

# Converting Colors

Hex(296946)

Have a look what the booklet for  
Hex(296946) contains.

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# Color

Hex(296946)

# Conversions

## Conversions Part 1

Format	Color
Hex	296946
RGB	41, 105, 70
RGB Percent	16%, 41%, 27%
CMY	0.8392, 0.5882, 0.7255
CMYK	0.61, 0.00, 0.33, 0.59
HSL	147°, 44%, 29%
HSV	147°, 61%, 41%
XYZ	7.0715, 11.0168, 7.5481
YIQ	81.8740, -26.9090, -24.4530

# Conversions

## Conversions Part 2

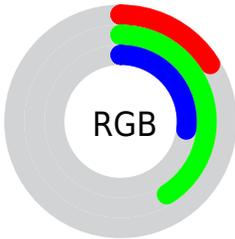
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 85, 105
Decimal	2713926
CIELab	39.61, -29.40, 13.72
CIELCh	40, 32.441, 154.985
Yxy	11.0168, 0.2758, 0.4297
Android (android.graphics.Color)	4280904006 (0xFF296946)
YUV	81.8740, -5.8539, -35.8465
Hunter-Lab	33.1915, -20.0554, 9.7509

# Details

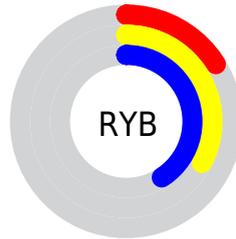
The Hex color **296946** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **69294C**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **5D9D77**, and **00391A** is the 20% darker color. If you saturate the color by 10%, you get **1E6940**, and if you desaturate by 10%, it is **33694C**.

# Distribution



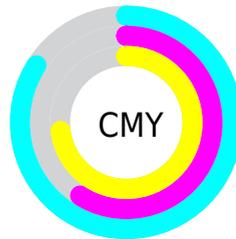
-  Red (16%)
-  Green (41%)
-  Blue (27%)



-  Red (16%)
-  Yellow (33%)
-  Blue (41%)



-  Cyan (61%)
-  Magenta (0%)
-  Yellow (33%)
-  Black (59%)



-  Cyan (84%)
-  Magenta (59%)
-  Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 296946 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 296946 by changing the saturation by 10% instead.





296946



296946

FFFFFF



0A502F



5D9D77



00391A



77B890



002400



92D4AB



000000



ADF0C6



C9FFE2



E6FFFF



296946



296946



1E6940



33694C

■ 14693B

■ 3E6951

■ 096935

■ 496957

■ 006930

■ 53695D

■ 5E6963

■ 686968

■ 72696E

■ 7D6974

■ 87697A

# Harmonies

## Analogous

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



4D6530



296946



006B61

# Triad

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



296946



385F92



8D4B40

# Complementary

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



296946



69294C

# 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.



8E475A



296946



655589

# Square

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



296946



00668D



824B74



7F542D

# Rectangle

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



296946



006B73



824B74



8F4948



# Sweetspot

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



296946



718A7C



4C6929



36453D



C4C4C4



454545



# Same Dimension

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



296946



258A53



296966



303633



007535



00F56F



# Inverse Universe

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



69294C



8A255C



69292C



363033



750040

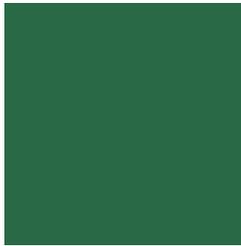


F50086



# Previews

## White Background



This preview shows how the Hex color 296946 looks on a white background.

## Color Contrast Check

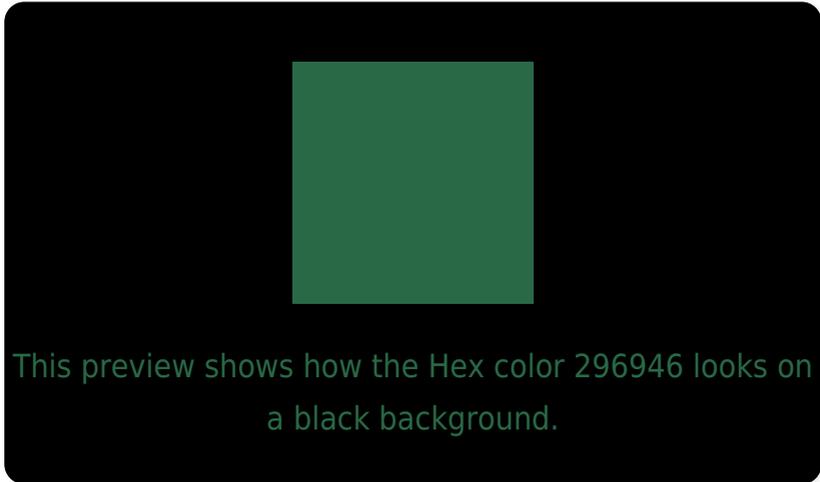
Large Text (above 18pt) WCAG AA ✓ Pass

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 296946 Background



This preview shows how black text looks on a background with the Hex color 296946.



This preview shows how white text looks on a background with the Hex color 296946.

# 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**  
296946

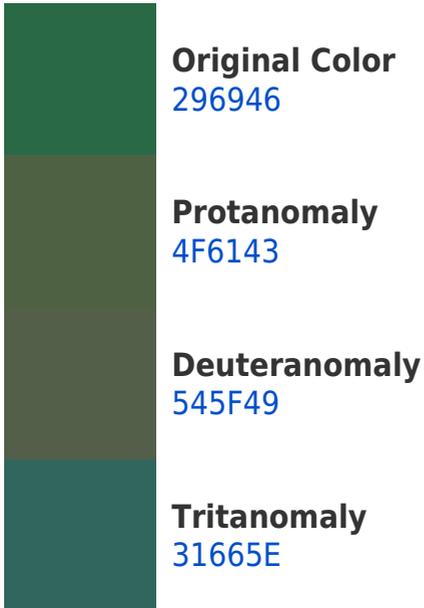
**Protanopia**  
645D41

**Deuteranopia**  
6C594A

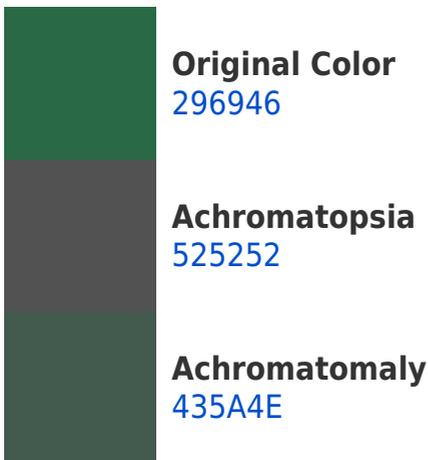


**Tritanopia**  
35646C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 296946 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 #296946 looks like.

```
.text, #text, p{  
    color:#296946  
}
```

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 #296946 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #296946
}
```

## Border

The CSS property to change the border of an element to Hex 296946 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
#296946 }
```

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

```
.border{ border-color:#296946 }
```

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

Here you see how a box with a 4 pixel #296946 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #296946; -webkit-box-shadow:4px 4px  
4px 4px #296946; box-shadow:4px 4px 4px  
4px #296946 }
```

# Background

The CSS property to change the background color of an element to Hex 296946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#296946 }
```

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

```
.background{ background-color:#296946 }
```

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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