

# Converting Colors

Hex(004D6D)

Have a look what the booklet for  
Hex(004D6D) contains.

<b>Hex(004D6D)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(004D6D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004D6D
RGB	0, 77, 109
RGB Percent	0%, 30%, 43%
CMY	1.0000, 0.6980, 0.5725
CMYK	1.00, 0.29, 0.00, 0.57
HSL	198°, 100%, 21%
HSV	198°, 100%, 43%
XYZ	5.4142, 6.4119, 15.4203
YIQ	57.6250, -56.1640, -6.3720

# Conversions

## Conversions Part 2

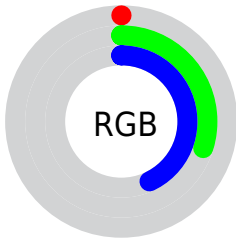
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 45, 109
Decimal	19821
CIELab	30.43, -7.74, -24.20
CIELCh	30, 25.408, 252.264
Yxy	6.4119, 0.1987, 0.2353
Android (android.graphics.Color)	4278209901 (0xFF004D6D)
YUV	57.6250, 25.3279, -50.5371
Hunter-Lab	25.3217, -6.1467, -18.3809

# Details

The Hex color **004D6D** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **6D2000**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **477EA1**, and **00213D** is the 20% darker color. If you saturate the color by 10%, you get **004D6D**, and if you desaturate by 10%, it is **0B506D**.

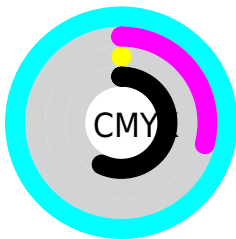
# Distribution



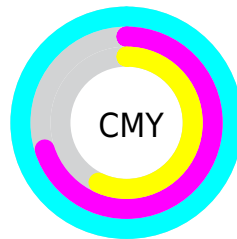
- Red (0%)
- Green (30%)
- Blue (43%)



- Red (0%)
- Yellow (18%)
- Blue (43%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (57%)



- Cyan (100%)
- Magenta (70%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004D6D 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 004D6D by changing the saturation by 10% instead.



004D6D

004D6D

FFFFFF

003655

477EA1

00213D

6298BC

000627

7EB2D8

000111

99CEF4

000000

B6EAF4

D2FFFF

FFFFFF

004D6D

■ 0B506D

■ 16536D

■ 21576D

■ 2C5A6D

■ 375D6D

■ 41606D

■ 4C636D

■ 57676D

■ 626A6D

# Harmonies

## Analogous

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



005162



004D6D



36476E

# Triad

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



004D6D



6D3740



364E29

# Complementary

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



004D6D



6D2000

# 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.



4C4920



004D6D



6A3B2E

# Square

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



004D6D



663954



5E4222



19513B

# Rectangle

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



004D6D



4B4269



5E4222



3E4D25



# Sweetspot

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



004D6D



64828F



006D1F



2E4047



C7C7C7



474747



# Same Dimension

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



004D6D



00658F



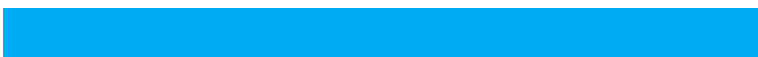
00186D



303436



005375



00ADF5



# Inverse Universe

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



6D004D



8F0065



6D5500



363034



750053



F500AD



# Previews

## White Background



This preview shows how the Hex color 004D6D looks on a white background.

