

# Converting Colors

Hex(004B2E)

Have a look what the booklet for  
Hex(004B2E) contains.

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# Color

Hex(004B2E)

# Conversions

## Conversions Part 1

Format	Color
Hex	004B2E
RGB	0, 75, 46
RGB Percent	0%, 29%, 18%
CMY	1.0000, 0.7059, 0.8196
CMYK	1.00, 0.00, 0.39, 0.71
HSL	157°, 100%, 15%
HSV	157°, 100%, 29%
XYZ	3.0092, 5.2294, 3.4355
YIQ	49.2690, -35.3910, -24.9190

# Conversions

## Conversions Part 2

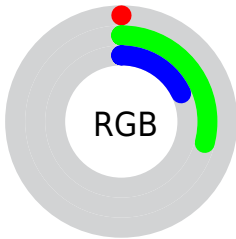
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 46, 75
Decimal	19246
CIELab	27.38, -28.80, 11.59
CIELCh	27, 31.046, 158.075
Yxy	5.2294, 0.2578, 0.4479
Android (android.graphics.Color)	4278209326 (0xFF004B2E)
YUV	49.2690, -1.6116, -43.2089
Hunter-Lab	22.8679, -16.5298, 7.1001

# Details

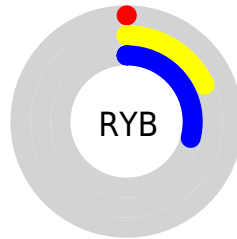
The Hex color **004B2E** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **4B001D**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **3C7D5C**, and **002000** is the 20% darker color. If you saturate the color by 10%, you get **004B2E**, and if you desaturate by 10%, it is **074B31**.

# Distribution



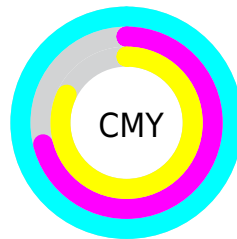
- Red (0%)
- Green (29%)
- Blue (18%)



- Red (0%)
- Yellow (18%)
- Blue (29%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (71%)



- Cyan (100%)
- Magenta (71%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004B2E 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 004B2E by changing the saturation by 10% instead.



 004B2E

 004B2E

 FCFFFF

 003419

 3C7D5C

 002000

 569775

 000000

 70B28E

 8BCDA9

 A6EAC4

 C2FFE0

 DFFFFD

 004B2E

■ 074B31

■ 0F4B34

■ 174B37

■ 1E4B3A

■ 264B3D

■ 2D4B3F

■ 354B42

■ 3C4B45

■ 444B48

# Harmonies

## Analogous

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



2E4819



004B2E



004C47

# Triad

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



004B2E



1D4170



693025

# Complementary

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



004B2E



4B001D

# 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.



6C2B3B



004B2E



4A3866

# Square

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



004B2E



00486D



622E53



5C3913

# Rectangle

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



004B2E



004C56



622E53



6B2D2C



# Sweetspot

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



004B2E



446156



1E4B00



1F302A



B0B0B0



303030



# Same Dimension

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



004B2E



00613B



00434B



222625



00663F



00E68D



# Inverse Universe

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



4B001D



610025



4B0700



262224



660027



E60059



# Previews

## White Background



This preview shows how the Hex color 004B2E looks on a white background.

## Color Contrast Check

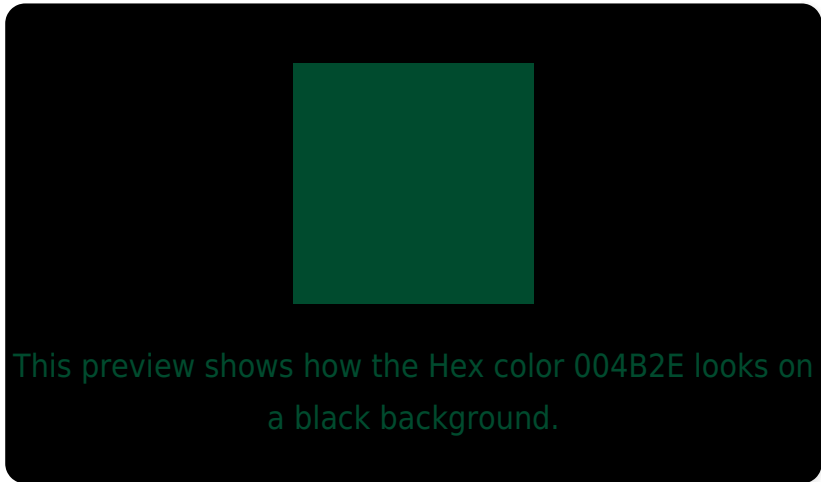
Large Text (above 18pt) WCAG AA ✓ Pass

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

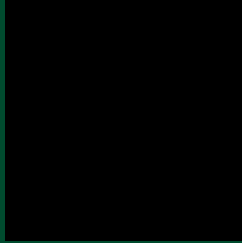
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004B2E Background



This preview shows how black text looks on a background with the Hex color 004B2E.



This preview shows how white text looks on a background with the Hex color 004B2E.

# 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](#).

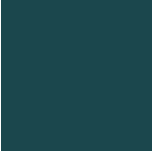
## Dichromacy



**Original Color**  
004B2E

**Protanopia**  
47412A

**Deuteranopia**  
4D3E31



**Tritanopia**  
1B474D

# Trichromacy



**Original Color**  
004B2E

**Protanomaly**  
2D452B

**Deuteranomaly**  
314330

**Tritanomaly**  
114842

# Monochromacy



**Original Color**  
004B2E

**Achromatopsia**  
313131

**Achromatomaly**  
1F3A30

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004B2E 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 #004B2E looks like.

```
.text, #text, p{  
    color:#004B2E  
}
```

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 #004B2E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004B2E
}
```

## Border

The CSS property to change the border of an element to Hex 004B2E 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
#004B2E }
```

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

```
.border{ border-color:#004B2E }
```

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

Here you see how a box with a 4 pixel #004B2E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004B2E; -webkit-box-shadow:4px 4px  
4px 4px #004B2E; box-shadow:4px 4px 4px  
4px #004B2E }
```

# Background

The CSS property to change the background color of an element to Hex 004B2E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004B2E }
```

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

```
.background{ background-color:#004B2E }
```

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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