

# Converting Colors

Hex(093838)

Have a look what the booklet for  
Hex(093838) contains.

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# Color

**Hex(093838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	093838
RGB	9, 56, 56
RGB Percent	4%, 22%, 22%
CMY	0.9647, 0.7804, 0.7804
CMYK	0.84, 0.00, 0.00, 0.78
HSL	180°, 72%, 13%
HSV	180°, 84%, 22%
XYZ	2.2406, 3.1719, 4.2355
YIQ	41.9470, -28.0120, -9.9640

# Conversions

## Conversions Part 2

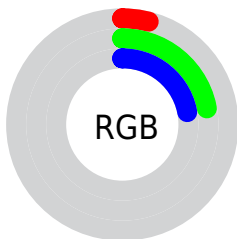
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	9, 33, 56
Decimal	604216
CIE <sub>Lab</sub>	20.72, -14.91, -4.46
CIE <sub>LCh</sub>	21, 15.560, 196.642
Yxy	3.1719, 0.2322, 0.3288
Android (android.graphics.Color)	4278794296 (0xFF093838)
YUV	41.9470, 6.9281, -28.8945
Hunter-Lab	17.8100, -8.7107, -1.6333

# Details

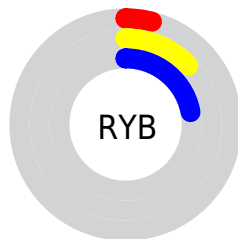
The Hex color **093838** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **380909**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **3C6767**, and **00050D** is the 20% darker color. If you saturate the color by 10%, you get **033838**, and if you desaturate by 10%, it is **0F3838**.

# Distribution



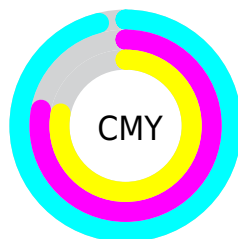
- Red (4%)
- Green (22%)
- Blue (22%)



- Red (4%)
- Yellow (13%)
- Blue (22%)



- Cyan (84%)
- Magenta (0%)
- Yellow (0%)
- Black (78%)



- Cyan (96%)
- Magenta (78%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 093838 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 093838 by changing the saturation by 10% instead.



 093838

 093838

 F8FFFF

 002223

 3C6767

 00050D

 558080

 000000

 6F9A9A

 89B5B5

 A4D1D0

 BFEDEC

 DBFFFF

 093838

 093838

033838

0F3838

003838

143838

1A3838

1F3838

253838

2B3838

303838

363838

3B3838

# Harmonies

## Analogous

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



18382C



093838



073742

# Triad

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



093838



3B2D42



3E2F1C

# Complementary

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



093838



380909

# 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.



462C22



093838



452A37

# Square

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



093838



2C3148



48292C



33331C

# Rectangle

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



093838



123547



48292C



412E1D



# Sweetspot

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



093838



374A4A



093809



1B2626



A6A6A6



262626



# Same Dimension

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



093838



004A4A



092138



191C1C



005C5C



00DBDB



# Inverse Universe

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



380938



4A004A



382109



1C191C



5C005C

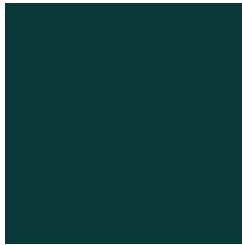


DB00DB



# Previews

## White Background



This preview shows how the Hex color 093838 looks on a white background.

## Color Contrast Check

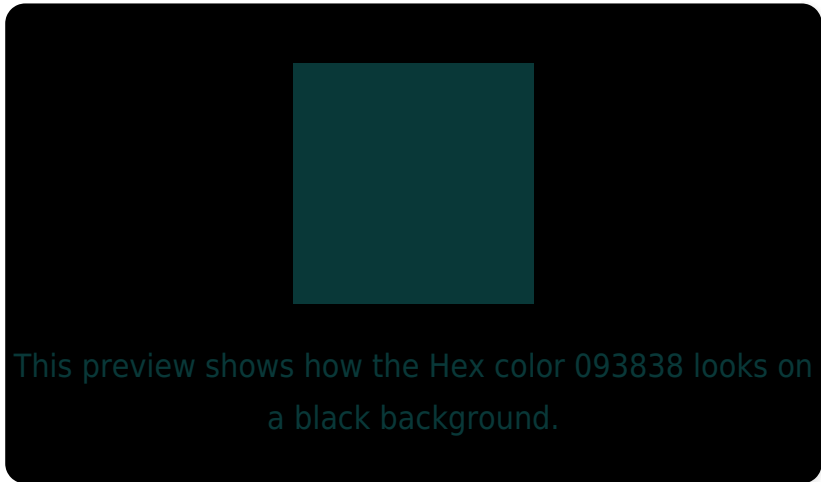
Large Text (above 18pt) WCAG AA ✓ Pass

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

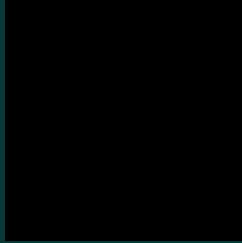
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 093838 Background



This preview shows how black text looks on a background with the Hex color 093838.



This preview shows how white text looks on a background with the Hex color 093838.

# 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](#).

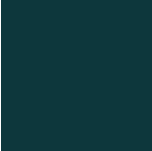
## Dichromacy



**Original Color**  
093838

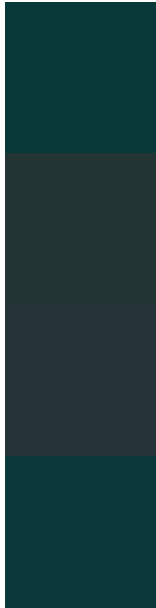
**Protanopia**  
323234

**Deuteranopia**  
33313A



**Tritanopia**  
0D373C

# Trichromacy



**Original Color**  
093838

**Protanomaly**  
233435

**Deuteranomaly**  
243439

**Tritanomaly**  
0C373B

# Monochromacy



**Original Color**  
093838

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
1E2F2F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 093838 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 #093838 looks like.

```
.text, #text, p{  
    color:#093838  
}
```

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 #093838 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #093838
}
```

## Border

The CSS property to change the border of an element to Hex 093838 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
#093838 }
```

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

```
.border{ border-color:#093838 }
```

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

Here you see how a box with a 4 pixel #093838 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #093838; -webkit-box-shadow:4px 4px  
4px 4px #093838; box-shadow:4px 4px 4px  
4px #093838 }
```

# Background

The CSS property to change the background color of an element to Hex 093838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#093838 }
```

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

```
.background{ background-color:#093838 }
```

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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