

Converting Colors

Hex(004937)

Have a look what the booklet for
Hex(004937) contains.

Hex(004937)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(004937)

Conversions

Conversions Part 1

Format	Color
Hex	004937
RGB	0, 73, 55
RGB Percent	0%, 29%, 22%
CMY	1.0000, 0.7137, 0.7843
CMYK	1.00, 0.00, 0.25, 0.71
HSL	165°, 100%, 14%
HSV	165°, 100%, 29%
XYZ	3.0721, 5.0409, 4.4255
YIQ	49.1210, -37.7300, -21.0740

Conversions

Conversions Part 2

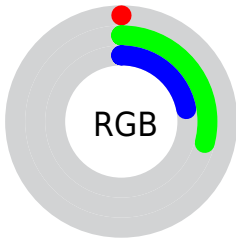
Format	Color
RYB	0, 42, 73
Decimal	18743
CIELab	26.85, -25.43, 5.12
CIELCh	27, 25.941, 168.624
Yxy	5.0409, 0.2450, 0.4020
Android (android.graphics.Color)	4278208823 (0xFF004937)
YUV	49.1210, 2.8983, -43.0791
Hunter-Lab	22.4520, -14.8666, 4.0298

Details

The Hex color **004937** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **490012**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **3C7A66**, and **001F0B** is the 20% darker color. If you saturate the color by 10%, you get **004937**, and if you desaturate by 10%, it is **074939**.

Distribution



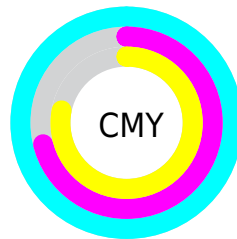
- Red (0%)
- Green (29%)
- Blue (22%)



- Red (0%)
- Yellow (16%)
- Blue (29%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (71%)



- Cyan (100%)
- Magenta (71%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Hex color 004937 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 004937 by changing the saturation by 10% instead.

 004937

 004937

 FBFFFF

 003222

 3C7A66

 001F0B

 56947F

 000000

 70AF99

 8BCBB3

 A6E7CF

 C2FFEB

 DEFFFF

 004937

■ 074939

■ 0F493B

■ 16493C

■ 1D493E

■ 254940

■ 2C4942

■ 334944

■ 3A4945

■ 424947

Harmonies

Analogous

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



284724



004937



00494B

Triad

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



004937



343D65



5F3422

Complementary

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



004937



490012

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.



652F34



004937



50355A

Square

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



004937



004466



602F48



513C18

Rectangle

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



004937



004958



602F48



623228

Sweetspot

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



004937



425E57



124900



1F302C



B0B0B0



303030

Same Dimension

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



004937



005E47



003749



202423



00634B



00E3AB

Inverse Universe

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



490012



5E0017



491200



242021



630019



E30038

Previews

White Background



This preview shows how the Hex color 004937 looks on a white background.

Color Contrast Check

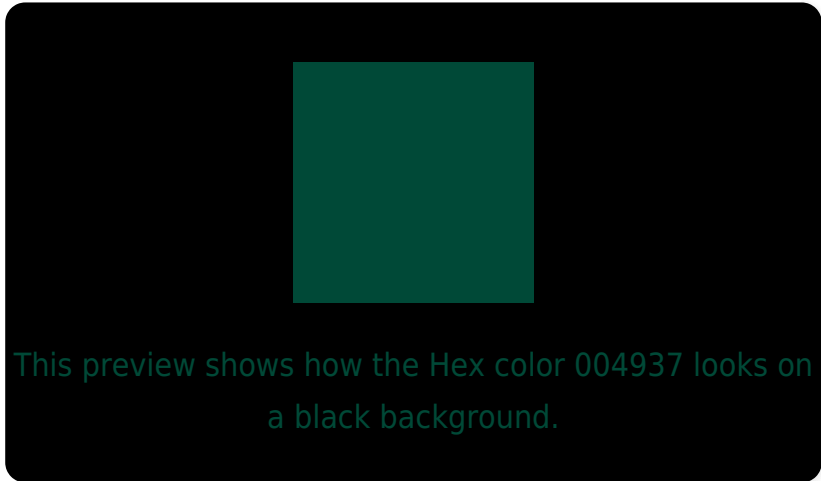
Large Text (above 18pt) WCAG AA ✓ Pass

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

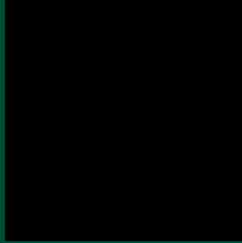
Any Text WCAG AA × Fail

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 004937 Background



This preview shows how black text looks on a background with the Hex color 004937.



This preview shows how white text looks on a background with the Hex color 004937.

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](#).

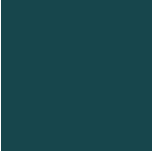
Dichromacy



Original Color
004937

Protanopia
444033

Deuteranopia
483E3A



Tritanopia
17464C

Trichromacy



Original Color
004937

Protanomaly
2B4334

Deuteranomaly
2E4239

Tritanomaly
0F4744

Monochromacy



Original Color
004937

Achromatopsia
313131

Achromatomaly
1F3A33

CSS Examples

Text

The CSS property to change the color of the text to Hex 004937 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 #004937 looks like.

```
.text, #text, p{  
    color:#004937  
}
```

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 #004937 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004937
}
```

Border

The CSS property to change the border of an element to Hex 004937 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
#004937 }
```

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

```
.border{ border-color:#004937 }
```

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

Here you see how a box with a 4 pixel #004937 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004937; -webkit-box-shadow:4px 4px  
4px 4px #004937; box-shadow:4px 4px 4px  
4px #004937 }
```

Background

The CSS property to change the background color of an element to Hex 004937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004937 }
```

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

```
.background{ background-color:#004937 }
```

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