

# Converting Colors

Hex(005202)

Have a look what the booklet for  
Hex(005202) contains.

|  |    |
|--|----|
| <b>Hex(005202)</b> .....                       | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 11 |
| <b><i>Previews</i></b> .....                   | 23 |
| <b><i>Color Blindness Simulation</i></b> ..... | 26 |
| <b><i>CSS Examples</i></b> .....               | 29 |

# Color

**Hex(005202)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | 005202                      |
| RGB           | 0, 82, 2                    |
| RGB Percent   | 0%, 32%, 1%                 |
| CMY           | 1.0000, 0.6784, 0.9922      |
| CMYK          | 1.00, 0.00, 0.98, 0.68      |
| HSL           | 121°, 100%, 16%             |
| HSV           | 121°, 100%, 32%             |
| XYZ           | 3.0283, 6.0390, 1.0635      |
| YIQ           | 48.3620, -23.1920, -42.2640 |

# Conversions

## Conversions Part 2

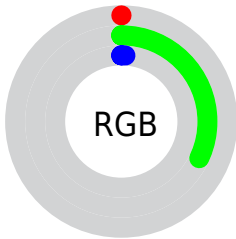
| <b>Format</b>                       | <b>Color</b>                                    |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">0, 80, 82</a>                       |
| Decimal                             | <a href="#">20994</a>                           |
| CIELab                              | <a href="#">29.51, -37.66, 35.72</a>            |
| CIELCh                              | <a href="#">30, 51.900, 136.516</a>             |
| Yxy                                 | <a href="#">6.0390, 0.2989,<br/>0.5961</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4278211074<br/>(0xFF005202)</a>     |
| YUV                                 | <a href="#">48.3620, -22.8565,<br/>-42.4135</a> |
| Hunter-Lab                          | <a href="#">24.5743, -21.0088,<br/>14.6362</a>  |

# Details

The Hex color **005202** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **520050**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **418435**, and **002600** is the 20% darker color. If you saturate the color by 10%, you get **005202**, and if you desaturate by 10%, it is **08520A**.

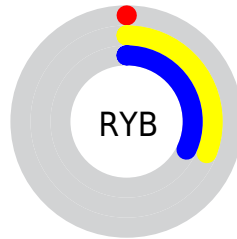
# Distribution



Red (0%)

Green (32%)

Blue (1%)



Red (0%)

Yellow (31%)

Blue (32%)

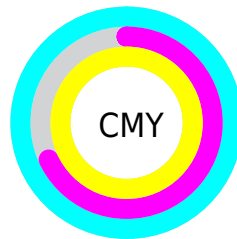


Cyan (100%)

Magenta (0%)

Yellow (98%)

Black (68%)



Cyan (100%)

Magenta (68%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 005202 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 005202 by changing the saturation by 10% instead.



 005202

 005202

 FFFFEF

 003A00

 418435

 002600

 5C9F4D

 000000

 76BA66

 92D680

 ADF39B

 CAFFB6

 E6FFD2

 005202

■ 08520A

■ 105212

■ 19521A

■ 215222

■ 29522A

■ 315232

■ 39523A

■ 425242

■ 4A524A

# Harmonies

## Analogous

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



424A00



005202



005631

# Triad

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



005202



005095



8A1031

# Complementary

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



005202



520050

# 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.



831459



005202



004394

# Square

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



005202



005580



622E7E



7E2909

# Rectangle

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



005202



00574E



622E7E



8A0B3F



# Sweetspot

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



005202



4B6B4C



515200



223623



B5B5B5



363636



# Same Dimension

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



005202



006B03



00522A



252925



006903



00E806



# Inverse Universe

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



520050



6B0068



520028



292529



690066

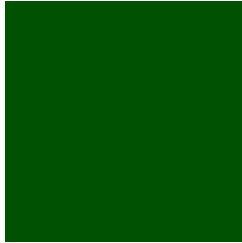


E800E2



# Previews

## White Background



This preview shows how the Hex color 005202 looks on a white background.

## Color Contrast Check

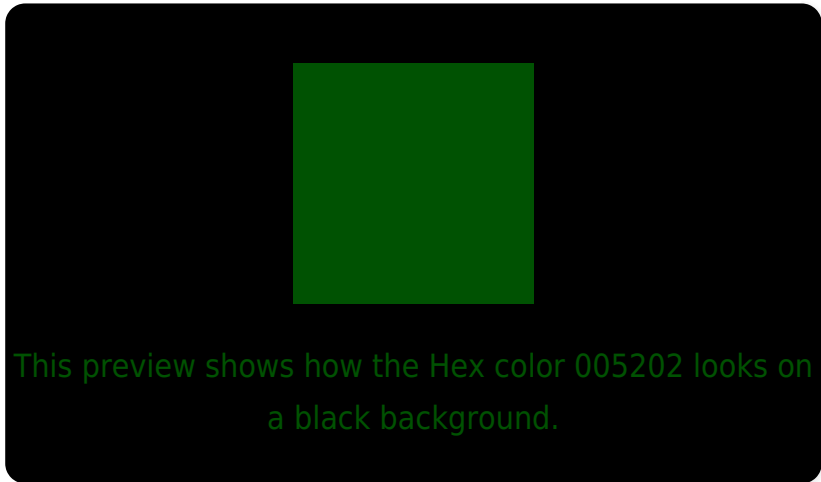
Large Text (above 18pt) WCAG AA ✓ Pass

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

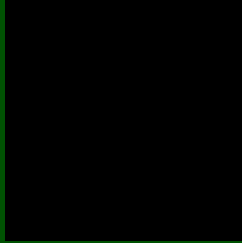
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 005202 Background



This preview shows how black text looks on a background with the Hex color 005202.



This preview shows how white text looks on a background with the Hex color 005202.

# 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**  
005202

**Protanopia**  
4F4600

**Deuteranopia**  
584212



# Trichromacy



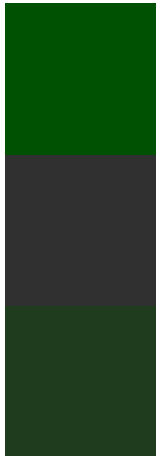
**Original Color**  
005202

**Protanomaly**  
324A01

**Deuteranomaly**  
38480C

**Tritanomaly**  
164E35

# Monochromacy



**Original Color**  
005202

**Achromatopsia**  
303030

**Achromatomaly**  
1F3C1F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005202 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 #005202 looks like.

```
.text, #text, p{  
    color:#005202  
}
```

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 #005202 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005202
}
```

## Border

The CSS property to change the border of an element to Hex 005202 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".

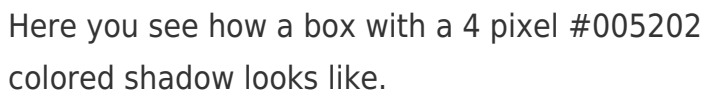
```
.border, #border, table{ border:4px solid
#005202 }
```

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

```
.border{ border-color:#005202 }
```

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

Here you see how a box with a 4 pixel #005202 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The box is white with a green border and a green shadow. The shadow is a solid green rectangle that is slightly offset from the bottom and right edges of the box, creating a 3D effect.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005202; -webkit-box-shadow:4px 4px  
4px 4px #005202; box-shadow:4px 4px 4px  
4px #005202 }
```

# Background

The CSS property to change the background color of an element to Hex 005202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005202 }
```

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

```
.background{ background-color:#005202 }
```

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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