

# Converting Colors

Hex(005B37)

Have a look what the booklet for  
Hex(005B37) contains.

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**Color**

**Hex(005B37)**

# Conversions

## Conversions Part 1

Format	Color
Hex	005B37
RGB	0, 91, 55
RGB Percent	0%, 36%, 22%
CMY	1.0000, 0.6431, 0.7843
CMYK	1.00, 0.00, 0.40, 0.64
HSL	156°, 100%, 18%
HSV	156°, 100%, 36%
XYZ	4.4307, 7.7580, 4.8784
YIQ	59.6870, -42.6800, -30.4880

# Conversions

## Conversions Part 2

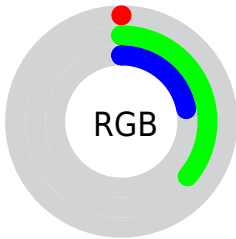
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 57, 91</a>
Decimal	<a href="#">23351</a>
CIELab	<a href="#">33.47, -33.30, 14.27</a>
CIELCh	<a href="#">33, 36.228, 156.811</a>
Yxy	<a href="#">7.7580, 0.2596, 0.4546</a>
Android (android.graphics.Color)	<a href="#">4278213431 (0xFF005B37)</a>
YUV	<a href="#">59.6870, -2.3107, -52.3455</a>
Hunter-Lab	<a href="#">27.8532, -20.3487, 9.1129</a>

# Details

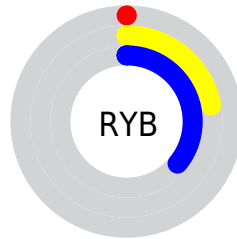
The Hex color **005B37** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5B0024**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **428E66**, and **002C0C** is the 20% darker color. If you saturate the color by 10%, you get **005B37**, and if you desaturate by 10%, it is **095B3B**.

# Distribution



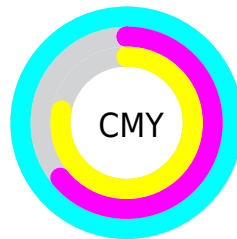
- Red (0%)
- Green (36%)
- Blue (22%)



- Red (0%)
- Yellow (22%)
- Blue (36%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (64%)



- Cyan (100%)
- Magenta (64%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 005B37 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 005B37 by changing the saturation by 10% instead.



 005B37

 005B37

FFFFFF

 004321

 428E66

 002C0C

 5DA97F

 001400

 78C499

 000000

 93E1B4

 AFFDD0

 CBF FEC

 E8FFFF

 005B37

■ 095B3B

■ 125B3E

■ 1B5B42

■ 245B45

■ 2E5B49

■ 375B4D

■ 405B50

■ 495B54

■ 525B57

# Harmonies

## Analogous

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



3A571E



005B37



005D55

# Triad

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



005B37



1F5088



7F3A2E

# Complementary

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



005B37



5B0024

# 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.



833449



005B37



59447D

# Square

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



005B37



005883



773966



704518

# Rectangle

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



005B37



005C68



773966



823737



# Sweetspot

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



005B37



527567



245B00



263B32



BABABA



3B3B3B



# Same Dimension

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



005B37



007547



00525B



292E2C



006E42



00ED8F



# Inverse Universe

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



5B0024



75002E



5B0900



2E292B



6E002B



ED005E



# Previews

## White Background



This preview shows how the Hex color 005B37 looks on a white background.

## Color Contrast Check

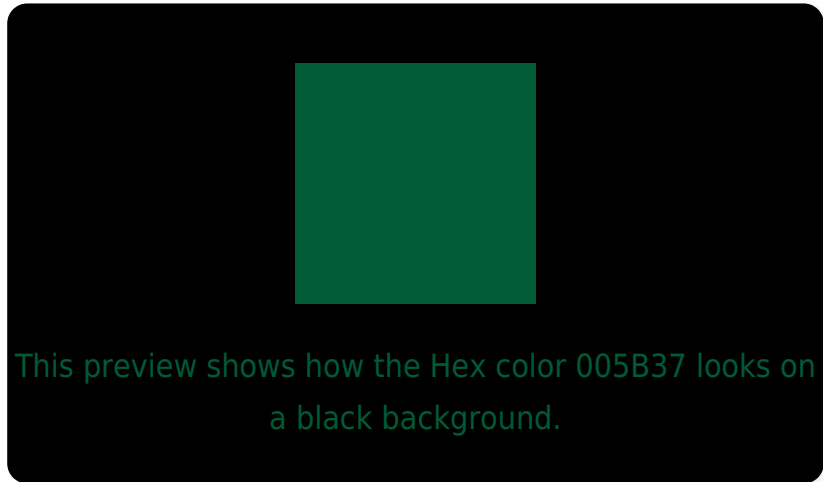
Large Text (above 18pt) WCAG AA ✓ Pass

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

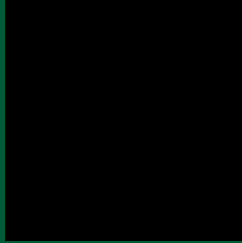
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 005B37 Background



This preview shows how black text looks on a background with the Hex color 005B37.



This preview shows how white text looks on a background with the Hex color 005B37.

# 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**  
005B37

**Protanopia**  
564F32

**Deuteranopia**  
5D4C3B



# Trichromacy



**Original Color**  
005B37

**Protanomaly**  
375334

**Deuteranomaly**  
3B513A

**Tritanomaly**  
15584F

# Monochromacy



**Original Color**  
005B37

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
26473A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005B37 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 #005B37 looks like.

```
.text, #text, p{  
    color:#005B37  
}
```

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 #005B37 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005B37
}
```

## Border

The CSS property to change the border of an element to Hex 005B37 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
#005B37 }
```

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

```
.border{ border-color:#005B37 }
```

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

Here you see how a box with a 4 pixel #005B37 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005B37; -webkit-box-shadow:4px 4px  
4px 4px #005B37; box-shadow:4px 4px 4px  
4px #005B37 }
```

# Background

The CSS property to change the background color of an element to Hex 005B37 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005B37 }
```

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

```
.background{ background-color:#005B37 }
```

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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