

# Converting Colors

Hex(004D23)

Have a look what the booklet for  
Hex(004D23) contains.

<b>Hex(004D23)</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(004D23)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004D23
RGB	0, 77, 35
RGB Percent	0%, 30%, 14%
CMY	1.0000, 0.6980, 0.8627
CMYK	1.00, 0.00, 0.55, 0.70
HSL	147°, 100%, 15%
HSV	147°, 100%, 30%
XYZ	2.9573, 5.4291, 2.4822
YIQ	49.1890, -32.4100, -29.3860

# Conversions

## Conversions Part 2

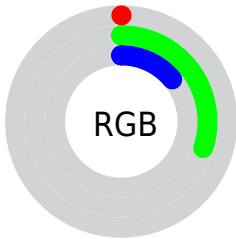
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 53, 77</a>
Decimal	<a href="#">19747</a>
CIELab	<a href="#">27.92, -32.07, 19.02</a>
CIELCh	<a href="#">28, 37.284, 149.324</a>
Yxy	<a href="#">5.4291, 0.2721, 0.4995</a>
Android (android.graphics.Color)	<a href="#">4278209827 (0xFF004D23)</a>
YUV	<a href="#">49.1890, -6.9952, -43.1388</a>
Hunter-Lab	<a href="#">23.3004, -18.1209, 9.9942</a>

# Details

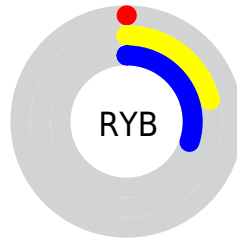
The Hex color **004D23** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4D002A**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **3D7F50**, and **002200** is the 20% darker color. If you saturate the color by 10%, you get **004D23**, and if you desaturate by 10%, it is **084D27**.

# Distribution



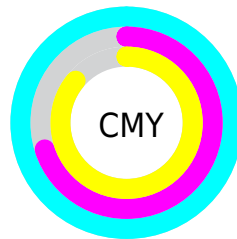
- Red (0%)
- Green (30%)
- Blue (14%)



- Red (0%)
- Yellow (21%)
- Blue (30%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (70%)



- Cyan (100%)
- Magenta (70%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004D23 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 004D23 by changing the saturation by 10% instead.



 004D23

 004D23

 FDFEFF

 00360E

 3D7F50

 002200

 579969

 000000

 71B482

 8CD09C

 A7ECB7

 C3FFD3

 E0FFEF

 004D23

■ 084D27

■ 0F4D2B

■ 174D30

■ 1F4D34

■ 274D38

■ 2E4D3C

■ 364D40

■ 3E4D45

■ 454D49

# Harmonies

## Analogous

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



344809



004D23



004F40

# Triad

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



004D23



00457B



732928

# Complementary

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



004D23



4D002A

# 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.



742544



004D23



403B74

# Square

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



004D23



004C73



642D60



66350F

# Rectangle

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



004D23



004F54



642D60



752731



# Sweetspot

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



004D23



466353



2A4D00



213329



B3B3B3



333333



# Same Dimension

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



004D23



00632D



004D49



222624



00662E



00E668



# Inverse Universe

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



4D002A



630036



4D0004



262225



660038



E6007D



# Previews

## White Background



This preview shows how the Hex color 004D23 looks on a white background.

## Color Contrast Check

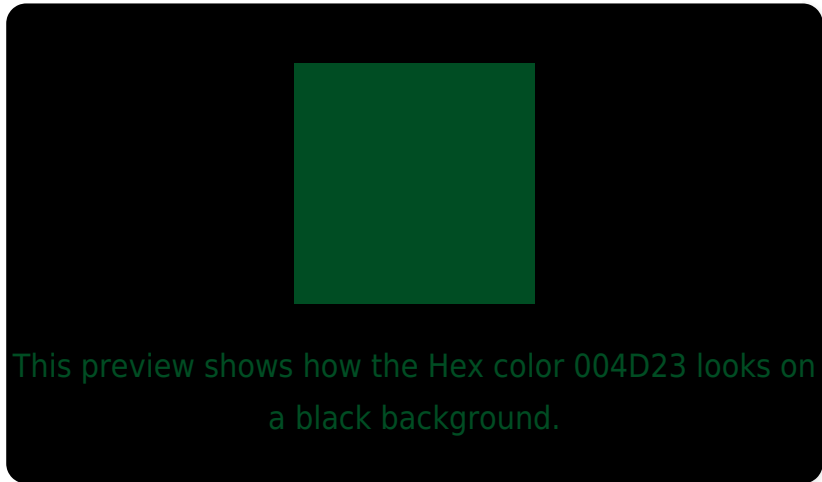
Large Text (above 18pt) WCAG AA ✓ Pass

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

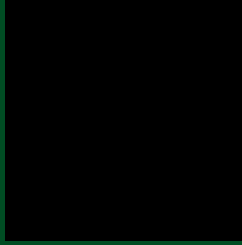
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004D23 Background



This preview shows how black text looks on a background with the Hex color 004D23.



This preview shows how white text looks on a background with the Hex color 004D23.

# 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**  
004D23

**Protanopia**  
494220

**Deuteranopia**  
513F27



**Tritanopia**  
1E484E

# Trichromacy



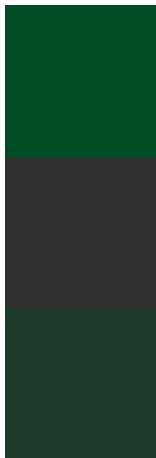
**Original Color**  
004D23

**Protanomaly**  
2E4621

**Deuteranomaly**  
344426

**Tritanomaly**  
134A3E

# Monochromacy



**Original Color**  
004D23

**Achromatopsia**  
313131

**Achromatomaly**  
1F3B2C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004D23 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 #004D23 looks like.

```
.text, #text, p{  
    color:#004D23  
}
```

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 #004D23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004D23  
}
```

## Border

The CSS property to change the border of an element to Hex 004D23 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  
#004D23 }
```

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

```
.border{ border-color:#004D23 }
```

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

Here you see how a box with a 4 pixel #004D23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004D23; -webkit-box-shadow:4px 4px  
4px 4px #004D23; box-shadow:4px 4px 4px  
4px #004D23 }
```

# Background

The CSS property to change the background color of an element to Hex 004D23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004D23 }
```

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

```
.background{ background-color:#004D23 }
```

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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