

# Converting Colors

Decimal(12316)

Have a look what the booklet for  
Decimal(12316) contains.

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# Color

**Decimal(12316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00301C
RGB	0, 48, 28
RGB Percent	0%, 19%, 11%
CMY	1.0000, 0.8118, 0.8902
CMYK	1.00, 0.00, 0.42, 0.81
HSL	155°, 100%, 9%
HSV	155°, 100%, 19%
XYZ	1.2666, 2.1977, 1.4561
YIQ	31.3680, -22.1880, -16.3960

# Conversions

## Conversions Part 2

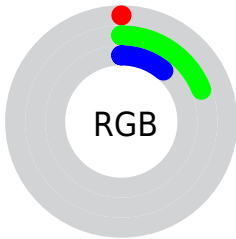
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 30, 48
Decimal	12316
CIELab	16.49, -21.51, 8.55
CIELCh	16, 23.151, 158.327
Yxy	2.1977, 0.2574, 0.4467
Android (android.graphics.Color)	4278202396 (0xFF00301C)
YUV	31.3680, -1.6604, -27.5097
Hunter-Lab	14.8248, -10.6933, 4.5540

# Details

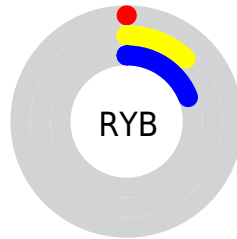
The Decimal color **12316** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3145748**, and the grayscale version is **2039583**.

A 20% lighter version of the original color is **3301192**, and **0** is the 20% darker color. If you saturate the color by 10%, you get **12316**, and if you desaturate by 10%, it is **339998**.

# Distribution



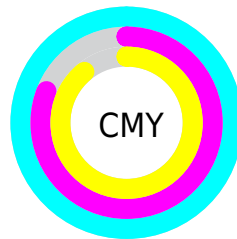
- Red (0%)
- Green (19%)
- Blue (11%)



- Red (0%)
- Yellow (12%)
- Blue (19%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (81%)



- Cyan (100%)
- Magenta (81%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 12316 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 Decimal color 12316 by changing the saturation by 10% instead.



■ 12316

■ 12316

■ 15400959

■ 7426

■ 3301192

■ 0

■ 4880479

■ 6525304

■ 8236178

■ 9947308

■ 11723976

■ 13565924

■ 12316

■ 339998

■ 667680

■ 929826

■ 1257508

■ 1585190

■ 1912872

■ 2240554

■ 2502700

■ 2830382

# Harmonies

## Analogous

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



1846797



12316



12589

# Triad

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



12316



1124681



4529429

# Complementary

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



12316



3145748

# 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.



4659749



12316



3154755

# Square

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



12316



11847



4201525



3941383

# Rectangle

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



12316



12600



4201525



4594714



# Sweetspot

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



12316



2833718



1323008



1318682



10395294



2039583



# Same Dimension

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



12316



15652



11312



1382166



22323



54909



# Inverse Universe

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



3145748



3997721



3146752



1512726



5701668



14024793



# Previews

## White Background



This preview shows how the Decimal color 12316 looks on a white background.

## Color Contrast Check

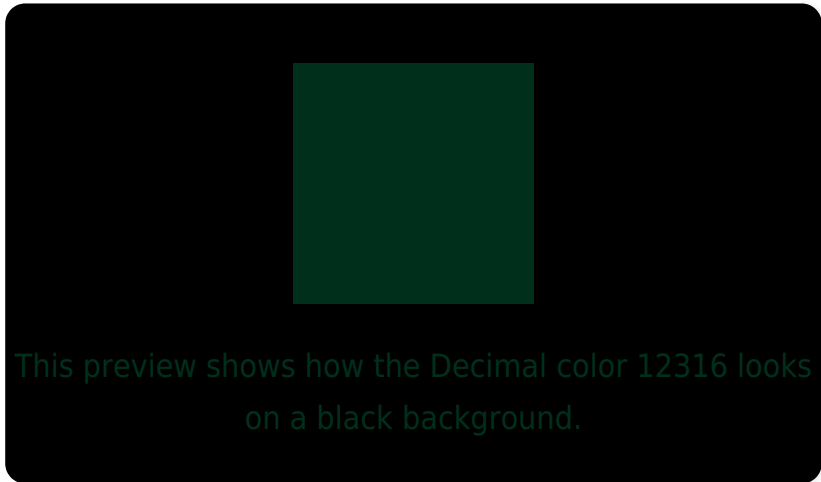
Large Text (above 18pt) WCAG AA ✓ Pass

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

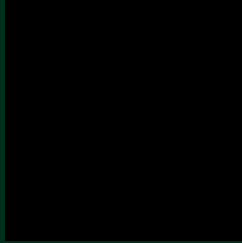
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 12316 Background



This preview shows how black text looks on a background with the Decimal color 12316.



This preview shows how white text looks on a background with the Decimal color 12316.

# 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**  
12316

**Protanopia**  
2959897

**Deuteranopia**  
3221534



**Tritanopia**  
1191473

# Trichromacy



**Original Color**  
12316

**Protanomaly**  
1911834

**Deuteranomaly**  
2042653

**Tritanomaly**  
732969

# Monochromacy



**Original Color**  
12316

**Achromatopsia**  
2039583

**Achromatomaly**  
1320222

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 12316 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 #00301C looks like.

```
.text, #text, p{  
    color:#00301C  
}
```

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 #00301C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00301C
}
```

## Border

The CSS property to change the border of an element to Decimal 12316 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
#00301C }
```

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

```
.border{ border-color:#00301C }
```

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

Here you see how a box with a 4 pixel #00301C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00301C; -webkit-box-shadow:4px 4px  
4px 4px #00301C; box-shadow:4px 4px 4px  
4px #00301C }
```

# Background

The CSS property to change the background color of an element to Decimal 12316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00301C }
```

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

```
.background{ background-color:#00301C }
```

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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