

# Converting Colors

Hex(180A1B)

Have a look what the booklet for  
Hex(180A1B) contains.

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# Color

**Hex(180A1B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	180A1B
RGB	24, 10, 27
RGB Percent	9%, 4%, 11%
CMY	0.9059, 0.9608, 0.8941
CMYK	0.11, 0.63, 0.00, 0.89
HSL	289°, 46%, 7%
HSV	289°, 63%, 11%
XYZ	0.6831, 0.4904, 1.0956
YIQ	16.1240, 2.8870, 8.2550

# Conversions

## Conversions Part 2

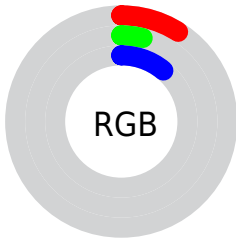
<b>Format</b>	<b>Color</b>
<b>RYB</b>	24, 10, 27
Decimal	1575451
CIELab	4.43, 8.89, -7.95
CIElCh	4, 11.926, 318.172
Yxy	0.4904, 0.3010, 0.2161
Android (android.graphics.Color)	4279765531 (0xFF180A1B)
YUV	16.1240, 5.3619, 6.9073
Hunter-Lab	7.0029, 5.1558, -4.3736

# Details

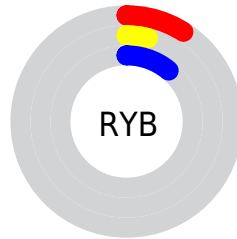
The Hex color **180A1B** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **0D1B0A**, and the grayscale version is **101010**.

A 20% lighter version of the original color is **423646**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **18071B**, and if you desaturate by 10%, it is **180D1B**.

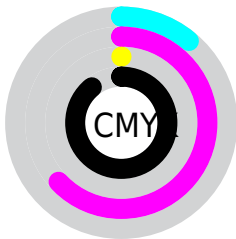
# Distribution



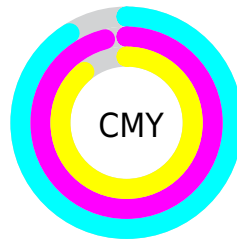
- Red (9%)
- Green (4%)
- Blue (11%)



- Red (9%)
- Yellow (4%)
- Blue (11%)



- Cyan (11%)
- Magenta (63%)
- Yellow (0%)
- Black (89%)



- Cyan (91%)
- Magenta (96%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 180A1B 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 180A1B by changing the saturation by 10% instead.



■ 180A1B

■ 180A1B

■ FAEAFE

■ 000000

■ 423646

■ 5A4D5E

■ 726576

■ 8C7E90

■ A698AA

■ C1B2C6

■ DDCEE2

■ 180A1B

■ 180A1B

■ 18071B

■ 180D1B

■ 17051B

■ 190F1B

■ 17021B

■ 19121B

■ 16001B

■ 1A151B

■ 1A171B

■ 1B1A1B

■ 1B1D1B

■ 1C201B

■ 1C221B

# Harmonies

## Analogous

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



0C0E1F



180A1B



1E0714

# Triad

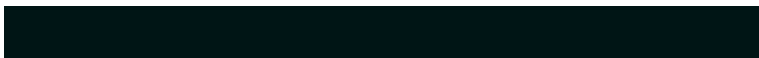
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



180A1B



190D00



001515

# Complementary

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



180A1B



0D1B0A

# 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.



00150A



180A1B



0F1100

# Square

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



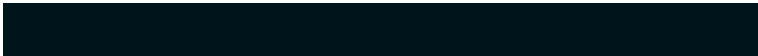
180A1B



1F0900



021400



00141C

# Rectangle

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



180A1B



21070C



021400



001512



# Sweetspot

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



180A1B



231D24



0A0D1B



110E12



919191



121212



# Same Dimension

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



180A1B



1F0924



1B0A16



0D0B0D



3F004D



A800CC



# Inverse Universe

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



1B0A0D



24090D



0A1B0F



0D0B0C



4D000E

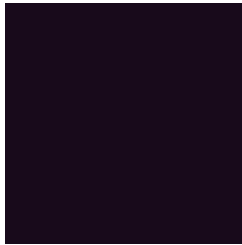


CC0024



# Previews

## White Background



This preview shows how the Hex color 180A1B looks on a white background.

## Color Contrast Check

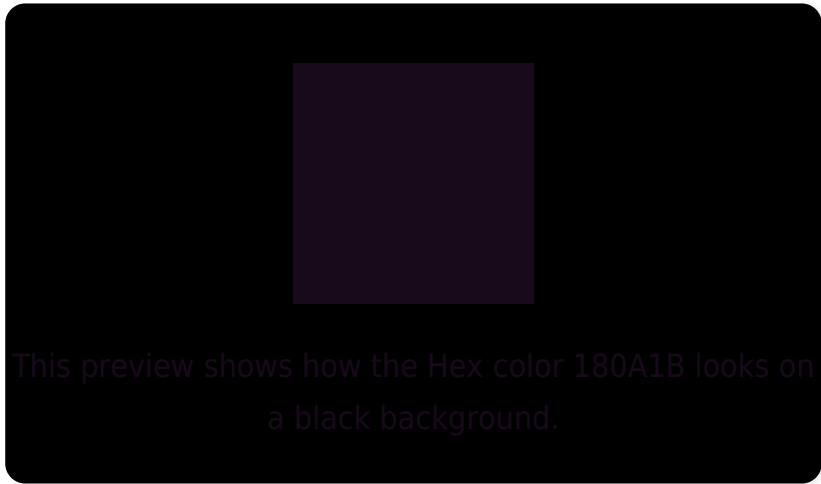
Large Text (above 18pt) WCAG AA ✓ Pass

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

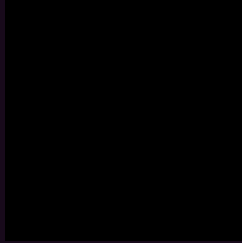
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 180A1B Background



This preview shows how black text looks on a background with the Hex color 180A1B.



This preview shows how white text looks on a background with the Hex color 180A1B.

# 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**  
180A1B

**Protanopia**  
041021

**Deuteranopia**  
0A101A



**Tritanopia**  
160E0F

# Trichromacy



**Original Color**

180A1B

**Protanomaly**

0B0E1F

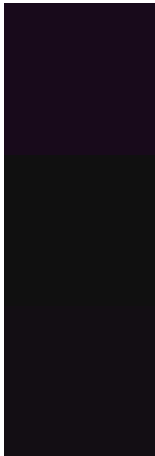
**Deuteranomaly**

0F0E1A

**Tritanomaly**

170D13

# Monochromacy



**Original Color**

180A1B

**Achromatopsia**

101010

**Achromatomaly**

130E14

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 180A1B 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 #180A1B looks like.

```
.text, #text, p{  
    color:#180A1B  
}
```

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 #180A1B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #180A1B
}
```

## Border

The CSS property to change the border of an element to Hex 180A1B 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
#180A1B }
```

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

```
.border{ border-color:#180A1B }
```

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

Here you see how a box with a 4 pixel #180A1B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #180A1B; -webkit-box-shadow:4px 4px  
4px 4px #180A1B; box-shadow:4px 4px 4px  
4px #180A1B }
```

# Background

The CSS property to change the background color of an element to Hex 180A1B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#180A1B }
```

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

```
.background{ background-color:#180A1B }
```

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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