

# Converting Colors

Hex(002115)

Have a look what the booklet for  
Hex(002115) contains.

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# Color

**Hex(002115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002115
RGB	0, 33, 21
RGB Percent	0%, 13%, 8%
CMY	1.0000, 0.8706, 0.9176
CMYK	1.00, 0.00, 0.36, 0.87
HSL	158°, 100%, 6%
HSV	158°, 100%, 13%
XYZ	0.6792, 1.1419, 0.8941
YIQ	21.7650, -15.8160, -10.7280

# Conversions

## Conversions Part 2

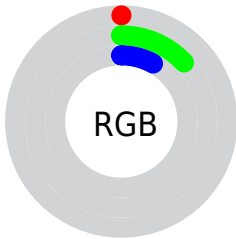
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 20, 33
Decimal	8469
CIELab	10.12, -15.80, 4.66
CIELCh	10, 16.476, 163.563
Yxy	1.1419, 0.2502, 0.4206
Android (android.graphics.Color)	4278198549 (0xFF002115)
YUV	21.7650, -0.3771, -19.0879
Hunter-Lab	10.6858, -7.3542, 2.5193

# Details

The Hex color **002115** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **21000C**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **2D4D3F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002115**, and if you desaturate by 10%, it is **032116**.

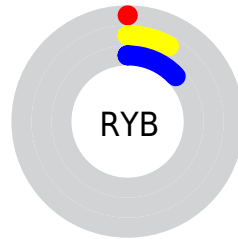
# Distribution



Red (0%)

Green (13%)

Blue (8%)



Red (0%)

Yellow (8%)

Blue (13%)

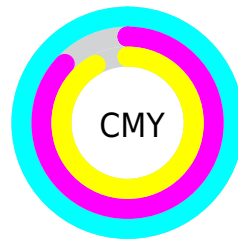


Cyan (100%)

Magenta (0%)

Yellow (36%)

Black (87%)



Cyan (100%)

Magenta (87%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002115 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 002115 by changing the saturation by 10% instead.



 002115

 002115

 E2FFF6

 000100

 2D4D3F

 000000

 446656

 5C7F6F

 759988

 8FB4A2

 AACFBD

 C5EBD9

 002115

■ 032116

■ 072117

■ 0A2119

■ 0D211A

■ 11211B

■ 14211C

■ 17211D

■ 1A211F

■ 1E2120

# Harmonies

## Analogous

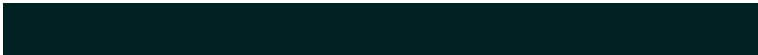
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



121F07



002115



002121

# Triad

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



002115



121B31



2F150A

# Complementary

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



002115



21000C

# 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.



301217



002115



23172C

# Square

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



002115



001F31



2D1322



281900

# Rectangle

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



002115



002128



2D1322



30140F



# Sweetspot

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



002115



1E2B27



0C2100



0F1714



969696



171717



# Same Dimension

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



002115



002B1C



001D21



0E0F0F



004F32



00CF83



# Inverse Universe

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



21000C



2B0010



210400



0F0E0E



4F001D

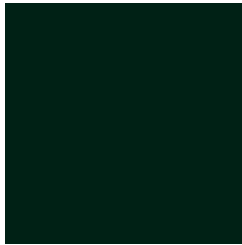


CF004B



# Previews

## White Background



This preview shows how the Hex color 002115 looks on a white background.

## Color Contrast Check

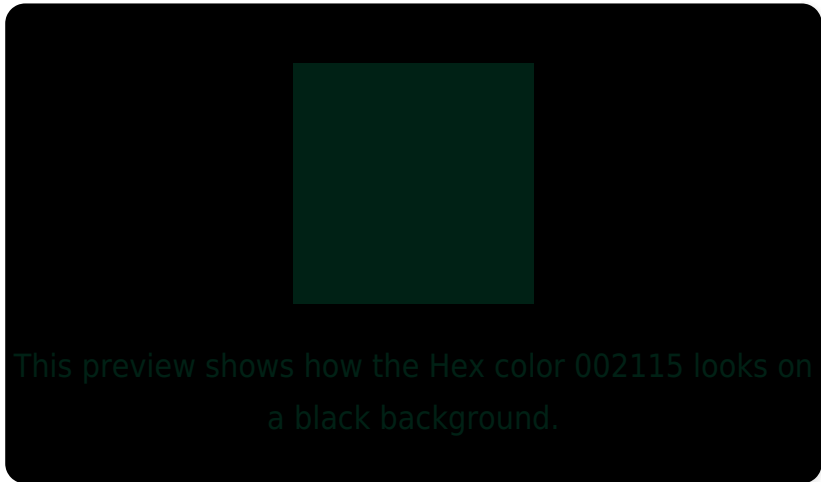
Large Text (above 18pt) WCAG AA ✓ Pass

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

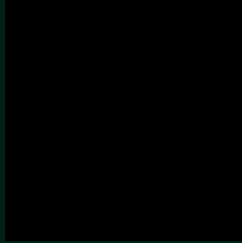
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002115 Background



This preview shows how black text looks on a background with the Hex color 002115.



This preview shows how white text looks on a background with the Hex color 002115.

# 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**  
002115

**Protanopia**  
1F1D13

**Deuteranopia**  
221B16



# Trichromacy



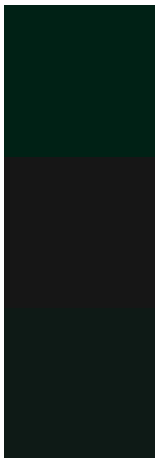
**Original Color**  
002115

**Protanomaly**  
141E14

**Deuteranomaly**  
161D16

**Tritanomaly**  
08201D

# Monochromacy



**Original Color**  
002115

**Achromatopsia**  
161616

**Achromatomaly**  
0E1A16

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002115 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 #002115 looks like.

```
.text, #text, p{  
    color:#002115  
}
```

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 #002115 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002115  
}
```

## Border

The CSS property to change the border of an element to Hex 002115 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  
#002115 }
```

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

```
.border{ border-color:#002115 }
```

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

Here you see how a box with a 4 pixel #002115 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002115; -webkit-box-shadow:4px 4px  
4px 4px #002115; box-shadow:4px 4px 4px  
4px #002115 }
```

# Background

The CSS property to change the background color of an element to Hex 002115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002115 }
```

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

```
.background{ background-color:#002115 }
```

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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