

# Converting Colors

Hex(003E75)

Have a look what the booklet for  
Hex(003E75) contains.

<b>Hex(003E75)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(003E75)**

# Conversions

## Conversions Part 1

Format	Color
Hex	003E75
RGB	0, 62, 117
RGB Percent	0%, 24%, 46%
CMY	1.0000, 0.7569, 0.5412
CMYK	1.00, 0.47, 0.00, 0.54
HSL	208°, 100%, 23%
HSV	208°, 100%, 46%
XYZ	4.9335, 4.7296, 17.4825
YIQ	49.7320, -54.6070, 3.9610

# Conversions

## Conversions Part 2

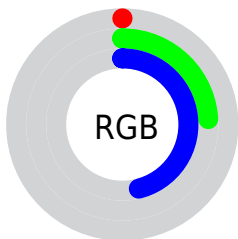
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 41, 117
Decimal	15989
CIELab	25.95, 5.69, -36.38
CIELCh	26, 36.819, 278.896
Yxy	4.7296, 0.1817, 0.1742
Android (android.graphics.Color)	4278206069 (0xFF003E75)
YUV	49.7320, 33.1631, -43.6150
Hunter-Lab	21.7477, 2.4348, -32.4387

# Details

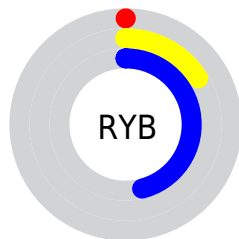
The Hex color **003E75** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **753700**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **496DAA**, and **001544** is the 20% darker color. If you saturate the color by 10%, you get **003E75**, and if you desaturate by 10%, it is **0C4375**.

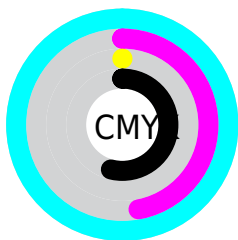
# Distribution



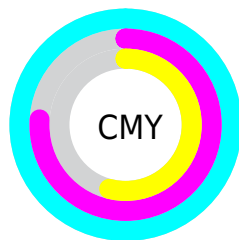
- Red (0%)
- Green (24%)
- Blue (46%)



- Red (0%)
- Yellow (16%)
- Blue (46%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (54%)



- Cyan (100%)
- Magenta (76%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003E75 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 003E75 by changing the saturation by 10% instead.



■ 003E75

■ 003E75

FFFFFF

■ 00295C

■ 496DAA

■ 001544

■ 6586C5

■ 00032D

■ 80A0E1

■ 000118

■ 9CBBFE

■ 000000

■ B8D7FF

■ D5F3FF

■ F3FFFF

■ 003E75

■ 0C4375

■ 174975

■ 234E75

■ 2F5475

■ 3B5A75

■ 465F75

■ 526475

■ 5E6A75

■ 696F75

# Harmonies

## Analogous

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



004672



003E75



493269

# Triad

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



003E75



6B281C



004928

# Complementary

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



003E75



753700

# 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.



25450D



003E75



5B3504

# Square

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



003E75



6F2136



433F00



004A45

# Rectangle

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



003E75



5E295B



433F00



00481F



# Sweetspot

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



003E75



6B8399



007537



31404D



CCCCCC



4D4D4D



# Same Dimension

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



003E75



005199



000475



35383B



00417A



0084FA



# Inverse Universe

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



75003E



990051



757100



3B3538



7A0041



FA0084



# Previews

## White Background



This preview shows how the Hex color 003E75 looks on a white background.

## Color Contrast Check

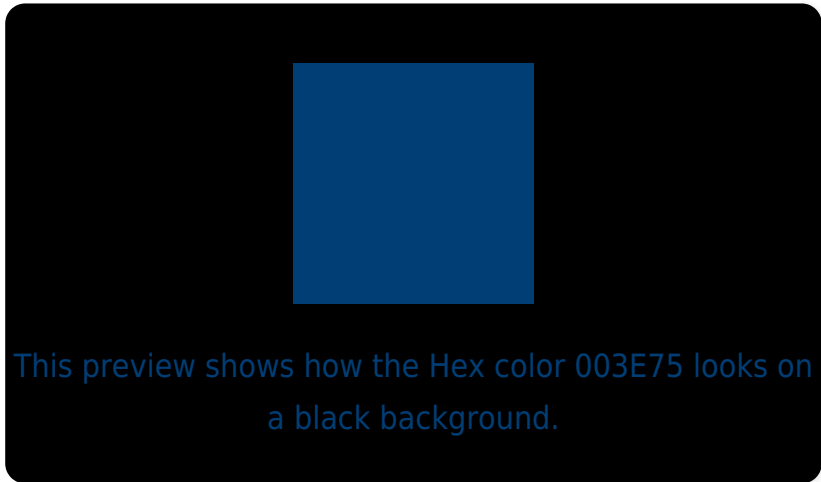
Large Text (above 18pt) WCAG AA ✓ Pass

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 003E75 Background



This preview shows how black text looks on a background with the Hex color 003E75.



This preview shows how white text looks on a background with the Hex color 003E75.

# 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





# Trichromacy



**Original Color**  
003E75

**Protanomaly**  
153D74

**Deuteranomaly**  
003F71

**Tritanomaly**  
004259

# Monochromacy



**Original Color**  
003E75

**Achromatopsia**  
323232

**Achromatomaly**  
20364A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003E75 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 #003E75 looks like.

```
.text, #text, p{  
    color:#003E75  
}
```

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 #003E75 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003E75
}
```

## Border

The CSS property to change the border of an element to Hex 003E75 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
#003E75 }
```

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

```
.border{ border-color:#003E75 }
```

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

Here you see how a box with a 4 pixel #003E75 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003E75; -webkit-box-shadow:4px 4px  
4px 4px #003E75; box-shadow:4px 4px 4px  
4px #003E75 }
```

# Background

The CSS property to change the background color of an element to Hex 003E75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003E75 }
```

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

```
.background{ background-color:#003E75 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor