

# Converting Colors

Hex(004152)

Have a look what the booklet for  
Hex(004152) contains.

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# Color

**Hex(004152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004152
RGB	0, 65, 82
RGB Percent	0%, 25%, 32%
CMY	1.0000, 0.7451, 0.6784
CMYK	1.00, 0.21, 0.00, 0.68
HSL	192°, 100%, 16%
HSV	192°, 100%, 32%
XYZ	3.4133, 4.3898, 8.6501
YIQ	47.5030, -44.1970, -8.4930

# Conversions

## Conversions Part 2

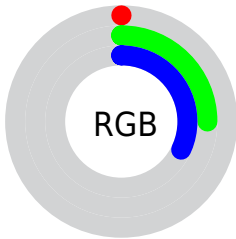
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 36, 82
Decimal	16722
CIELab	24.92, -11.42, -15.42
CIELCh	25, 19.192, 233.486
Yxy	4.3898, 0.2075, 0.2668
Android (android.graphics.Color)	4278206802 (0xFF004152)
YUV	47.5030, 17.0070, -41.6601
Hunter-Lab	20.9518, -7.5860, -9.8119

# Details

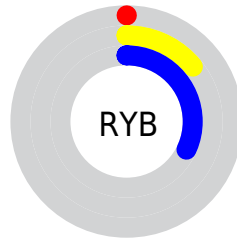
The Hex color **004152** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **521100**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **3F7183**, and **001725** is the 20% darker color. If you saturate the color by 10%, you get **004152**, and if you desaturate by 10%, it is **084352**.

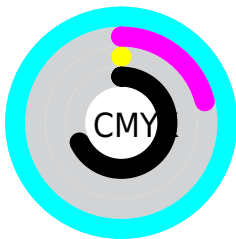
# Distribution



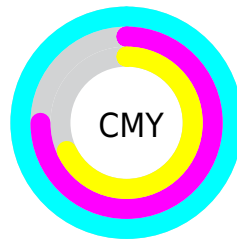
- Red (0%)
- Green (25%)
- Blue (32%)



- Red (0%)
- Yellow (14%)
- Blue (32%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (68%)



- Cyan (100%)
- Magenta (75%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004152 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 004152 by changing the saturation by 10% instead.



004152

004152

FFFFFF

002B3B

3F7183

001725

598A9E

00010F

73A5B8

000000

8EC0D4

A9DCF1

C6F8FF

E2FFFF

004152

■ 084352

■ 104452

■ 194652

■ 214852

■ 294A52

■ 314B52

■ 394D52

■ 424F52

■ 4A5052

# Harmonies

## Analogous

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



004346



004152



1F3E58

# Triad

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



004152



55303F



393E20

# Complementary

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



004152



521100

# 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.



47391E



004152



573030

# Square

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



004152



4A334D



523424



284129

# Rectangle

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



004152



303A57



523424



3E3C1E



# Sweetspot

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



004152



4B646B



005210



223236



B5B5B5



363636



# Same Dimension

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



004152



00556B



001952



252829



005369



00B8E8



# Inverse Universe

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



520041



6B0055



523900



292528



690053



E800B8



# Previews

## White Background



This preview shows how the Hex color 004152 looks on a white background.

## Color Contrast Check

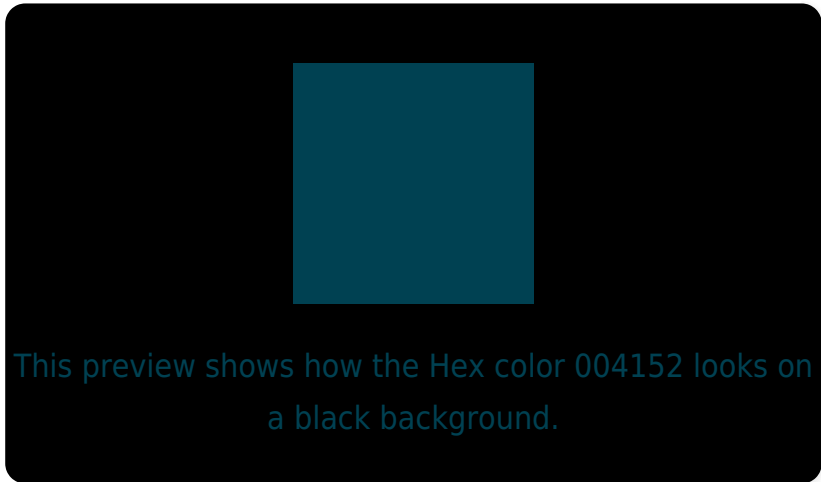
Large Text (above 18pt) WCAG AA ✓ Pass

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

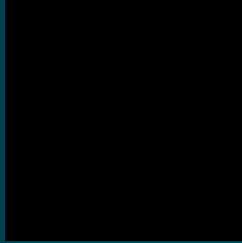
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

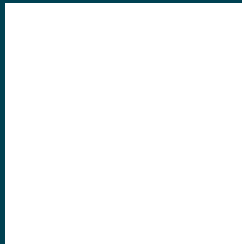
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 004152 Background



This preview shows how black text looks on a background with the Hex color 004152.



This preview shows how white text looks on a background with the Hex color 004152.

# 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**  
004152

**Protanopia**  
373B4D

**Deuteranopia**  
333B53



# Trichromacy



**Original Color**  
004152

**Protanomaly**  
233D4F

**Deuteranomaly**  
203D53

**Tritanomaly**  
00424B

# Monochromacy



**Original Color**  
004152

**Achromatopsia**  
303030

**Achromatomaly**  
1F363C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004152 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 #004152 looks like.

```
.text, #text, p{  
    color:#004152  
}
```

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 #004152 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004152
}
```

## Border

The CSS property to change the border of an element to Hex 004152 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
#004152 }
```

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

```
.border{ border-color:#004152 }
```

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

Here you see how a box with a 4 pixel #004152 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004152; -webkit-box-shadow:4px 4px  
4px 4px #004152; box-shadow:4px 4px 4px  
4px #004152 }
```

# Background

The CSS property to change the background color of an element to Hex 004152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004152 }
```

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

```
.background{ background-color:#004152 }
```

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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