

Converting Colors

Hex(004033)

Have a look what the booklet for
Hex(004033) contains.

Hex(004033)	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(004033)

Conversions

Conversions Part 1

Format	Color
Hex	004033
RGB	0, 64, 51
RGB Percent	0%, 25%, 20%
CMY	1.0000, 0.7490, 0.8000
CMYK	1.00, 0.00, 0.20, 0.75
HSL	168°, 100%, 13%
HSV	168°, 100%, 25%
XYZ	2.4309, 3.9058, 3.7577
YIQ	43.3820, -33.9710, -17.6110

Conversions

Conversions Part 2

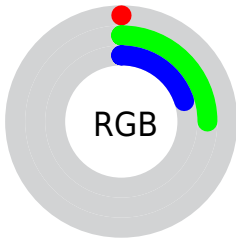
Format	Color
RYB	0, 36, 64
Decimal	16435
CIELab	23.36, -22.33, 2.74
CIELCh	23, 22.497, 172.999
Yxy	3.9058, 0.2408, 0.3869
Android (android.graphics.Color)	4278206515 (0xFF004033)
YUV	43.3820, 3.7557, -38.0460
Hunter-Lab	19.7631, -12.6293, 2.5608

Details

The Hex color **004033** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **40000D**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **397061**, and **001405** is the 20% darker color. If you saturate the color by 10%, you get **004033**, and if you desaturate by 10%, it is **064034**.

Distribution



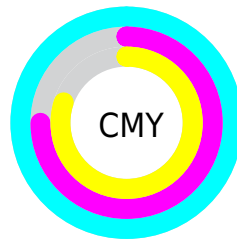
- Red (0%)
- Green (25%)
- Blue (20%)



- Red (0%)
- Yellow (14%)
- Blue (25%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (75%)



- Cyan (100%)
- Magenta (75%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 004033 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 004033 by changing the saturation by 10% instead.

 004033

 004033

 F6FFFF

 002A1E

 397061

 001405

 528A7A

 000000

 6CA494

 86C0AE

 A1DCCA

 BDF8E6

 D9FFFF

 004033

■ 064034

■ 0D4036

■ 134037

■ 1A4038

■ 20403A

■ 26403B

■ 2D403C

■ 33403D

■ 3A403F

Harmonies

Analogous

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



213E23



004033



004044

Triad

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



004033



333557



512F1D

Complementary

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



004033



40000D

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.



572A2B



004033



492E4C

Square

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



004033



0F3B59



552A3C



453516

Rectangle

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



004033



003F4E



552A3C



542D21

Sweetspot

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



004033



3B544F



0E4000



1C2B28



ABABAB



2B2B2B

Same Dimension

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



004033



005443



002E40



1E2120



00614D



00E0B3

Inverse Universe

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



4000D



540011



401200



211E1F



610014



E0002E

Previews

White Background



This preview shows how the Hex color 004033 looks on a white background.

Color Contrast Check

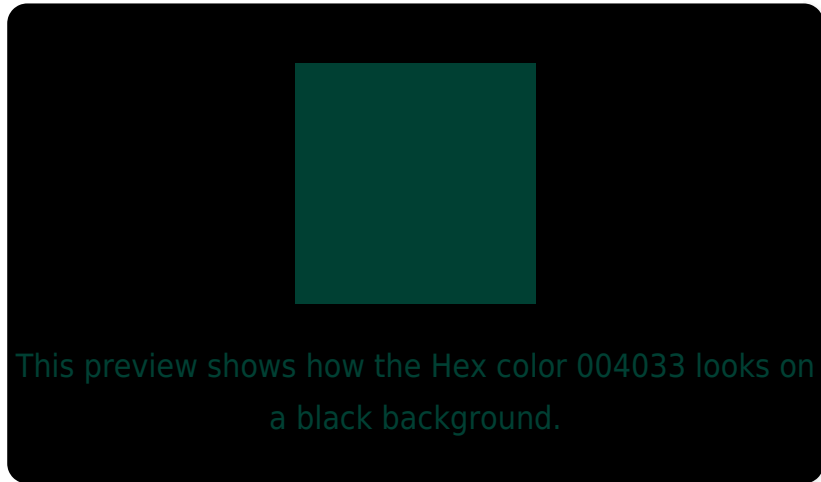
Large Text (above 18pt) WCAG AA ✓ Pass

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 004033 Background



This preview shows how black text looks on a background with the Hex color 004033.



This preview shows how white text looks on a background with the Hex color 004033.

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](#).

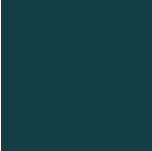
Dichromacy



Original Color
004033

Protanopia
3B382F

Deuteranopia
3F3635



Tritanopia
133E43

Trichromacy



Original Color
004033

Protanomaly
263B30

Deuteranomaly
283A34

Tritanomaly
0C3F3D

Monochromacy



Original Color
004033

Achromatopsia
2B2B2B

Achromatomaly
1B332E

CSS Examples

Text

The CSS property to change the color of the text to Hex 004033 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 #004033 looks like.

```
.text, #text, p{  
    color:#004033  
}
```

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 #004033 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004033
}
```

Border

The CSS property to change the border of an element to Hex 004033 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
#004033 }
```

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

```
.border{ border-color:#004033 }
```

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

Here you see how a box with a 4 pixel #004033 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004033; -webkit-box-shadow:4px 4px  
4px 4px #004033; box-shadow:4px 4px 4px  
4px #004033 }
```

Background

The CSS property to change the background color of an element to Hex 004033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004033 }
```

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

```
.background{ background-color:#004033 }
```

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