

# Converting Colors

Hex(296042)

Have a look what the booklet for  
Hex(296042) contains.

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# Color

**Hex(296042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	296042
RGB	41, 96, 66
RGB Percent	16%, 38%, 26%
CMY	0.8392, 0.6235, 0.7412
CMYK	0.57, 0.00, 0.31, 0.62
HSL	147°, 40%, 27%
HSV	147°, 57%, 38%
XYZ	6.0807, 9.2305, 6.6154
YIQ	76.1350, -23.1500, -20.9900

# Conversions

## Conversions Part 2

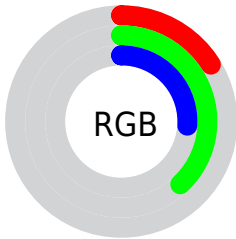
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 79, 96
Decimal	2711618
CIELab	36.42, -25.99, 11.76
CIELCh	36, 28.530, 155.654
Yxy	9.2305, 0.2773, 0.4210
Android (android.graphics.Color)	4280901698 (0xFF296042)
YUV	76.1350, -4.9966, -30.8134
Hunter-Lab	30.3817, -17.4426, 8.3572

# Details

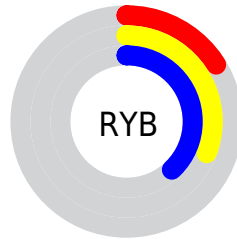
The Hex color **296042** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **602947**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **5B9372**, and **003117** is the 20% darker color. If you saturate the color by 10%, you get **1F603D**, and if you desaturate by 10%, it is **336047**.

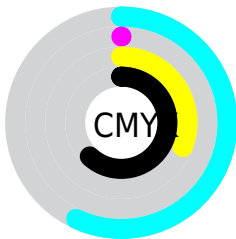
# Distribution



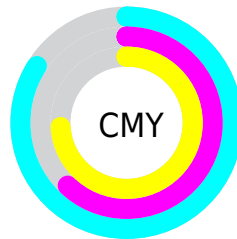
- Red (16%)
- Green (38%)
- Blue (26%)



- Red (16%)
- Yellow (31%)
- Blue (38%)



- Cyan (57%)
- Magenta (0%)
- Yellow (31%)
- Black (62%)



- Cyan (84%)
- Magenta (62%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 296042 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 296042 by changing the saturation by 10% instead.



 296042

 296042

FFFFFF

 0E482C

 5B9372

 003117

 75AE8C

 001E00

 8FC9A6

 000000

 ABE6C1

 C6FFDD

 E3FFFA

 296042

 296042

 1F603D

 336047

■ 166038

■ 3C604C

■ 0C6032

■ 466052

■ 03602D

■ 4F6057

■ 00602C

■ 59605C

■ 636061

■ 6C6067

■ 76606C

■ 7F6071

# Harmonies

## Analogous

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



475C2F



296042



006259

# Triad

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



296042



385783



7F463C

# Complementary

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



296042



602947

# 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.



814352



296042



5D4E7B

# Square

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



296042



005D7F



764669



734E2C

# Rectangle

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



296042



006169



764669



814443



# Sweetspot

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



296042



687D71



476029



334039



BFBFBF



404040



# Same Dimension

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



296042



277D4E



29605D



2C302E



007033



00F06D



# Inverse Universe

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



602947



7D2756



60292C



302C2E



70003D

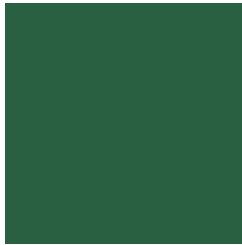


F00083



# Previews

## White Background



This preview shows how the Hex color 296042 looks on a white background.

## Color Contrast Check

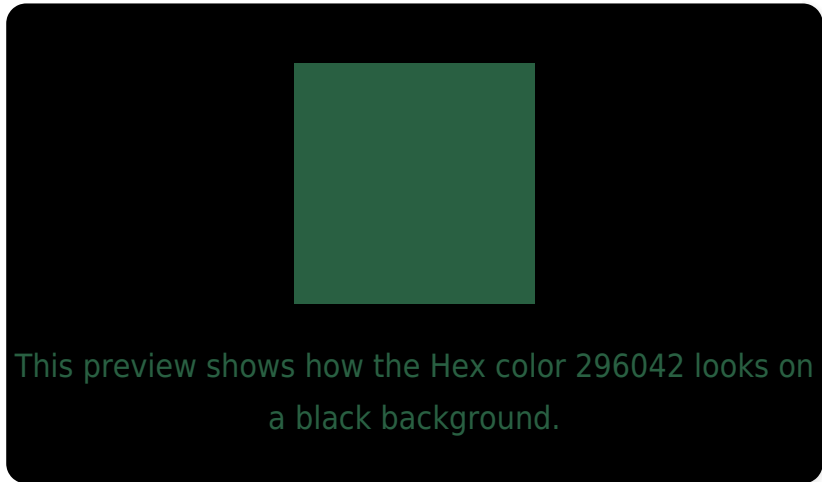
Large Text (above 18pt) WCAG AA ✓ Pass

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

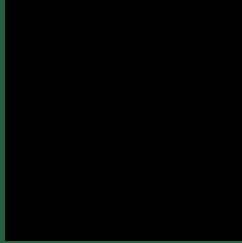
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 296042 Background



This preview shows how black text looks on a background with the Hex color 296042.



This preview shows how white text looks on a background with the Hex color 296042.

# 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**  
296042

**Protanopia**  
5C553D

**Deuteranopia**  
635245



**Tritanopia**  
335C63

# Trichromacy



**Original Color**  
296042

**Protanomaly**  
49593F

**Deuteranomaly**  
4E5744

**Tritanomaly**  
2F5D57

# Monochromacy



**Original Color**  
296042

**Achromatopsia**  
4C4C4C

**Achromatomaly**  
3F5348

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 296042 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 #296042 looks like.

```
.text, #text, p{  
    color:#296042  
}
```

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 #296042 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #296042
}
```

## Border

The CSS property to change the border of an element to Hex 296042 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".

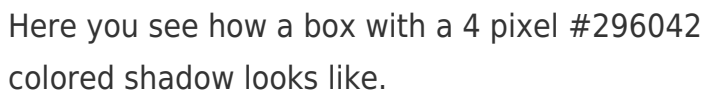
```
.border, #border, table{ border:4px solid
#296042 }
```

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

```
.border{ border-color:#296042 }
```

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

Here you see how a box with a 4 pixel #296042 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #296042; -webkit-box-shadow:4px 4px  
4px 4px #296042; box-shadow:4px 4px 4px  
4px #296042 }
```

# Background

The CSS property to change the background color of an element to Hex 296042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#296042 }
```

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

```
.background{ background-color:#296042 }
```

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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