

Converting Colors

Hex(166A23)

Have a look what the booklet for
Hex(166A23) contains.

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Color

Hex(166A23)

Conversions

Conversions Part 1

Format	Color
Hex	166A23
RGB	22, 106, 35
RGB Percent	9%, 42%, 14%
CMY	0.9137, 0.5843, 0.8627
CMYK	0.79, 0.00, 0.67, 0.58
HSL	129°, 66%, 25%
HSV	129°, 79%, 42%
XYZ	5.7883, 10.6000, 3.3310
YIQ	72.7900, -27.2730, -39.8890

Conversions

Conversions Part 2

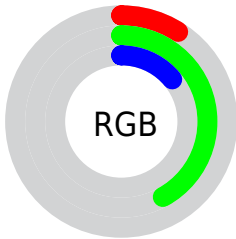
Format	Color
R_{YB}	22, 95, 106
Decimal	1468963
CIE _{Lab}	38.90, -39.91, 32.10
CIE _{LCh}	39, 51.222, 141.192
Yxy	10.6000, 0.2935, 0.5375
Android (android.graphics.Color)	4279659043 (0xFF166A23)
YUV	72.7900, -18.6305, -44.5428
Hunter-Lab	32.5576, -25.2411, 16.7243

Details

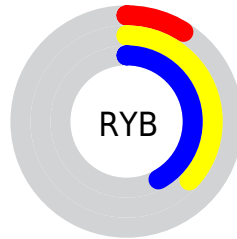
The Hex color **166A23** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6A165D**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **519E53**, and **003900** is the 20% darker color. If you saturate the color by 10%, you get **0B6A1A**, and if you desaturate by 10%, it is **216A2C**.

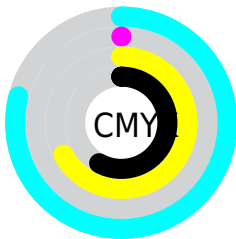
Distribution



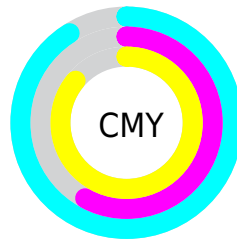
- Red (9%)
- Green (42%)
- Blue (14%)



- Red (9%)
- Yellow (37%)
- Blue (42%)



- Cyan (79%)
- Magenta (0%)
- Yellow (67%)
- Black (58%)




- Cyan (91%)
- Magenta (58%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Hex color 166A23 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 166A23 by changing the saturation by 10% instead.

 166A23

 166A23

FFFFFF

 00510A

 519E53

 003900

 6CBA6C

 002500

 87D686

 000000

 A3F2A0

 BFFFBB

 DCFFD7

 F9FFF4

 166A23

 166A23

■ 0B6A1A

■ 216A2C

■ 016A11

■ 2B6A35

■ 006A10

■ 366A3E

■ 406A47

■ 4B6A50

■ 566A59

■ 606A62

■ 6B6A6B

■ 756A74

Harmonies

Analogous

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



536200



166A23



006E4E

Triad

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



166A23



0064AE



A53240

Complementary

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



166A23



6A165D

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.



9F316A



166A23



3F56AA

Square

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



166A23



006C9C



814290



96431A

Rectangle

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



166A23



006F6B



814290



A52F4E

Sweetspot

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



166A23



698A6E



5D6A16



314534



C4C4C4



454545

Same Dimension

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



166A23



078A1B



166A4D



303631



007512



00F526

Inverse Universe

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



6A165D



8A0775



6A1633



363035



750063



F500CF

Previews

White Background



This preview shows how the Hex color 166A23 looks on a white background.

Color Contrast Check

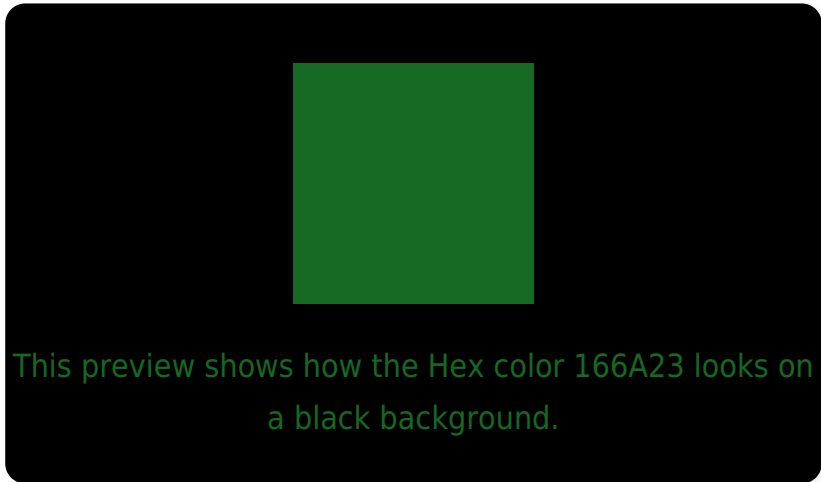
Large Text (above 18pt) WCAG AA ✓ Pass

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

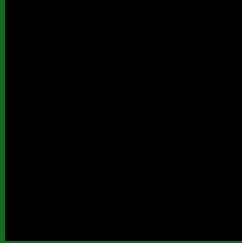
Any Text WCAG AA × Fail

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 166A23 Background



This preview shows how black text looks on a background with the Hex color 166A23.



This preview shows how white text looks on a background with the Hex color 166A23.

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
166A23

Protanopia
665B1F

Deuteranopia
715729



Tritanopia
2F636B

Trichromacy



Original Color
166A23



Protanomaly
496020



Deuteranomaly
505E27



Tritanomaly
266651

Monochromacy



Original Color
166A23



Achromatopsia
494949



Achromatomaly
36553B

CSS Examples

Text

The CSS property to change the color of the text to Hex 166A23 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 #166A23 looks like.

```
.text, #text, p{  
    color:#166A23  
}
```

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 #166A23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #166A23
}
```

Border

The CSS property to change the border of an element to Hex 166A23 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
#166A23 }
```

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

```
.border{ border-color:#166A23 }
```

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

Here you see how a box with a 4 pixel #166A23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #166A23; -webkit-box-shadow:4px 4px  
4px 4px #166A23; box-shadow:4px 4px 4px  
4px #166A23 }
```

Background

The CSS property to change the background color of an element to Hex 166A23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#166A23 }
```

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

```
.background{ background-color:#166A23 }
```

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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