

# Converting Colors

Hex(163A02)

Have a look what the booklet for  
Hex(163A02) contains.

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# Color

**Hex(163A02)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	163A02
RGB	22, 58, 2
RGB Percent	9%, 23%, 1%
CMY	0.9137, 0.7725, 0.9922
CMYK	0.62, 0.00, 0.97, 0.77
HSL	99°, 93%, 12%
HSV	99°, 97%, 23%
XYZ	1.8549, 3.2011, 0.5775
YIQ	40.8520, -3.4800, -25.0480

# Conversions

## Conversions Part 2

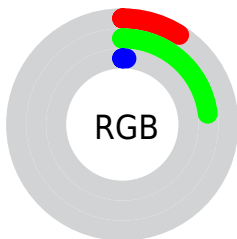
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 58, 38
Decimal	1456642
CIE <sub>Lab</sub>	20.83, -24.14, 27.66
CIE <sub>LCh</sub>	21, 36.711, 131.119
Yxy	3.2011, 0.3293, 0.5682
Android (android.graphics.Color)	4279646722 (0xFF163A02)
YUV	40.8520, -19.1540, -16.5332
Hunter-Lab	17.8915, -12.8043, 10.6102

# Details

The Hex color **163A02** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **26023A**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **466A31**, and **000600** is the 20% darker color. If you saturate the color by 10%, you get **153A00**, and if you desaturate by 10%, it is **1A3A08**.

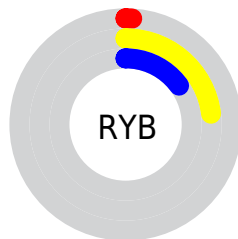
# Distribution



Red (9%)

Green (23%)

Blue (1%)



Red (1%)

Yellow (23%)

Blue (15%)

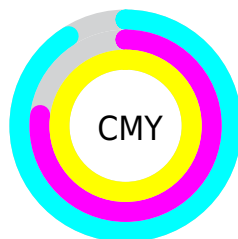


Cyan (62%)

Magenta (0%)

Yellow (97%)

Black (77%)



Cyan (91%)

Magenta (77%)


Yellow (99%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 163A02 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 163A02 by changing the saturation by 10% instead.



 163A02

 163A02

 FFFFE7

 002400

 466A31

 000600

 5F8348

 000000

 789D61

 92B87A

 AED494

 C9F0AF

 E6FFCA

 163A02

 163A02

■ 153A00

■ 1A3A08

■ 1D3A0E

■ 213A13

■ 253A19

■ 293A1F

■ 2C3A25

■ 303A2B

■ 343A30

■ 383A36

# Harmonies

## Analogous

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



363400



163A02



003D1F

# Triad

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



163A02



003A65



611329

# Complementary

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



163A02



26023A

# 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.



591844



163A02



003268

# Square

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



163A02



003D55



3F265B



5C1E0F

# Rectangle

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



163A02



003E32



3F265B



601332



# Sweetspot

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



163A02



3E4D36



3A2502



1E2619



A6A6A6



262626



# Same Dimension

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



163A02



1B4D00



023A09



1A1C19



215C00



4EDB00



# Inverse Universe

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



26023A



31004D



3A0233



1B191C



3B005C

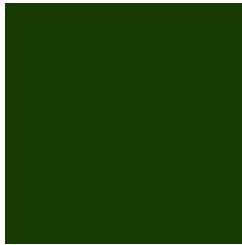


8D00DB



# Previews

## White Background



This preview shows how the Hex color 163A02 looks on a white background.

## Color Contrast Check

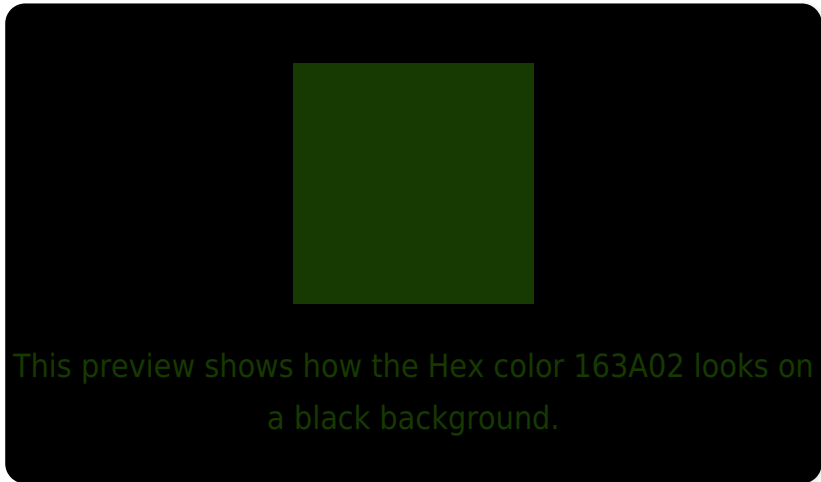
Large Text (above 18pt) WCAG AA ✓ Pass

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

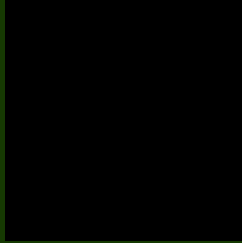
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 163A02 Background



This preview shows how black text looks on a background with the Hex color 163A02.



This preview shows how white text looks on a background with the Hex color 163A02.

# 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](#).

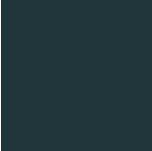
## Dichromacy



**Original Color**  
163A02

**Protanopia**  
393200

**Deuteranopia**  
3F300C



**Tritanopia**  
20363A

# Trichromacy



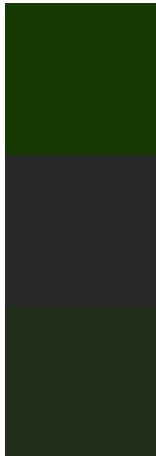
**Original Color**  
163A02

**Protanomaly**  
2C3501

**Deuteranomaly**  
303408

**Tritanomaly**  
1C3726

# Monochromacy



**Original Color**  
163A02

**Achromatopsia**  
292929

**Achromatomaly**  
222F1B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 163A02 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 #163A02 looks like.

```
.text, #text, p{  
    color:#163A02  
}
```

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 #163A02 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #163A02
}
```

## Border

The CSS property to change the border of an element to Hex 163A02 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
#163A02 }
```

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

```
.border{ border-color:#163A02 }
```

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

Here you see how a box with a 4 pixel #163A02 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #163A02; -webkit-box-shadow:4px 4px  
4px 4px #163A02; box-shadow:4px 4px 4px  
4px #163A02 }
```

# Background

The CSS property to change the background color of an element to Hex 163A02 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#163A02 }
```

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

```
.background{ background-color:#163A02 }
```

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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