenta (67%)
- Yellow (0%)
- Black (79%)



- Cyan (91%)
- Magenta (93%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 181236 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 181236 by changing the saturation by 10% instead.




 181236

 181236

 FFF2FF

 000021

 463C65

 000005

 5E537E

 000000

 786B98

 9285B3

 AC9FCF

 C8BAEB

 E4D6FF

 181236

 181236

■ 140D36

■ 1D1736

■ 0F0736

■ 211D36

■ 0B0236

■ 262236

■ 090036

■ 2A2836

■ 2F2D36

■ 333236

■ 383836

■ 3C3D36

■ 414336

# Harmonies

## Analogous

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



001A3C



181236



2E0828

# Triad

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



181236



2C1000



002119

# Complementary

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



181236



303612

# 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.



002000



181236



1E1700

# Square

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



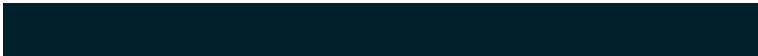
181236



350600



071D00



00212B

# Rectangle

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



181236



34031D



071D00



002112



# Sweetspot

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



181236



3C3947



123036



1D1B24



A3A3A3



242424



# Same Dimension

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



181236



180E47



2A1236



1A191C



0F005C



2500DB



# Inverse Universe

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



361230



470E3E



1E3612



1C191C



5C004D



DB00B7



# Previews

## White Background



This preview shows how the Hex color 181236 looks on a white background.

## Color Contrast Check

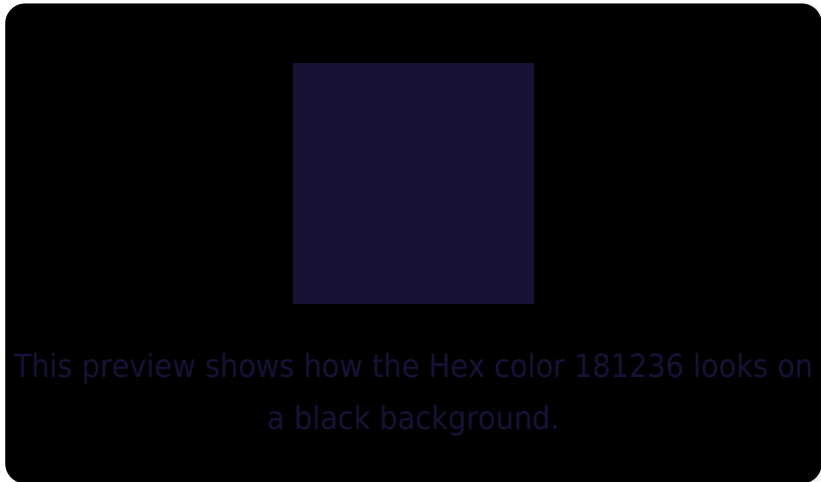
Large Text (above 18pt) WCAG AA ✓ Pass

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

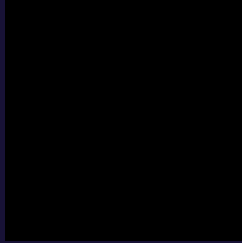
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 181236 Background



This preview shows how black text looks on a background with the Hex color 181236.



This preview shows how white text looks on a background with the Hex color 181236.

# 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**  
181236

**Protanopia**  
001732

**Deuteranopia**  
00192B



**Tritanopia**  
0F1A1C

# Trichromacy



**Original Color**  
181236

**Protanomaly**  
091533

**Deuteranomaly**  
09162F

**Tritanomaly**  
121725

# Monochromacy



**Original Color**  
181236

**Achromatopsia**  
181818

**Achromatomaly**  
181623

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 181236 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 #181236 looks like.

```
.text, #text, p{  
    color:#181236  
}
```

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 #181236 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #181236
}
```

## Border

The CSS property to change the border of an element to Hex 181236 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
#181236 }
```

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

```
.border{ border-color:#181236 }
```

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

Here you see how a box with a 4 pixel #181236 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #181236; -webkit-box-shadow:4px 4px  
4px 4px #181236; box-shadow:4px 4px 4px  
4px #181236 }
```

# Background

The CSS property to change the background color of an element to Hex 181236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#181236 }
```

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

```
.background{ background-color:#181236 }
```

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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