

# Converting Colors

Hex(090018)

Have a look what the booklet for  
Hex(090018) contains.

<b>Hex(090018)</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(090018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	090018
RGB	9, 0, 24
RGB Percent	4%, 0%, 9%
CMY	0.9647, 1.0000, 0.9059
CMYK	0.63, 1.00, 0.00, 0.91
HSL	262°, 100%, 5%
HSV	262°, 100%, 9%
XYZ	0.2775, 0.1240, 0.8735
YIQ	5.4270, -2.3400, 9.3720

# Conversions

## Conversions Part 2

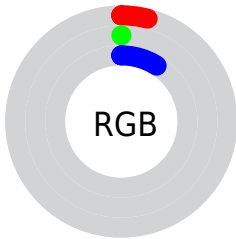
Format	Color
<b>R<sub>YB</sub></b>	9, 0, 24
Decimal	589848
CIE Lab	1.12, 6.54, -10.56
CIE LCh	1, 12.423, 301.765
Yxy	0.1240, 0.2177, 0.0973
Android (android.graphics.Color)	4278779928 (0xFF090018)
YUV	5.4270, 9.1565, 3.1335
Hunter-Lab	3.5217, 7.9036, -12.2401

# Details

The Hex color **090018** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **0F1800**, and the grayscale version is **050505**.

A 20% lighter version of the original color is **353042**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **090018**, and if you desaturate by 10%, it is **0B0218**.

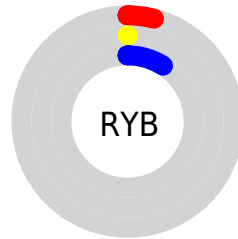
# Distribution



Red (4%)

Green (0%)

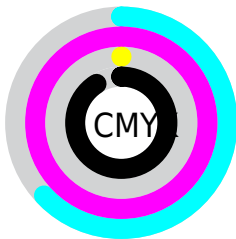
Blue (9%)



Red (4%)

Yellow (0%)

Blue (9%)

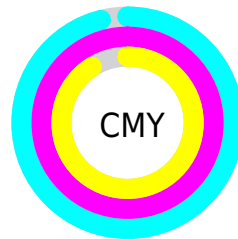


Cyan (63%)

Magenta (100%)

Yellow (0%)

Black (91%)



Cyan (96%)

Magenta (100%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 090018 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 090018 by changing the saturation by 10% instead.



■ 090018

■ 090018

■ E9E2FA

■ 000000

■ 353042

■ 4C475A

■ 645E72

■ 7D778C

■ 9690A6

■ B1ABC1

■ CDC6DD

■ 090018

■ 0B0218

■ 0C0518

■ 0E0718

■ 0F0A18

■ 100C18

■ 120E18

■ 141118

■ 151318

■ 161618

# Harmonies

## Analogous

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



00051A



090018



160011

# Triad

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



090018



130000



000805

# Complementary

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



090018



0F1800

# 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.



000800



090018



050400

# Square

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



090018



1A0000



000800



000812

# Rectangle

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



090018



1A0009



000800



# Sweetspot

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



090018



19151F



000F18



0C0A0F



8F8F8F



0F0F0F



# Same Dimension

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



090018



0B001F



150018



0C0B0D



1D004D



4D00CC



# Inverse Universe

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



18000F



1F0013



031800



0D0B0C



4D0030



CC0080



# Previews

## White Background



This preview shows how the Hex color 090018 looks on a white background.

## Color Contrast Check

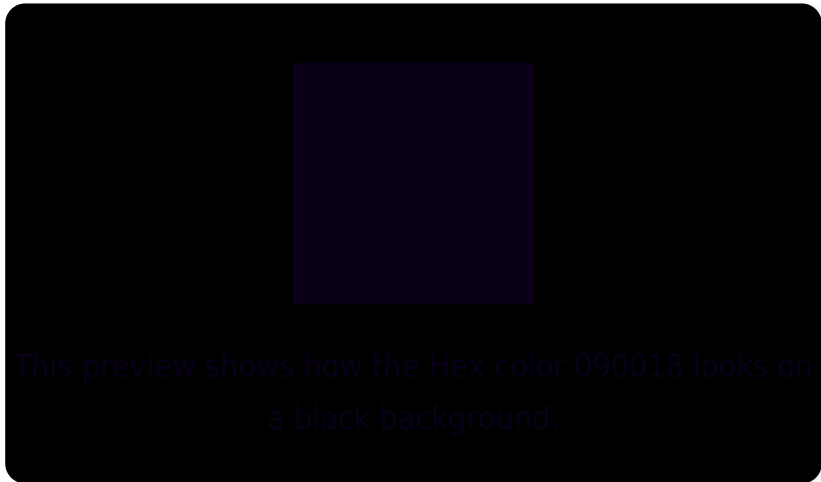
Large Text (above 18pt) WCAG AA ✓ Pass

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

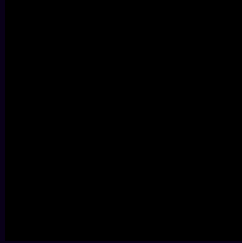
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 090018 Background



This preview shows how black text looks on a background with the Hex color 090018.



This preview shows how white text looks on a background with the Hex color 090018.

# 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](#).

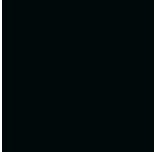
## Dichromacy



**Original Color**  
090018

**Protanopia**  
000811

**Deuteranopia**  
00090E



**Tritanopia**  
00090A

# Trichromacy



**Original Color**  
090018

**Protanomaly**  
030514

**Deuteranomaly**  
030612

**Tritanomaly**  
03060F

# Monochromacy



**Original Color**  
090018

**Achromatopsia**  
050505

**Achromatomaly**  
06030C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 090018 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 #090018 looks like.

```
.text, #text, p{  
    color:#090018  
}
```

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 #090018 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #090018
}
```

## Border

The CSS property to change the border of an element to Hex 090018 is called "border". The border property can be set on classes, ids or directly on the HTML element.

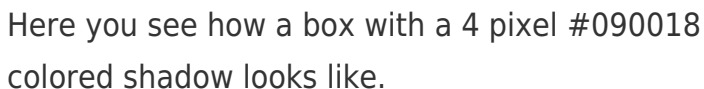
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#090018 }
```

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

```
.border{ border-color:#090018 }
```

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



Here you see how a box with a 4 pixel #090018 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #090018; -webkit-box-shadow:4px 4px  
4px 4px #090018; box-shadow:4px 4px 4px  
4px #090018 }
```

# Background

The CSS property to change the background color of an element to Hex 090018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#090018 }
```

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

```
.background{ background-color:#090018 }
```

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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