## Color Contrast Check

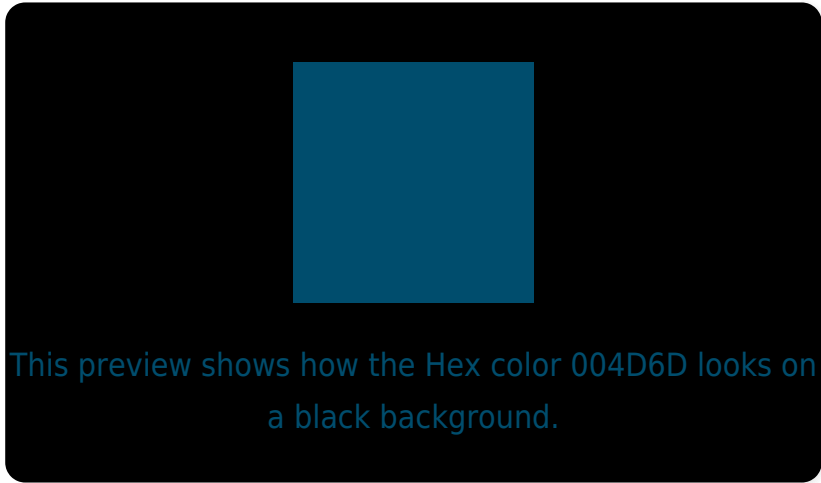
Large Text (above 18pt) WCAG AA ✓ Pass

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

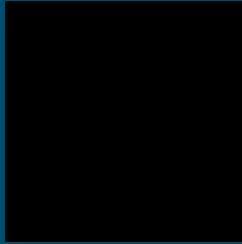
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004D6D Background



This preview shows how black text looks on a background with the Hex color 004D6D.

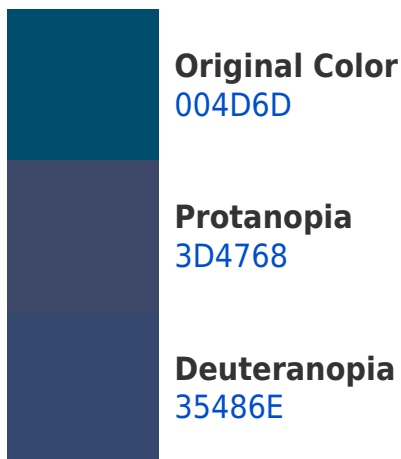



This preview shows how white text looks on a background with the Hex color 004D6D.

# 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](#).

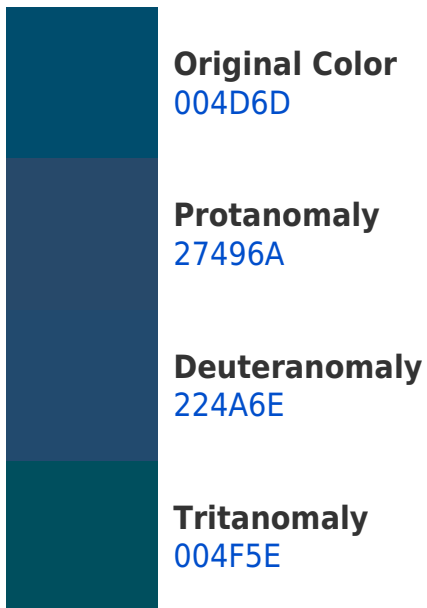
## Dichromacy



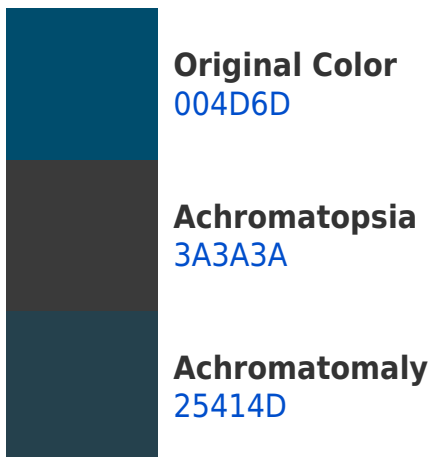


**Tritanopia**  
005056

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004D6D 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 #004D6D looks like.

```
.text, #text, p{  
    color:#004D6D  
}
```

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 #004D6D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004D6D
}
```

## Border

The CSS property to change the border of an element to Hex 004D6D 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
#004D6D }
```

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

```
.border{ border-color:#004D6D }
```

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

Here you see how a box with a 4 pixel #004D6D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004D6D; -webkit-box-shadow:4px 4px  
4px 4px #004D6D; box-shadow:4px 4px 4px  
4px #004D6D }
```

# Background

The CSS property to change the background color of an element to Hex 004D6D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004D6D }
```

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

```
.background{ background-color:#004D6D }
```

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