

# Converting Colors

Decimal(29501)

Have a look what the booklet for  
Decimal(29501) contains.

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# Color

**Decimal(29501)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00733D
RGB	0, 115, 61
RGB Percent	0%, 45%, 24%
CMY	1.0000, 0.5490, 0.7608
CMYK	1.00, 0.00, 0.47, 0.55
HSL	152°, 100%, 23%
HSV	152°, 100%, 45%
XYZ	6.9730, 12.5984, 6.4791
YIQ	74.4590, -51.2060, -41.1740

# Conversions

## Conversions Part 2

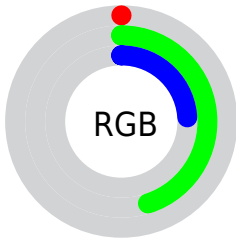
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 75, 115
Decimal	29501
CIELab	42.15, -41.34, 22.18
CIELCh	42, 46.915, 151.785
Yxy	12.5984, 0.2677, 0.4836
Android (android.graphics.Color)	4278219581 (0xFF00733D)
YUV	74.4590, -6.6353, -65.3005
Hunter-Lab	35.4942, -27.0475, 14.0232

# Details

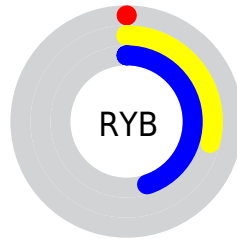
The Decimal color **29501** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7536694**, and the grayscale version is **4934475**.

A 20% lighter version of the original color is **4892781**, and **16657** is the 20% darker color. If you saturate the color by 10%, you get **29501**, and if you desaturate by 10%, it is **750402**.

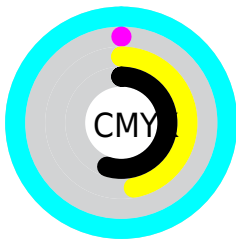
# Distribution



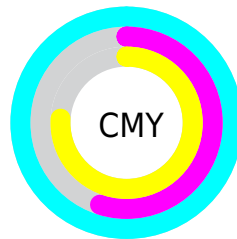
- Red (0%)
- Green (45%)
- Blue (24%)



- Red (0%)
- Yellow (29%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (55%)



- Cyan (100%)
- Magenta (55%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 29501 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 29501 by changing the saturation by 10% instead.



 29501  29501

16777215  23078

 4892781  16657

 6734983  11008

 8577185  3584

 10419644  0

 12320728

 14155765

 16121855

 29501

■ 750402

■ 1536840

■ 2323277

■ 3044179

■ 3830616

■ 4551517

■ 5337955

■ 6058856

■ 6845294

# Harmonies

## Analogous

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



5139739



29501



30309

# Triad

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



29501



26545



10896445

# Complementary

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



29501



7536694

# 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.



11026019



29501



6707366

# Square

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



29501



29095



9717641



9655325

# Rectangle

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



29501



30335



9717641



11092041



# Sweetspot

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



29501



6919809



3699456



3231040



13421772



5066061



# Same Dimension

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



29501



38480



29043



3488568



31297



64133



# Inverse Universe

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



7536694



9830471



7537152



3880248



7995449



16384117



# Previews

## White Background



This preview shows how the Decimal color 29501 looks on a white background.

### Color Contrast Check

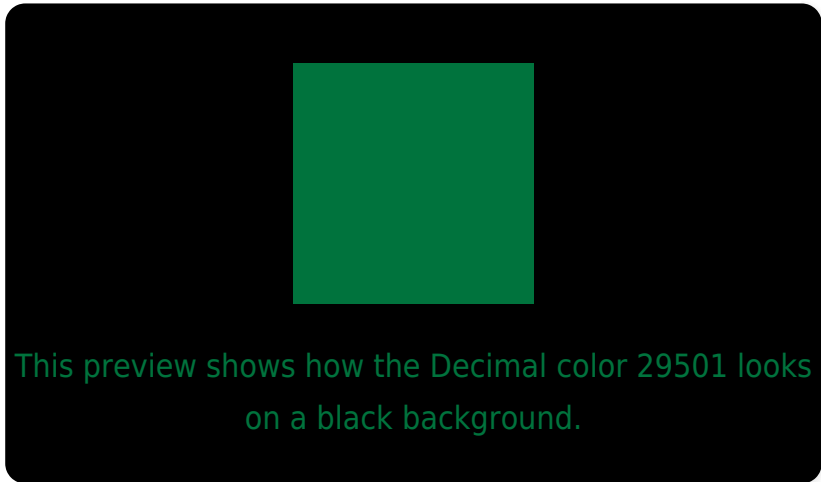
Large Text (above 18pt) WCAG AA ✓ Pass

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

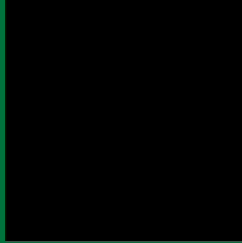
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 29501 Background



This preview shows how black text looks on a background with the Decimal color 29501.



This preview shows how white text looks on a background with the Decimal color 29501.

# 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**  
29501

**Protanopia**  
7168823

**Deuteranopia**  
7823170



# Trichromacy



**Original Color**  
29501



**Protanomaly**  
4548921



**Deuteranomaly**  
5006912



**Tritanomaly**  
1797985

# Monochromacy



**Original Color**  
29501



**Achromatopsia**  
4868682



**Achromatomaly**  
3103045

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 29501 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 #00733D looks like.

```
.text, #text, p{  
    color:#00733D  
}
```

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 #00733D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00733D
}
```

## Border

The CSS property to change the border of an element to Decimal 29501 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
#00733D }
```

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

```
.border{ border-color:#00733D }
```

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

Here you see how a box with a 4 pixel #00733D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00733D; -webkit-box-shadow:4px 4px  
4px 4px #00733D; box-shadow:4px 4px 4px  
4px #00733D }
```

# Background

The CSS property to change the background color of an element to Decimal 29501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00733D }
```

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

```
.background{ background-color:#00733D }
```

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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