

# Converting Colors

Hex(004459)

Have a look what the booklet for  
Hex(004459) contains.

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# Color

**Hex(004459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004459
RGB	0, 68, 89
RGB Percent	0%, 27%, 35%
CMY	1.0000, 0.7333, 0.6510
CMYK	1.00, 0.24, 0.00, 0.65
HSL	194°, 100%, 17%
HSV	194°, 100%, 35%
XYZ	3.8703, 4.8555, 10.1844
YIQ	50.0620, -47.2690, -7.8850

# Conversions

## Conversions Part 2

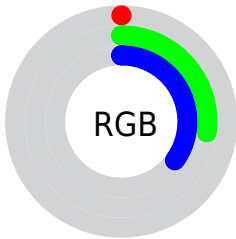
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 39, 89</a>
Decimal	<a href="#">17497</a>
CIELab	<a href="#">26.32, -10.39, -17.82</a>
CIElCh	<a href="#">26, 20.631, 239.753</a>
Yxy	<a href="#">4.8555, 0.2047, 0.2568</a>
Android (android.graphics.Color)	<a href="#">4278207577</a> ( <a href="#">0xFF004459</a> )
YUV	<a href="#">50.0620, 19.1964, -43.9044</a>
Hunter-Lab	<a href="#">22.0352, -7.2097, -11.9785</a>

# Details

The Hex color **004459** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **591500**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **41748B**, and **001A2B** is the 20% darker color. If you saturate the color by 10%, you get **004459**, and if you desaturate by 10%, it is **094659**.

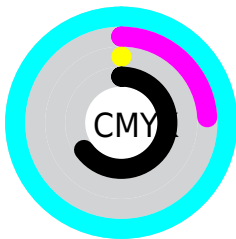
# Distribution



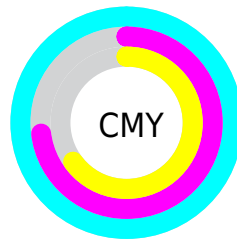
- Red (0%)
- Green (27%)
- Blue (35%)



- Red (0%)
- Yellow (15%)
- Blue (35%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (65%)



- Cyan (100%)
- Magenta (73%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004459 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 004459 by changing the saturation by 10% instead.



004459

004459

FFFFFF

002E42

41748B

001A2B

5B8EA5

000117

76A8C1

000000

91C3DD

ADDF9

C9FCFF

E6FFFF

004459

■ 094659

■ 124859

■ 1B4A59

■ 244C59

■ 2D4F59

■ 355159

■ 3E5359

■ 475559

■ 505759

# Harmonies

## Analogous

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



00464D



004459



26405D

# Triad

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



004459



5B323F



384222

# Complementary

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



004459



591500

# 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.



483D1E



004459



5C3330

# Square

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



004459



52354E



553824



25452E

# Rectangle

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



004459



383C5C



553824



3E4120



# Sweetspot

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



004459



506B73



005915



26363B



BABABA



3B3B3B



# Same Dimension

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



004459



005873



001859



272A2B



00526B



00B3EB



# Inverse Universe

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



590044



730058



594100



2B272A



6B0052



EB00B3



# Previews

## White Background



This preview shows how the Hex color 004459 looks on a white background.

## Color Contrast Check

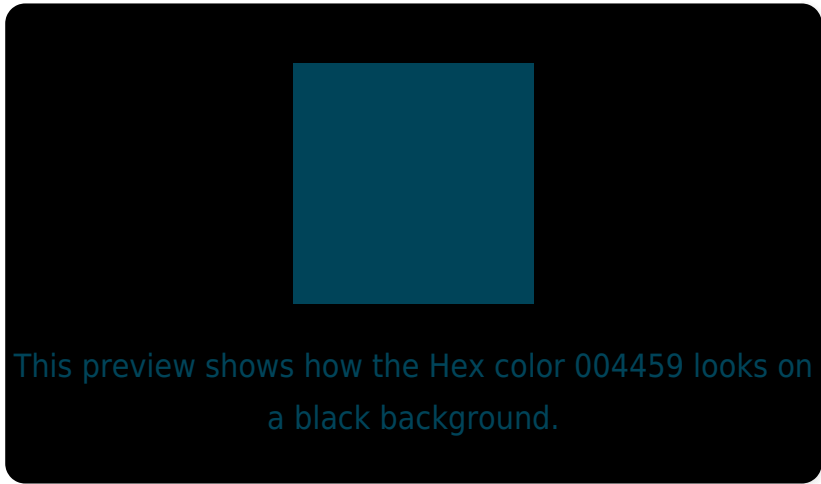
Large Text (above 18pt) WCAG AA ✓ Pass

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

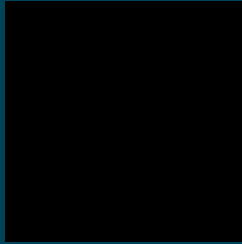
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

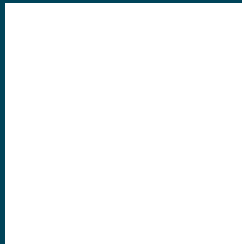
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 004459 Background



This preview shows how black text looks on a background with the Hex color 004459.

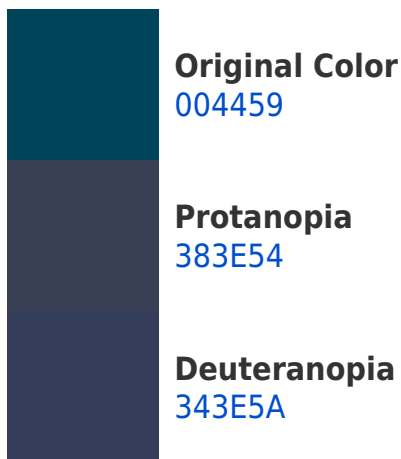


This preview shows how white text looks on a background with the Hex color 004459.

# 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](#).

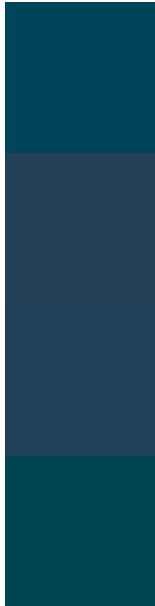
## Dichromacy





**Tritanopia**  
00464B

# Trichromacy



**Original Color**  
004459

**Protanomaly**  
244056

**Deuteranomaly**  
21405A

**Tritanomaly**  
004550

# Monochromacy



**Original Color**  
004459

**Achromatopsia**  
323232

**Achromatomaly**  
203940

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004459 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 #004459 looks like.

```
.text, #text, p{  
    color:#004459  
}
```

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 #004459 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004459
}
```

## Border

The CSS property to change the border of an element to Hex 004459 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
#004459 }
```

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

```
.border{ border-color:#004459 }
```

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

Here you see how a box with a 4 pixel #004459 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004459; -webkit-box-shadow:4px 4px  
4px 4px #004459; box-shadow:4px 4px 4px  
4px #004459 }
```

# Background

The CSS property to change the background color of an element to Hex 004459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004459 }
```

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

```
.background{ background-color:#004459 }
```

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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