

# Converting Colors

Hex(00435F)

Have a look what the booklet for  
Hex(00435F) contains.

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# Color

**Hex(00435F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00435F
RGB	0, 67, 95
RGB Percent	0%, 26%, 37%
CMY	1.0000, 0.7373, 0.6275
CMYK	1.00, 0.29, 0.00, 0.63
HSL	198°, 100%, 19%
HSV	198°, 100%, 37%
XYZ	4.0727, 4.8405, 11.5461
YIQ	50.1590, -48.9200, -5.4960

# Conversions

## Conversions Part 2

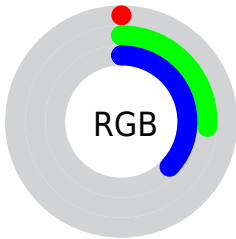
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 39, 95
Decimal	17247
CIELab	26.28, -7.26, -21.78
CIELCh	26, 22.953, 251.569
Yxy	4.8405, 0.1991, 0.2366
Android (android.graphics.Color)	4278207327 (0xFF00435F)
YUV	50.1590, 22.1066, -43.9894
Hunter-Lab	22.0012, -5.4594, -15.7143

# Details

The Hex color **00435F** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **5F1C00**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **427392**, and **001931** is the 20% darker color. If you saturate the color by 10%, you get **00435F**, and if you desaturate by 10%, it is **09465F**.

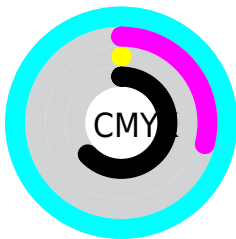
# Distribution



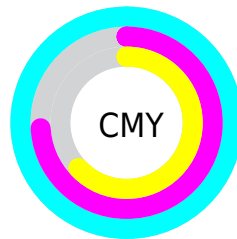
- Red (0%)
- Green (26%)
- Blue (37%)



- Red (0%)
- Yellow (15%)
- Blue (37%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (63%)



- Cyan (100%)
- Magenta (74%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00435F 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 00435F by changing the saturation by 10% instead.



00435F

00435F

FFFFFF

002D47

427392

001931

5D8CAC

00011C

78A7C8

000000

93C2E4

AFDEFF

CBFAFF

E8FFFF

00435F

■ 09465F

■ 13495F

■ 1D4B5F

■ 264E5F

■ 30515F

■ 39545F

■ 43575F

■ 4C595F

■ 565C5F

# Harmonies

## Analogous

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



004655



00435F



2E3E60

# Triad

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



00435F



5F3038



2F4423

# Complementary

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



00435F



5F1C00

# 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.



423F1B



00435F



5C3328

# Square

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



00435F



59314A



52391D



164633

# Rectangle

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



00435F



41395C



52391D



36431F



# Sweetspot

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



00435F



56707A



005F1B



27373D



BDBDBD



3D3D3D



# Same Dimension

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



00435F



00567A



00155F



2C2F30



004F70



00A9F0



# Inverse Universe

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



5F0043



7A0056



5F4A00



302C2F



70004F



F000A9



# Previews

## White Background



This preview shows how the Hex color 00435F looks on a white background.

### Color Contrast Check

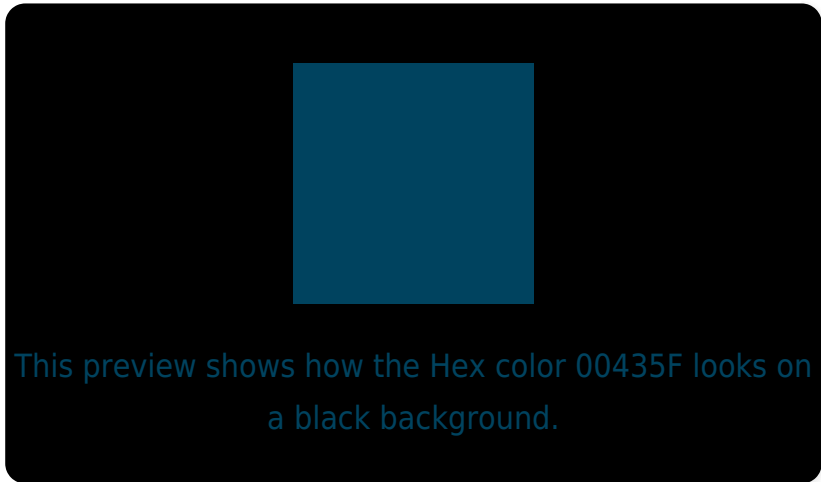
Large Text (above 18pt) WCAG AA ✓ Pass

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

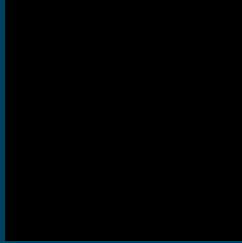
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00435F Background



This preview shows how black text looks on a background with the Hex color 00435F.

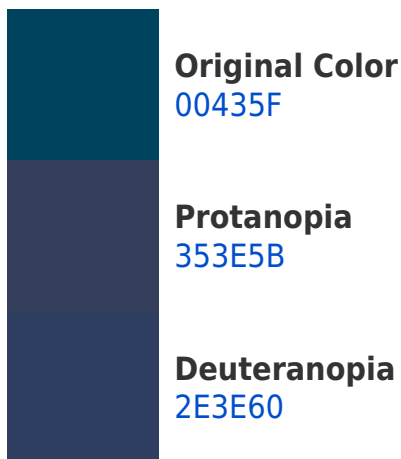


This preview shows how white text looks on a background with the Hex color 00435F.

# 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**  
00435F

**Protanomaly**  
22405C

**Deuteranomaly**  
1D4060

**Tritanomaly**  
004552

# Monochromacy



**Original Color**  
00435F

**Achromatopsia**  
323232

**Achromatomaly**  
203842

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00435F 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 #00435F looks like.

```
.text, #text, p{  
    color:#00435F  
}
```

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 #00435F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00435F
}
```

## Border

The CSS property to change the border of an element to Hex 00435F 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
#00435F }
```

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

```
.border{ border-color:#00435F }
```

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

Here you see how a box with a 4 pixel #00435F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00435F; -webkit-box-shadow:4px 4px  
4px 4px #00435F; box-shadow:4px 4px 4px  
4px #00435F }
```

# Background

The CSS property to change the background color of an element to Hex 00435F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00435F }
```

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

```
.background{ background-color:#00435F }
```

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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