

# Converting Colors

Hex(004F2B)

Have a look what the booklet for  
Hex(004F2B) contains.

<b>Hex(004F2B)</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> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**Hex(004F2B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004F2B
RGB	0, 79, 43
RGB Percent	0%, 31%, 17%
CMY	1.0000, 0.6902, 0.8314
CMYK	1.00, 0.00, 0.46, 0.69
HSL	153°, 100%, 15%
HSV	153°, 100%, 31%
XYZ	3.2320, 5.7664, 3.2282
YIQ	51.2750, -35.5280, -27.9440

# Conversions

## Conversions Part 2

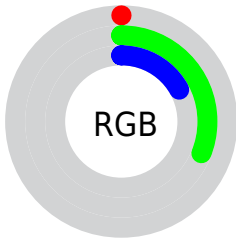
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 51, 79</a>
Decimal	<a href="#">20267</a>
CIELab	<a href="#">28.82, -31.18, 15.37</a>
CIELCh	<a href="#">29, 34.762, 153.765</a>
Yxy	<a href="#">5.7664, 0.2643, 0.4716</a>
Android (android.graphics.Color)	<a href="#">4278210347 (0xFF004F2B)</a>
YUV	<a href="#">51.2750, -4.0796, -44.9682</a>
Hunter-Lab	<a href="#">24.0133, -17.9984, 8.8388</a>

# Details

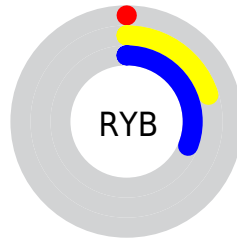
The Hex color **004F2B** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4F0024**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **3E8159**, and **002300** is the 20% darker color. If you saturate the color by 10%, you get **004F2B**, and if you desaturate by 10%, it is **084F2F**.

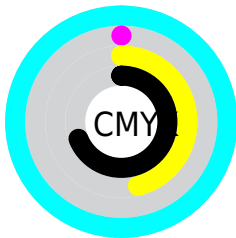
# Distribution



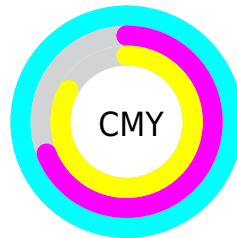
- Red (0%)
- Green (31%)
- Blue (17%)



- Red (0%)
- Yellow (20%)
- Blue (31%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (69%)



- Cyan (100%)
- Magenta (69%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 004F2B 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 004F2B by changing the saturation by 10% instead.



 004F2B

 004F2B

FEFFFF

 003716

 3E8159

 002300

 589B72

 000000

 72B68B

 8DD2A5

 A8EFC1

 C4FFDD

 E1FFF9

 004F2B

■ 084F2F

■ 104F32

■ 184F36

■ 204F39

■ 284F3D

■ 2F4F41

■ 374F44

■ 3F4F48

■ 474F4B

# Harmonies

## Analogous

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



334B13



004F2B



005147

# Triad

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



004F2B



00467A



722F28

# Complementary

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



004F2B



4F0024

# 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.



742A42



004F2B



493B71

# Square

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



004F2B



004D74



67305C



643A12

# Rectangle

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



004F2B



005159



67305C



742C30



# Sweetspot

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



004F2B



476658



254F00



21332B



B3B3B3



333333



# Same Dimension

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



004F2B



006638



004C4F



222625



00E67D

# Inverse Universe

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



4F0024



66002E



4F0300



262224



E60069

# Previews

## White Background



This preview shows how the Hex color 004F2B looks on a white background.

## Color Contrast Check

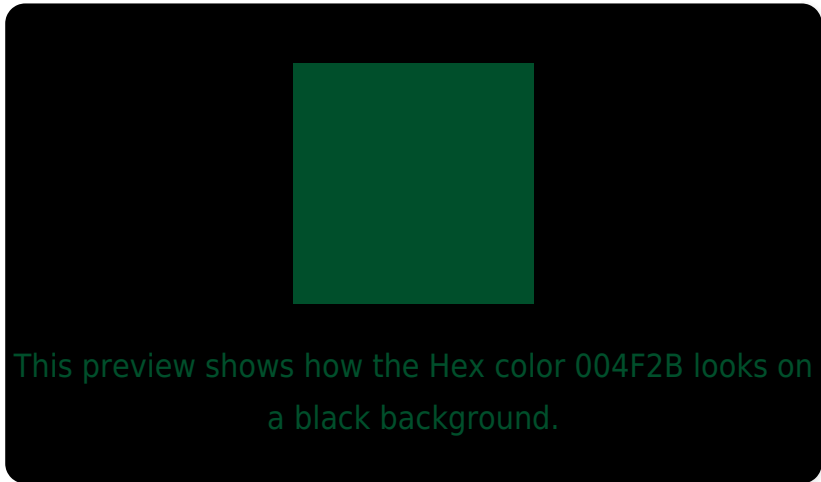
Large Text (above 18pt) WCAG AA ✓ Pass

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

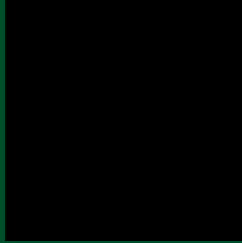
Any Text WCAG AA × Fail

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 004F2B Background



This preview shows how black text looks on a background with the Hex color 004F2B.



This preview shows how white text looks on a background with the Hex color 004F2B.

# 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**  
004F2B

**Protanopia**  
4B4427

**Deuteranopia**  
52412E





**Tritanopia**  
1E4B51

# Trichromacy



**Original Color**  
004F2B

**Protanomaly**  
304828

**Deuteranomaly**  
34462D

**Tritanomaly**  
134C43

# Monochromacy



**Original Color**  
004F2B

**Achromatopsia**  
333333

**Achromatomaly**  
203D30

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004F2B 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 #004F2B looks like.

```
.text, #text, p{  
    color:#004F2B  
}
```

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 #004F2B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004F2B
}
```

## Border

The CSS property to change the border of an element to Hex 004F2B 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
#004F2B }
```

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

```
.border{ border-color:#004F2B }
```

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

Here you see how a box with a 4 pixel #004F2B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004F2B; -webkit-box-shadow:4px 4px  
4px 4px #004F2B; box-shadow:4px 4px 4px  
4px #004F2B }
```

# Background

The CSS property to change the background color of an element to Hex 004F2B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004F2B }
```

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

```
.background{ background-color:#004F2B }
```

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