

# Converting Colors

Hex(017223)

Have a look what the booklet for  
Hex(017223) contains.

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# Color

Hex(017223)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	017223
RGB	1, 114, 35
RGB Percent	0%, 45%, 14%
CMY	0.9961, 0.5529, 0.8627
CMYK	0.99, 0.00, 0.69, 0.55
HSL	138°, 98%, 23%
HSV	138°, 99%, 45%
XYZ	6.3332, 12.1624, 3.6039
YIQ	71.2070, -41.9890, -48.5250

# Conversions

## Conversions Part 2

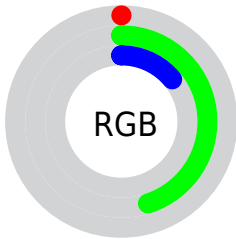
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 88, 114
Decimal	94755
CIELab	41.47, -45.02, 34.88
CIELCh	41, 56.952, 142.237
Yxy	12.1624, 0.2866, 0.5503
Android (android.graphics.Color)	4278284835 (0xFF017223)
YUV	71.2070, -17.8501, -61.5715
Hunter-Lab	34.8747, -28.6153, 18.2853

# Details

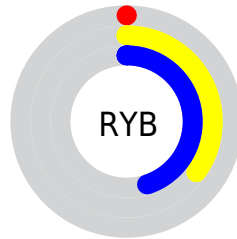
The Hex color **017223** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **720150**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **4BA754**, and **004000** is the 20% darker color. If you saturate the color by 10%, you get **007222**, and if you desaturate by 10%, it is **0C722B**.

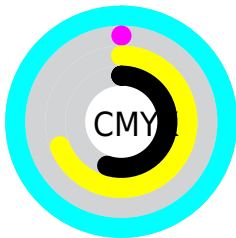
# Distribution



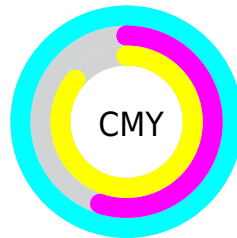
- Red (0%)
- Green (45%)
- Blue (14%)



- Red (0%)
- Yellow (35%)
- Blue (45%)



- Cyan (99%)
- Magenta (0%)
- Yellow (69%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 017223 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 017223 by changing the saturation by 10% instead.



 017223

 017223

FFFFFF

 005909

 4BA754

 004000

 67C36D

 002B00

 83DF87

 000A00


 9FFCA1

 000000

 BCFFBD

 D9FFD9

 F6FFF6

 017223

 017223

■ 007222

■ 0C722B

■ 187233

■ 23723B

■ 2F7243

■ 3A724B

■ 457253

■ 51725B

■ 5C7263

■ 68726B

# Harmonies

## Analogous

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



556A00



017223



007654

# Triad

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



017223



006BBF



B33142

# Complementary

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



017223



720150

# 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.



AE2E70



017223



435BB9

# Square

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



017223



0074AB



8D439C



A14715

# Rectangle

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



017223



007774



8D439C



B42D51



# Sweetspot

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



017223



689475



507201



2F4A37



C9C9C9



4A4A4A



# Same Dimension

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



017223



00942D



01725B



323834



007824



00F74A



# Inverse Universe

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



720150



940067



720118



383236



780054



F700AD



# Previews

## White Background



This preview shows how the Hex color 017223 looks on a white background.

## Color Contrast Check

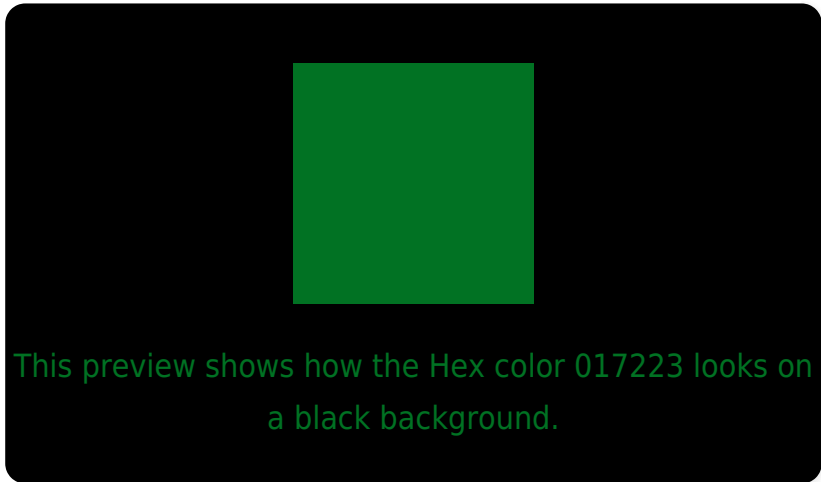
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 017223 Background



This preview shows how black text looks on a background with the Hex color 017223.



This preview shows how white text looks on a background with the Hex color 017223.

# 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**  
017223

**Protanopia**  
6D621F

**Deuteranopia**  
795D2A



**Tritanopia**  
2E6A73

# Trichromacy



**Original Color**

017223



**Protanomaly**

466820



**Deuteranomaly**

4D6527



**Tritanomaly**

1E6D56

# Monochromacy



**Original Color**

017223



**Achromatopsia**

474747



**Achromatomaly**

2E573A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 017223 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 #017223 looks like.

```
.text, #text, p{  
    color:#017223  
}
```

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 #017223 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #017223
}
```

## Border

The CSS property to change the border of an element to Hex 017223 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".

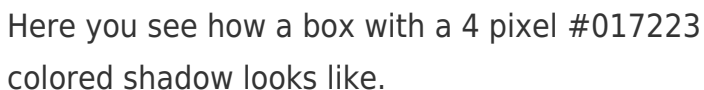
```
.border, #border, table{ border:4px solid
#017223 }
```

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

```
.border{ border-color:#017223 }
```

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

Here you see how a box with a 4 pixel #017223 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #017223; -webkit-box-shadow:4px 4px  
4px 4px #017223; box-shadow:4px 4px 4px  
4px #017223 }
```

# Background

The CSS property to change the background color of an element to Hex 017223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#017223 }
```

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

```
.background{ background-color:#017223 }
```

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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