

# Converting Colors

Hex(005235)

Have a look what the booklet for  
Hex(005235) contains.

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# Color

Hex(005235)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	005235
RGB	0, 82, 53
RGB Percent	0%, 32%, 21%
CMY	1.0000, 0.6784, 0.7922
CMYK	1.00, 0.00, 0.35, 0.68
HSL	159°, 100%, 16%
HSV	159°, 100%, 32%
XYZ	3.6599, 6.2916, 4.3897
YIQ	54.1760, -39.5630, -26.4030

# Conversions

## Conversions Part 2

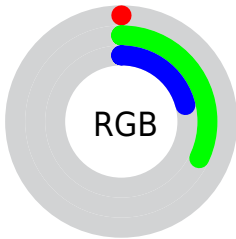
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 50, 82</a>
Decimal	<a href="#">21045</a>
CIELab	<a href="#">30.14, -30.02, 10.97</a>
CIELCh	<a href="#">30, 31.963, 159.932</a>
Yxy	<a href="#">6.2916, 0.2552, 0.4387</a>
Android (android.graphics.Color)	<a href="#">4278211125 (0xFF005235)</a>
YUV	<a href="#">54.1760, -0.5798, -47.5124</a>
Hunter-Lab	<a href="#">25.0831, -17.8504, 7.1821</a>

# Details

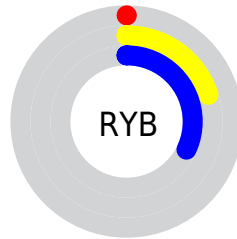
The Hex color **005235** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **52001D**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **3F8464**, and **002509** is the 20% darker color. If you saturate the color by 10%, you get **005235**, and if you desaturate by 10%, it is **085238**.

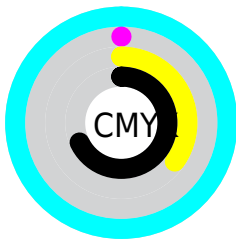
# Distribution



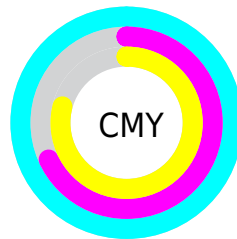
- Red (0%)
- Green (32%)
- Blue (21%)



- Red (0%)
- Yellow (20%)
- Blue (32%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (68%)



- Cyan (100%)
- Magenta (68%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 005235 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 005235 by changing the saturation by 10% instead.



 005235

 005235

FFFFFF

 003A20

 3F8464

 002509

 599F7D

 000100

 74BA97

 000000

 8ED6B1

 AAF2CD

 C6FFE9

 E3FFFF

 005235

■ 085238

■ 10523B

■ 19523E

■ 215241

■ 295244

■ 315246

■ 395249

■ 42524C

■ 4A524F

# Harmonies

## Analogous

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



324E1F



005235



00534F

# Triad

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



005235



284778



713628

# Complementary

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



005235



52001D

# 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.



753140



005235



533D6D

# Square

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



005235



004E75



6B3459



624017

# Rectangle

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



005235



00535F



6B3459



733430



# Sweetspot

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



005235



4B6B60



1E5200



22362F



B5B5B5



363636



# Same Dimension

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



005235



006B45



004752



252927



006944



00E896



# Inverse Universe

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



52001D



6B0026



520B00



292526



690025



E80052



# Previews

## White Background



This preview shows how the Hex color 005235 looks on a white background.

## Color Contrast Check

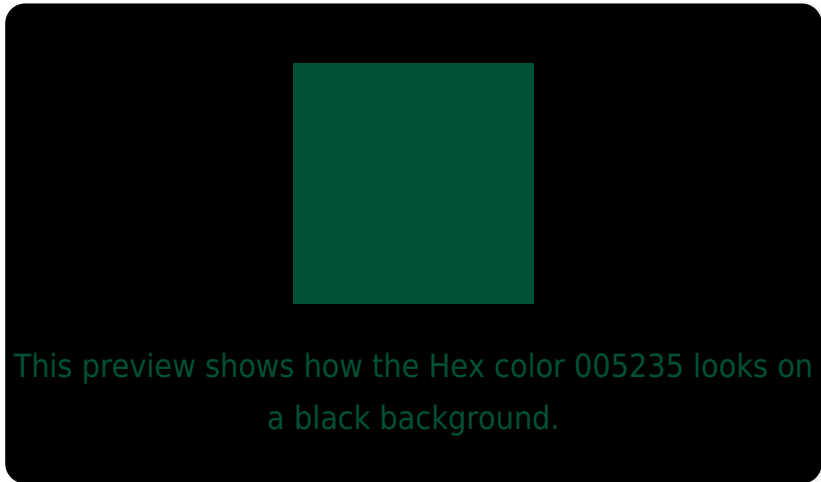
Large Text (above 18pt) WCAG AA ✓ Pass

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

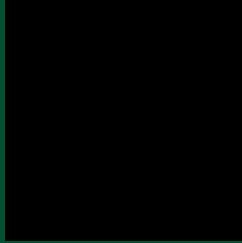
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 005235 Background



This preview shows how black text looks on a background with the Hex color 005235.



This preview shows how white text looks on a background with the Hex color 005235.

# 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**  
005235

**Protanopia**  
4D4730

**Deuteranopia**  
534438



**Tritanopia**  
1D4E54

# Trichromacy



**Original Color**  
005235

**Protanomaly**  
314B32

**Deuteranomaly**  
354937

**Tritanomaly**  
124F49

# Monochromacy



**Original Color**  
005235

**Achromatopsia**  
363636

**Achromatomaly**  
224036

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005235 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 #005235 looks like.

```
.text, #text, p{  
    color:#005235  
}
```

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 #005235 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005235
}
```

## Border

The CSS property to change the border of an element to Hex 005235 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
#005235 }
```

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

```
.border{ border-color:#005235 }
```

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

Here you see how a box with a 4 pixel #005235 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005235; -webkit-box-shadow:4px 4px  
4px 4px #005235; box-shadow:4px 4px 4px  
4px #005235 }
```

# Background

The CSS property to change the background color of an element to Hex 005235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005235 }
```

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

```
.background{ background-color:#005235 }
```

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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