

# Converting Colors

Hex(046B27)

Have a look what the booklet for  
Hex(046B27) contains.

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**Color**

**Hex(046B27)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	046B27
RGB	4, 107, 39
RGB Percent	2%, 42%, 15%
CMY	0.9843, 0.5804, 0.8471
CMYK	0.96, 0.00, 0.64, 0.58
HSL	140°, 93%, 22%
HSV	140°, 96%, 42%
XYZ	5.6740, 10.6877, 3.6833
YIQ	68.4510, -39.5600, -42.9840

# Conversions

## Conversions Part 2

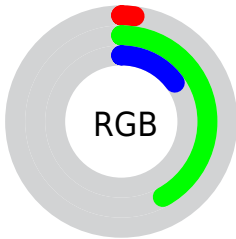
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 81, 107
Decimal	289575
CIELab	39.05, -41.87, 30.23
CIELCh	39, 51.642, 144.171
Yxy	10.6877, 0.2831, 0.5332
Android (android.graphics.Color)	4278479655 (0xFF046B27)
YUV	68.4510, -14.5193, -56.5235
Hunter-Lab	32.6920, -26.2309, 16.2043

# Details

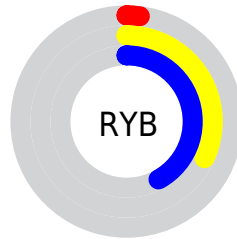
The Hex color **046B27** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6B0448**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **4A9F57**, and **003A00** is the 20% darker color. If you saturate the color by 10%, you get **006B24**, and if you desaturate by 10%, it is **0F6B2E**.

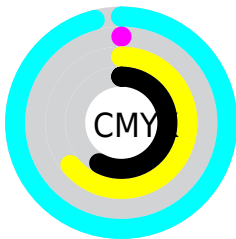
# Distribution



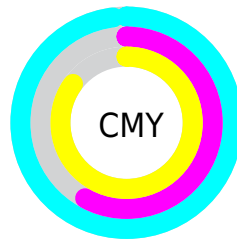
- Red (2%)
- Green (42%)
- Blue (15%)



- Red (2%)
- Yellow (32%)
- Blue (42%)



- Cyan (96%)
- Magenta (0%)
- Yellow (64%)
- Black (58%)



- Cyan (98%)
- Magenta (58%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 046B27 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 046B27 by changing the saturation by 10% instead.





046B27



046B27

FFFFFF



00520F



4A9F57



003A00



65BB70



002500



81D78A



000000



9DF4A4



B9FFC0



D6FFDC



F3FFF8



046B27



046B27

■ 006B24

■ 0F6B2E

■ 196B35

■ 246B3C

■ 2F6B43

■ 3A6B4A

■ 446B51

■ 4F6B58

■ 5A6B60

■ 646B67

# Harmonies

## Analogous

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



4E6400



046B27



006E52

# Triad

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



046B27



0064B0



A5333C

# Complementary

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



046B27



6B0448

# 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.



A22F66



046B27



4954A9

# Square

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



046B27



006CA0



86408E



944516

# Rectangle

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



046B27



006F6F



86408E



A62F4A



# Sweetspot

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



046B27



648C71



496B04



2E4737



C7C7C7



474747



# Same Dimension

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



046B27



008C30



046B5A



303632



007528



00F553



# Inverse Universe

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



6B0448



8C005D



6B0415



363034



75004D

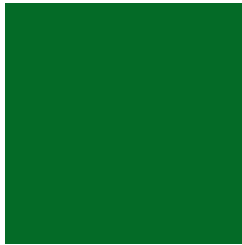


F500A2



# Previews

## White Background



This preview shows how the Hex color 046B27 looks on a white background.

## Color Contrast Check

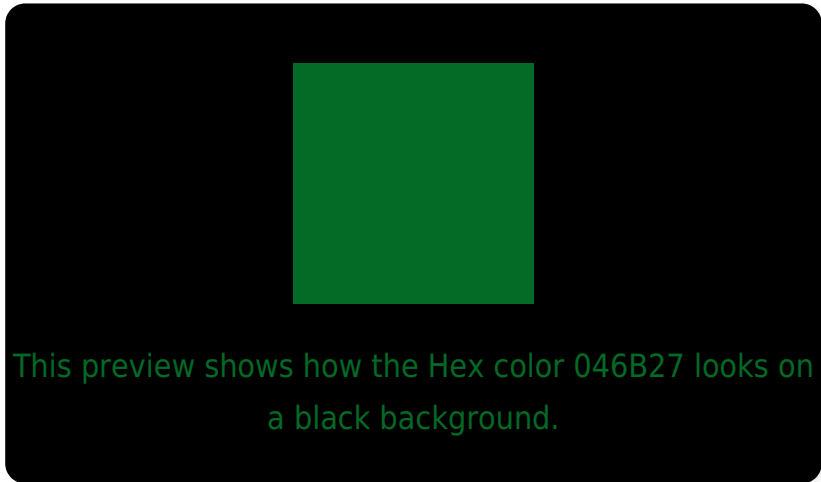
Large Text (above 18pt) WCAG AA ✓ Pass

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 046B27 Background



This preview shows how black text looks on a background with the Hex color 046B27.



This preview shows how white text looks on a background with the Hex color 046B27.

# 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**  
046B27

**Protanopia**  
665C23

**Deuteranopia**  
71572D



**Tritanopia**  
2B646C

# Trichromacy



**Original Color**  
046B27



**Protanomaly**  
426124



**Deuteranomaly**  
495E2B



**Tritanomaly**  
1D6753

# Monochromacy



**Original Color**  
046B27



**Achromatopsia**  
444444



**Achromatomaly**  
2D5239

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 046B27 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 #046B27 looks like.

```
.text, #text, p{  
  color:#046B27  
}
```

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 #046B27 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #046B27
}
```

## Border

The CSS property to change the border of an element to Hex 046B27 is called "border". The border property can be set on classes, ids or directly on the HTML element.

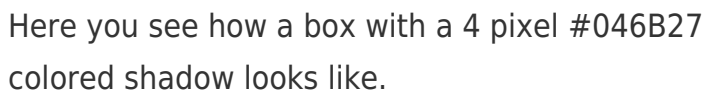
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#046B27 }
```

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

```
.border{ border-color:#046B27 }
```

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



Here you see how a box with a 4 pixel #046B27 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #046B27; -webkit-box-shadow:4px 4px  
4px 4px #046B27; box-shadow:4px 4px 4px  
4px #046B27 }
```

# Background

The CSS property to change the background color of an element to Hex 046B27 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#046B27 }
```

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

```
.background{ background-color:#046B27 }
```

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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