

# Converting Colors

Hex(005229)

Have a look what the booklet for  
Hex(005229) contains.

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**Color**

**Hex(005229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	005229
RGB	0, 82, 41
RGB Percent	0%, 32%, 16%
CMY	1.0000, 0.6784, 0.8392
CMYK	1.00, 0.00, 0.50, 0.68
HSL	150°, 100%, 16%
HSV	150°, 100%, 32%
XYZ	3.4175, 6.1947, 3.1134
YIQ	52.8080, -35.7110, -30.1350

# Conversions

## Conversions Part 2

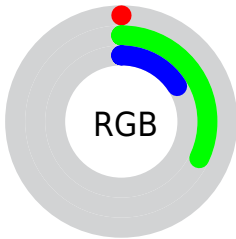
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 55, 82
Decimal	21033
CIELab	29.90, -32.81, 17.98
CIELCh	30, 37.411, 151.280
Yxy	6.1947, 0.2686, 0.4868
Android (android.graphics.Color)	4278211113 (0xFF005229)
YUV	52.8080, -5.8213, -46.3126
Hunter-Lab	24.8891, -19.0461, 10.0058

# Details

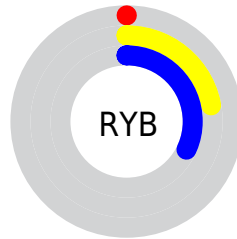
The Hex color **005229** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **520029**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **3F8457**, and **002500** is the 20% darker color. If you saturate the color by 10%, you get **005229**, and if you desaturate by 10%, it is **08522D**.

# Distribution



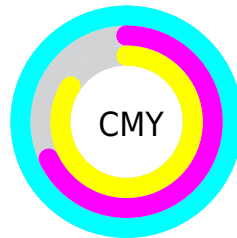
- Red (0%)
- Green (32%)
- Blue (16%)



- Red (0%)
- Yellow (22%)
- Blue (32%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (68%)



- Cyan (100%)
- Magenta (68%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 005229 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 005229 by changing the saturation by 10% instead.



 005229

 005229

FFFFFF

 003A14

 3F8457

 002500

 599F70

 000000

 74BA89

 8ED6A3

 AAF3BF

 C6FFDA

 E3FFF7

 005229

■ 08522D

■ 105231

■ 195235

■ 215239

■ 29523D

■ 315242

■ 395246

■ 42524A

■ 4A524E

# Harmonies

## Analogous

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



374D0F



005229



005447

# Triad

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



005229



004981



782F2A

# Complementary

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



005229



520029

# 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.



7A2A46



005229



483E78

# Square

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



005229



005179



6A3163



6B3A12

# Rectangle

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



005229



00545B



6A3163



7A2C33



# Sweetspot

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



005229



4B6B5B



295200



22362C



B5B5B5



363636



# Same Dimension

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



005229



006B36



005252



252927



006934



00E874



# Inverse Universe

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



520029



6B0036



520000



292527



690034



E80074



# Previews

## White Background



This preview shows how the Hex color 005229 looks on a white background.

## Color Contrast Check

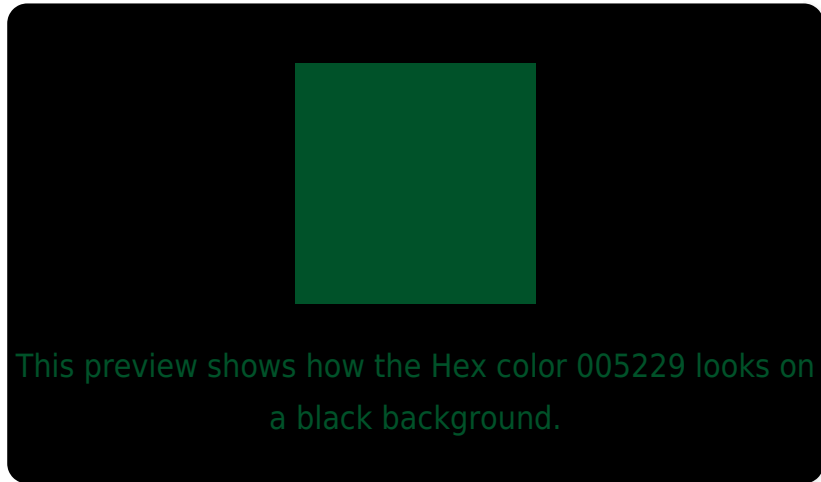
Large Text (above 18pt) WCAG AA ✓ Pass

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

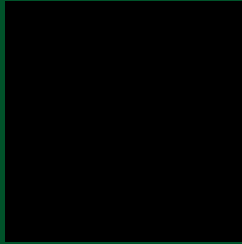
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 005229 Background



This preview shows how black text looks on a background with the Hex color 005229.



This preview shows how white text looks on a background with the Hex color 005229.

# 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**  
005229

**Protanopia**  
4E4725

**Deuteranopia**  
55442D



**Tritanopia**  
1F4D54

# Trichromacy



**Original Color**  
005229

**Protanomaly**  
324B26

**Deuteranomaly**  
36492C

**Tritanomaly**  
144F44

# Monochromacy



**Original Color**  
005229

**Achromatopsia**  
353535

**Achromatomaly**  
224031

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005229 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 #005229 looks like.

```
.text, #text, p{  
    color:#005229  
}
```

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 #005229 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005229
}
```

## Border

The CSS property to change the border of an element to Hex 005229 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
#005229 }
```

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

```
.border{ border-color:#005229 }
```

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

Here you see how a box with a 4 pixel #005229 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005229; -webkit-box-shadow:4px 4px  
4px 4px #005229; box-shadow:4px 4px 4px  
4px #005229 }
```

# Background

The CSS property to change the background color of an element to Hex 005229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005229 }
```

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

```
.background{ background-color:#005229 }
```

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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