

# Converting Colors

Hex(00074E)

Have a look what the booklet for  
Hex(00074E) contains.

<b>Hex(00074E)</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> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**Hex(00074E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00074E
RGB	0, 7, 78
RGB Percent	0%, 3%, 31%
CMY	1.0000, 0.9725, 0.6941
CMYK	1.00, 0.91, 0.00, 0.69
HSL	235°, 100%, 15%
HSV	235°, 100%, 31%
XYZ	1.4511, 0.7020, 7.2667
YIQ	13.0010, -26.9630, 20.5970

# Conversions

## Conversions Part 2

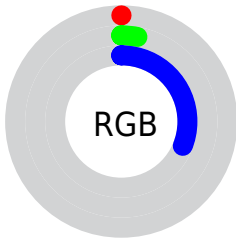
Format	Color
<a href="#">RYB</a>	<a href="#">0, 6, 78</a>
Decimal	<a href="#">1870</a>
CIELab	<a href="#">6.34, 27.74, -42.61</a>
CIELCh	<a href="#">6, 50.841, 303.068</a>
Yxy	<a href="#">0.7020, 0.1540, 0.0745</a>
Android (android.graphics.Color)	<a href="#">4278191950 (0xFF00074E)</a>
YUV	<a href="#">13.0010, 32.0445, -11.4019</a>
Hunter-Lab	<a href="#">8.3786, 16.2524, -45.5568</a>

# Details

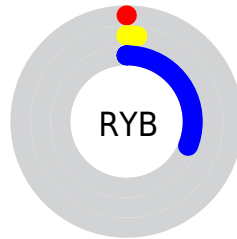
The Hex color **00074E** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **4E4700**, and the grayscale version is **0D0D0D**.

A 20% lighter version of the original color is **3F3280**, and **000220** is the 20% darker color. If you saturate the color by 10%, you get **00074E**, and if you desaturate by 10%, it is **080E4E**.

# Distribution



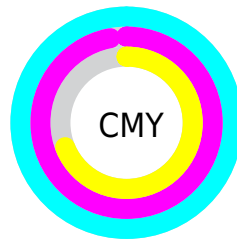
- Red (0%)
- Green (3%)
- Blue (31%)



- Red (0%)
- Yellow (2%)
- Blue (31%)



- Cyan (100%)
- Magenta (91%)
- Yellow (0%)
- Black (69%)



- Cyan (100%)
- Magenta (97%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00074E 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 00074E by changing the saturation by 10% instead.



00074E

00074E

FFE6FF

000037

3F3280

000220

59499A

000004

7461B6

000000

8F7AD2

AA93EE

C7AEFF

E3CAFF

00074E

■ 080E4E

■ 10154E

■ 171C4E

■ 1F234E

■ 272A4E

■ 2F324E

■ 37394E

■ 3E404E

■ 46474E

# Harmonies

## Analogous

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



001A5A



00074E



3B0033

# Triad

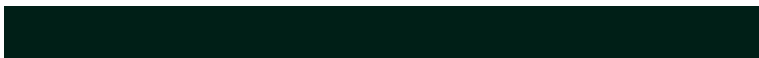
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



00074E



310200



001F17

# Complementary

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



00074E



4E4700

# 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.



001E00



00074E



171500

# Square

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



00074E



420000



001E00



002039

# Rectangle

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



00074E



46001E



001E00



001E07



# Sweetspot

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



00074E



474A66



004E46



212233



B3B3B3



333333



# Same Dimension

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



00074E



000966



1F004E



222326



0015E6

# Inverse Universe

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



4E0007



660009



2F4E00



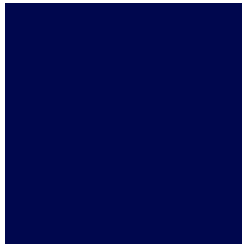
262223



E60015

# Previews

## White Background



This preview shows how the Hex color 00074E looks on a white background.

## Color Contrast Check

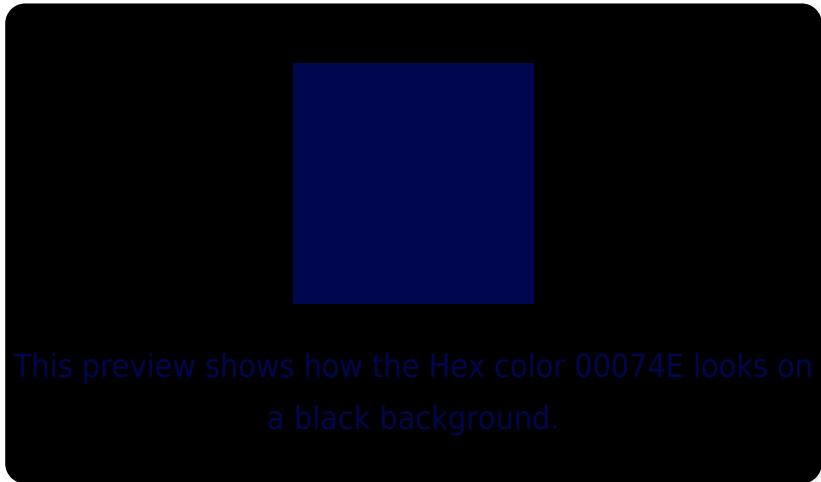
Large Text (above 18pt) WCAG AA ✓ Pass

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

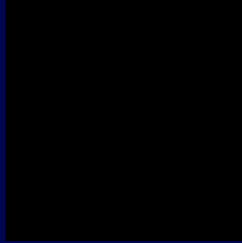
Any Text WCAG AA × Fail

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 00074E Background



This preview shows how black text looks on a background with the Hex color 00074E.



This preview shows how white text looks on a background with the Hex color 00074E.

# 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**  
00074E

**Protanopia**  
001731

**Deuteranopia**  
001929





**Tritanopia**  
001B1C

# Trichromacy



**Original Color**  
0074E

**Protanomaly**  
00113C

**Deuteranomaly**  
001236

**Tritanomaly**  
00142E

# Monochromacy



**Original Color**  
0074E

**Achromatopsia**  
0D0D0D

**Achromatomaly**  
080B25

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00074E 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 #00074E looks like.

```
.text, #text, p{  
    color:#00074E  
}
```

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 #00074E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00074E
}
```

## Border

The CSS property to change the border of an element to Hex 00074E 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
#00074E }
```

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

```
.border{ border-color:#00074E }
```

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

Here you see how a box with a 4 pixel #00074E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00074E; -webkit-box-shadow:4px 4px  
4px 4px #00074E; box-shadow:4px 4px 4px  
4px #00074E }
```

# Background

The CSS property to change the background color of an element to Hex 00074E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00074E }
```

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

```
.background{ background-color:#00074E }
```

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