

# Converting Colors

Hex(007A23)

Have a look what the booklet for  
Hex(007A23) contains.

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**Color**

**Hex(007A23)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007A23
RGB	0, 122, 35
RGB Percent	0%, 48%, 14%
CMY	1.0000, 0.5216, 0.8627
CMYK	1.00, 0.00, 0.71, 0.52
HSL	137°, 100%, 24%
HSV	137°, 100%, 48%
XYZ	7.2629, 14.0404, 3.9174
YIQ	75.6040, -44.7850, -52.9210

# Conversions

## Conversions Part 2

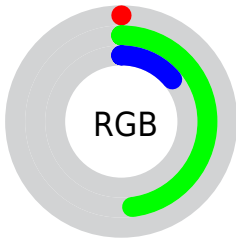
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 95, 122
Decimal	31267
CIELab	44.29, -47.70, 37.92
CIELCh	44, 60.939, 141.513
Yxy	14.0404, 0.2880, 0.5567
Android (android.graphics.Color)	4278221347 (0xFF007A23)
YUV	75.6040, -20.0178, -66.3047
Hunter-Lab	37.4705, -30.9748, 20.0309

# Details

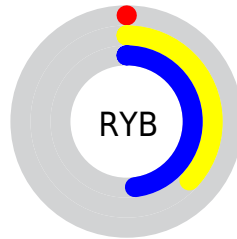
The Hex color **007A23** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7A0057**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **4EB054**, and **004800** is the 20% darker color. If you saturate the color by 10%, you get **007A23**, and if you desaturate by 10%, it is **0C7A2C**.

# Distribution



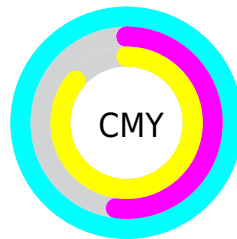
- Red (0%)
- Green (48%)
- Blue (14%)



- Red (0%)
- Yellow (37%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (52%)



- Cyan (100%)
- Magenta (52%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007A23 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 007A23 by changing the saturation by 10% instead.



 007A23

 007A23

FFFFFF

 006007

 4EB054

 004800

 6ACB6E

 003000

 87E888

 001800

 A3FFA3

 000000

 C0FFBE

 D0FFDB


 FBFFF7

 007A23

 0C7A2C

 187A34

 257A3D

 317A46

 3D7A4F

 497A57

 557A60

 627A69

 6E7A71

# Harmonies

## Analogous

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



5C7100



007A23



007E58

# Triad

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



007A23



0073CE



C03347

# Complementary

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



007A23



7A0057

# 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.



BB3079



007A23



4362C8

# Square

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



007A23



007CB8



9748A9



AE4B16

# Rectangle

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



007A23



007F7C



9748A9



C12E57



# Sweetspot

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



007A23



6F9E7C



577A00



334F3B



CFCFCF



4F4F4F



# Same Dimension

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



007A23



009E2D



007A60



373D39



007D24



00FC48



# Inverse Universe

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



7A0057



9E0071



7A001A



3D373B



7D0059



FC00B4



# Previews

## White Background



This preview shows how the Hex color 007A23 looks on a white background.

## Color Contrast Check

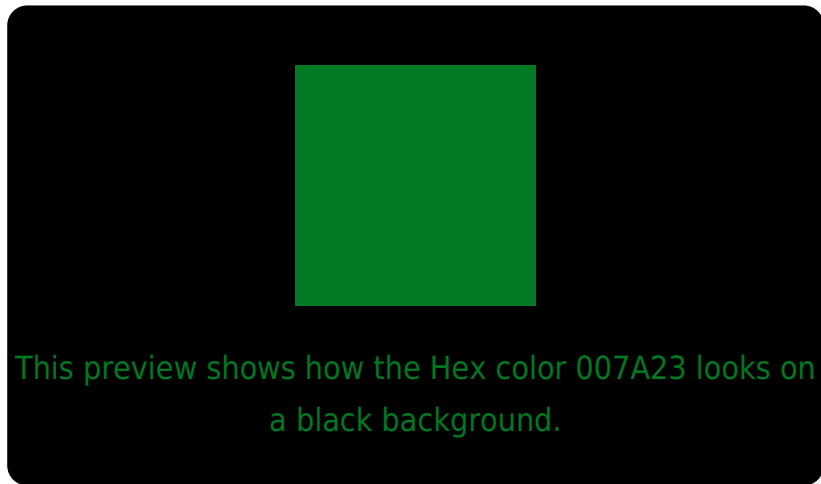
Large Text (above 18pt) WCAG AA ✓ Pass

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 007A23 Background



This preview shows how black text looks on a background with the Hex color 007A23.



This preview shows how white text looks on a background with the Hex color 007A23.

# 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**  
007A23

**Protanopia**  
75691E

**Deuteranopia**  
82632B



**Tritanopia**  
32727B

# Trichromacy



**Original Color**  
007A23



**Protanomaly**  
4A6F20



**Deuteranomaly**  
536B28



**Tritanomaly**  
20755B

# Monochromacy



**Original Color**  
007A23



**Achromatopsia**  
4C4C4C



**Achromatomaly**  
305D3D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007A23 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 #007A23 looks like.

```
.text, #text, p{  
    color:#007A23  
}
```

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 #007A23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007A23
}
```

## Border

The CSS property to change the border of an element to Hex 007A23 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
#007A23 }
```

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

```
.border{ border-color:#007A23 }
```

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

Here you see how a box with a 4 pixel #007A23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007A23; -webkit-box-shadow:4px 4px  
4px 4px #007A23; box-shadow:4px 4px 4px  
4px #007A23 }
```

# Background

The CSS property to change the background color of an element to Hex 007A23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007A23 }
```

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

```
.background{ background-color:#007A23 }
```

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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