

# Converting Colors

Hex(013648)

Have a look what the booklet for  
Hex(013648) contains.

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# Color

**Hex(013648)**

# Conversions

## Conversions Part 1

Format	Color
Hex	013648
RGB	1, 54, 72
RGB Percent	0%, 21%, 28%
CMY	0.9961, 0.7882, 0.7176
CMYK	0.99, 0.25, 0.00, 0.72
HSL	195°, 97%, 14%
HSV	195°, 99%, 28%
XYZ	2.5014, 3.1127, 6.5999
YIQ	40.2050, -37.3660, -5.6380

# Conversions

## Conversions Part 2

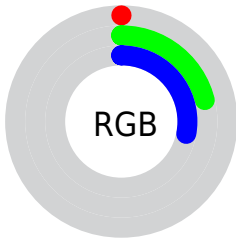
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	1, 31, 72
Decimal	79432
CIE Lab	20.49, -8.56, -15.65
CIE LCh	20, 17.837, 241.330
Yxy	3.1127, 0.2048, 0.2548
Android (android.graphics.Color)	4278269512 (0xFF013648)
YUV	40.2050, 15.6749, -34.3828
Hunter-Lab	17.6427, -5.5671, -9.8295

# Details

The Hex color **013648** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **481301**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **3B6579**, and **00051D** is the 20% darker color. If you saturate the color by 10%, you get **003648**, and if you desaturate by 10%, it is **083848**.

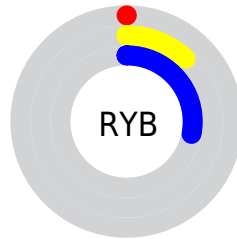
# Distribution



Red (0%)

Green (21%)

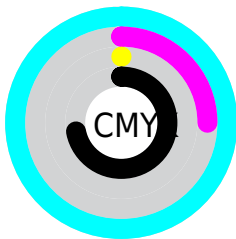
Blue (28%)



Red (0%)

Yellow (12%)

Blue (28%)

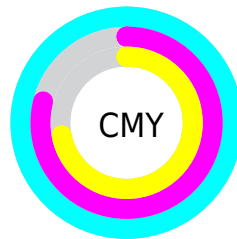


Cyan (99%)

Magenta (25%)

Yellow (0%)

Black (72%)



Cyan (100%)

Magenta (79%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 013648 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 013648 by changing the saturation by 10% instead.



013648

013648

F9FFFF

002131

3B6579

00051D

557E92

000000

6F98AD

89B2C8

A4CEE4

C0EAFF

DCFFFF

013648

013648

■ 003648

■ 083848

■ 0F3A48

■ 173B48

■ 1E3D48

■ 253F48

■ 2C4148

■ 334348

■ 3B4548

■ 424648

# Harmonies

## Analogous

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



00383F



013648



1E324B

# Triad

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



013648



4A2731



2C351A

# Complementary

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



013648



481301

# 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.



393117



013648



4A2824

# Square

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



013648



42293E



442C1B



1B3724

# Rectangle

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



013648



2D2F4A



442C1B



303318



# Sweetspot

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



013648



42575E



014813



1F2C30



B0B0B0



303030



# Same Dimension

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



013648



00465E



011348



202324



004A63



00A9E3



# Inverse Universe

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



480136



5E0046



483601



242023



63004A



E300A9



# Previews

## White Background



This preview shows how the Hex color 013648 looks on a white background.

## Color Contrast Check

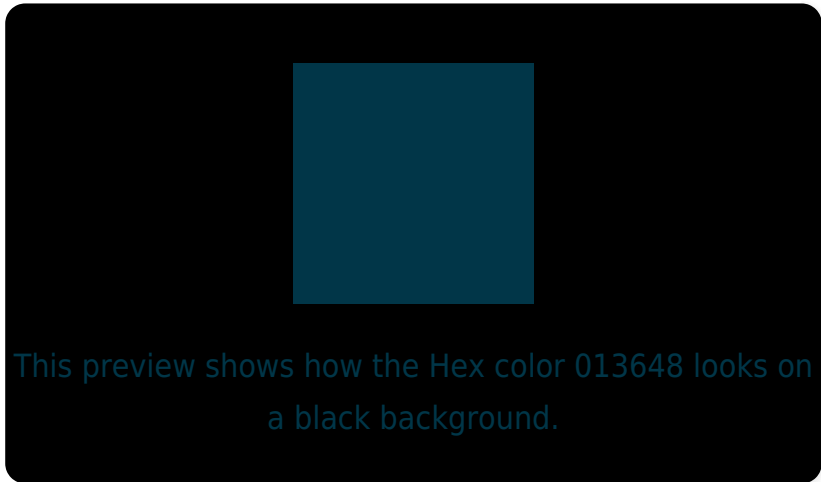
Large Text (above 18pt) WCAG AA ✓ Pass

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

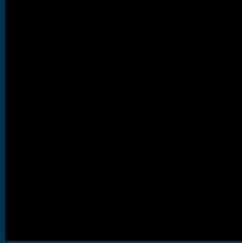
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

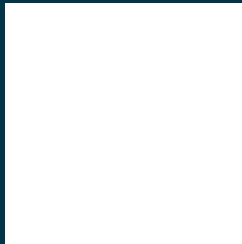
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 013648 Background



This preview shows how black text looks on a background with the Hex color 013648.



This preview shows how white text looks on a background with the Hex color 013648.

# 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**  
013648

**Protanopia**  
2C3144

**Deuteranopia**  
283249



**Tritanopia**  
00383C

# Trichromacy



**Original Color**  
013648

**Protanomaly**  
1C3345

**Deuteranomaly**  
1A3349

**Tritanomaly**  
003740

# Monochromacy



**Original Color**  
013648

**Achromatopsia**  
282828

**Achromatomaly**  
1A2D34

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 013648 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 #013648 looks like.

```
.text, #text, p{  
    color:#013648  
}
```

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 #013648 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #013648
}
```

## Border

The CSS property to change the border of an element to Hex 013648 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
#013648 }
```

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

```
.border{ border-color:#013648 }
```

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

Here you see how a box with a 4 pixel #013648 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #013648; -webkit-box-shadow:4px 4px  
4px 4px #013648; box-shadow:4px 4px 4px  
4px #013648 }
```

# Background

The CSS property to change the background color of an element to Hex 013648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#013648 }
```

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

```
.background{ background-color:#013648 }
```

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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