

Converting Colors

Hex(106A31)

Have a look what the booklet for
Hex(106A31) contains.

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Color

Hex(106A31)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 106A31 |
| RGB | 16, 106, 49 |
| RGB Percent | 6%, 42%, 19% |
| CMY | 0.9373, 0.5843, 0.8078 |
| CMYK | 0.85, 0.00, 0.54, 0.58 |
| HSL | 142°, 74%, 24% |
| HSV | 142°, 85%, 42% |
| XYZ | 5.9221, 10.6400, 4.6473 |
| YIQ | 72.5920, -35.3430, -36.8070 |

Conversions

Conversions Part 2

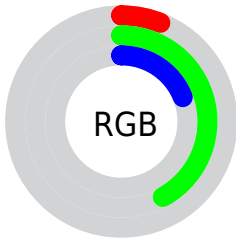
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 16, 82, 106 |
| Decimal | 1075761 |
| CIELab | 38.97, -38.71, 24.88 |
| CIELCh | 39, 46.012, 147.272 |
| Yxy | 10.6400, 0.2792, 0.5017 |
| Android (android.graphics.Color) | 4279265841 (0xFF106A31) |
| YUV | 72.5920, -11.6309, -49.6312 |
| Hunter-Lab | 32.6190, -24.6759, 14.3861 |

Details

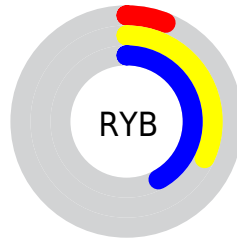
The Hex color **106A31** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6A1049**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **4D9E61**, and **003903** is the 20% darker color. If you saturate the color by 10%, you get **056A2A**, and if you desaturate by 10%, it is **1B6A38**.

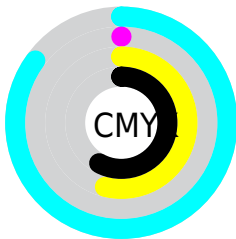
Distribution



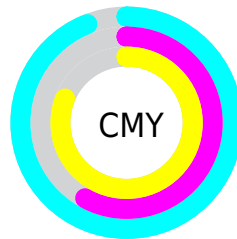
- Red (6%)
- Green (42%)
- Blue (19%)



- Red (6%)
- Yellow (32%)
- Blue (42%)



- Cyan (85%)
- Magenta (0%)
- Yellow (54%)
- Black (58%)



- Cyan (94%)
- Magenta (58%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 106A31 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 106A31 by changing the saturation by 10% instead.

 106A31

 106A31

FFFFFF

 00511B

 4D9E61

 003903

 68BA7A

 002500

 84D694

 000000

 9FF2AF

 BBFFCA

 D8FFE6

 F5FFFF

 106A31

 106A31

■ 056A2A

■ 1B6A38

■ 006A27

■ 256A3E

■ 306A45

■ 3A6A4C

■ 456A53

■ 506A59

■ 5A6A60

■ 656A67

■ 6F6A6D

Harmonies

Analogous

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



4D6410



106A31



006D57

Triad

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



106A31



0061A7



9D3B3C

Complementary

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



106A31



6A1049

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.



9C3761



106A31



55539F

Square

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



106A31



006A9A



854285



8D4A1B

Rectangle

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



106A31



006D71



854285



9F3848

Sweetspot

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



106A31



678A74



496A10



304538



C4C4C4



454545

Same Dimension

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



106A31



008A32



106A5E



303632



00752B



00F55A

Inverse Universe

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



6A1049



8A0057



6A101C



363034



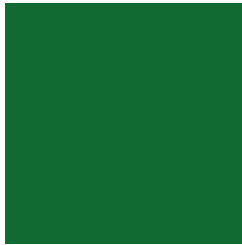
75004A



F5009B

Previews

White Background



This preview shows how the Hex color 106A31 looks on a white background.

Color Contrast Check

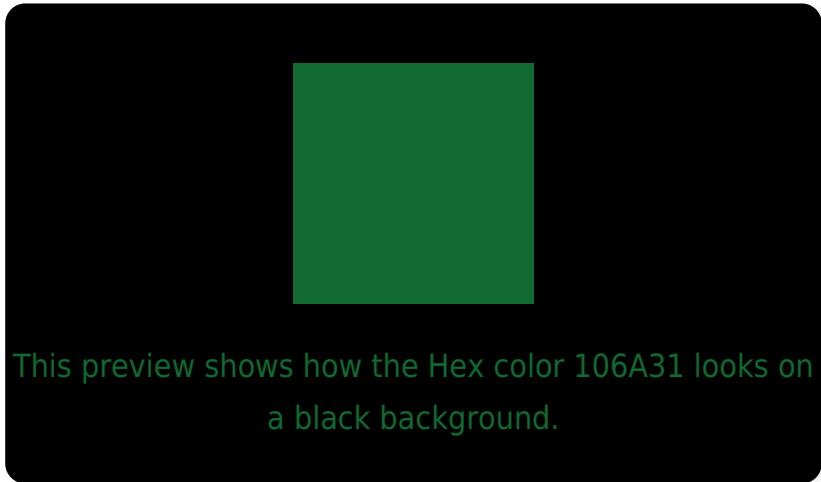
Large Text (above 18pt) WCAG AA ✓ Pass

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

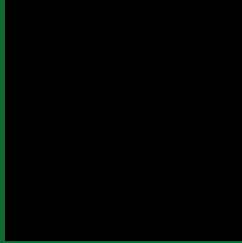
Any Text WCAG AA × Fail

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 106A31 Background



This preview shows how black text looks on a background with the Hex color 106A31.



This preview shows how white text looks on a background with the Hex color 106A31.

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
106A31

Protanopia
655C2C

Deuteranopia
6F5736



Tritanopia
2B646C

Trichromacy



Original Color
106A31

Protanomaly
46612E

Deuteranomaly
4C5E34

Tritanomaly
216657

Monochromacy



Original Color
106A31

Achromatopsia
494949

Achromatomaly
345540

CSS Examples

Text

The CSS property to change the color of the text to Hex 106A31 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 #106A31 looks like.

```
.text, #text, p{  
    color:#106A31  
}
```

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 #106A31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #106A31
}
```

Border

The CSS property to change the border of an element to Hex 106A31 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
#106A31 }
```

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

```
.border{ border-color:#106A31 }
```

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

Here you see how a box with a 4 pixel #106A31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #106A31; -webkit-box-shadow:4px 4px  
4px 4px #106A31; box-shadow:4px 4px 4px  
4px #106A31 }
```

Background

The CSS property to change the background color of an element to Hex 106A31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#106A31 }
```

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

```
.background{ background-color:#106A31 }
```

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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