# Converting Colors

Hex(00180A)

Have a look what the booklet for Hex(00180A) contains.

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# Color

**Hex(00180A)**

# Conversions

Conversions Part 1

| Format | Color |
|---|---|
| Hex | 00180A |
| RGB | 0, 24, 10 |
| RGB Percent | 0%, 9%, 4% |
| CMY | 1.0000, 0.9059, 0.9608 |
| CMYK | 1.00, 0.00, 0.58, 0.91 |
| HSL | 145°, 100%, 5% |
| HSV | 145°, 100%, 9% |
| XYZ | 0.3814, 0.6752, 0.3974 |
| YIQ | 15.2280, -9.8100, -9.4420 |

# Conversions

Conversions Part 2

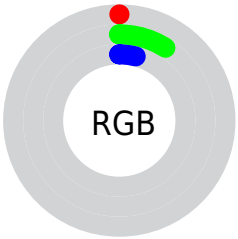
| Format | Color |
|---|---|
| RYB | 0, 17, 24 |
| Decimal | 6154 |
| CIELab | 6.10, -10.66, 4.83 |
| CIELCh | 6, 11.707, 155.626 |
| Yxy | 0.6752, 0.2623, 0.4644 |
| Android (android.graphics.Color) | 4278196234 (0xFF00180A) |
| YUV | 15.2280, -2.5774, -13.3550 |
| Hunter-Lab | 8.2169, -6.0939, 2.8845 |

# Details

The Hex color 00180A is a dark color, and the websafe version is hex 000000. A complement of this color would be 18000E, and the grayscale version is 0F0F0F.

A 20% lighter version of the original color is 2F4236, and 000000 is the 20% darker color. If you saturate the color by 10%, you get 00180A, and if you desaturate by 10%, it is 02180B.

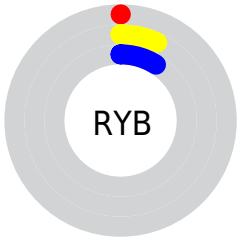
# Distribution




Red (0%)

Green (9%)

Blue (4%)




Red (0%)

Yellow (7%)

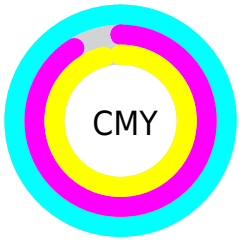
Blue (9%)

Cyan (100%)

Magenta (0%)

Yellow (58%)

Black (91%)




Cyan (100%)

Magenta (91%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00180A 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 00180A by changing the saturation by 10% instead.

00180A

E2FAEA

2F4236

455A4D

5D7265

768C7E

90A698

AAC1B2

C6DDCE

00180A

00180A

000000

00180A

02180B

05180D

07180E

0A1810

0C1811

0E1812

111814

131815

161817

# Harmonies

## Analogous

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

0F1600

00180A

001915

# Triad

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

00180A

0A1423

230E06

# Complementary

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

00180A

18000E

# 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.

230D12

00180A

171120

# Square

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

00180A

001621

1F0E1A

201000

# Rectangle

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

00180A

00181A

1F0E1A

230D0A

# Sweetspot

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

00180A

151F19

0E1800

0A0F0C

8F8F8F

0F0F0F

# Same Dimension

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

00180A

001F0D

001816

0B0D0C

004D20

00CC55

# Inverse Universe

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

18000E

1F0012

180002

0D0B0C

4D002D

CC0077

# Previews

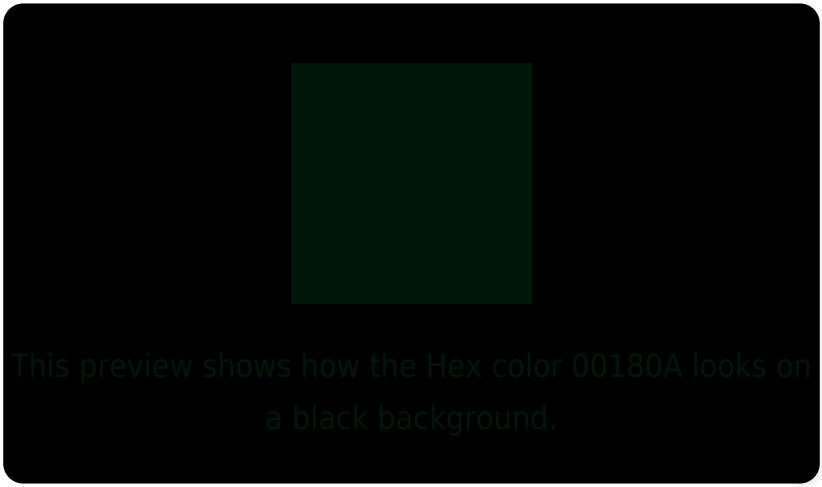
## White Background

This preview shows how the Hex color 00180A 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

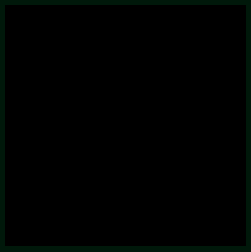



### Color Contrast Check

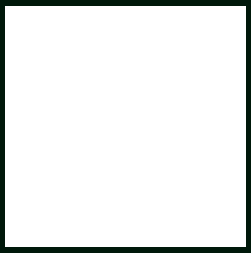
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

# Hex 00180A Background



This preview shows how black text looks on a background with the Hex color 00180A.



This preview shows how white text looks on a background with the Hex color 00180A.

# 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**
00180A

**Protanopia**
171509

**Deuteranopia**
19140B

**Tritanopia**
091718

# Trichromacy

**Original Color**
00180A

**Protanomaly**
0F1609

**Deuteranomaly**
10150B

**Tritanomaly**
061713

# Monochromacy

**Original Color**
00180A

**Achromatopsia**
0F0F0F

**Achromatomaly**
0A120D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00180A 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 #00180A looks like.

```
.text, #text, p{
    color:#00180A
}
```

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 #00180A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00180A }
```

## Border

The CSS property to change the border of an element to Hex 00180A 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 #00180A }
```

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

```
.border{ border-color:#00180A }
```

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

Here you see how a box with a 4 pixel #00180A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px #00180A; -webkit-box-shadow:4px 4px 4px 4px #00180A; box-shadow:4px 4px 4px 4px #00180A }
```

# Background

The CSS property to change the background color of an element to Hex 00180A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:#00180A }
```

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

```
.background{ background-color:#00180A }
```

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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