

# Converting Colors

Decimal(33801)

Have a look what the booklet for  
Decimal(33801) contains.

<b>Decimal(33801)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Decimal(33801)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	008409
RGB	0, 132, 9
RGB Percent	0%, 52%, 4%
CMY	1.0000, 0.4824, 0.9647
CMYK	1.00, 0.00, 0.93, 0.48
HSL	124°, 100%, 26%
HSV	124°, 100%, 52%
XYZ	8.3006, 16.5223, 3.0101
YIQ	78.5100, -39.1890, -66.2370

# Conversions

## Conversions Part 2

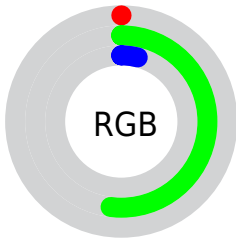
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 124, 132
Decimal	33801
CIELab	47.65, -52.53, 49.27
CIELCh	48, 72.022, 136.834
Yxy	16.5223, 0.2982, 0.5936
Android (android.graphics.Color)	4278223881 (0xFF008409)
YUV	78.5100, -34.2684, -68.8533
Hunter-Lab	40.6476, -34.6821, 24.0627

# Details

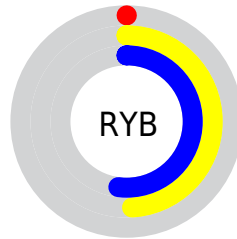
The Decimal color **33801** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8650875**, and the grayscale version is **5197647**.

A 20% lighter version of the original color is **5487173**, and **20736** is the 20% darker color. If you saturate the color by 10%, you get **33801**, and if you desaturate by 10%, it is **885781**.

# Distribution



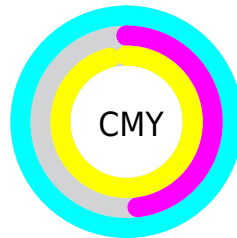
- Red (0%)
- Green (52%)
- Blue (4%)



- Red (0%)
- Yellow (49%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (93%)
- Black (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 33801 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 33801 by changing the saturation by 10% instead.




 33801                       33801

16777215                       27136

 5487173                       20736

 7395167                       14592

 9302905                       8704

 11206548                       0

 13107120

 15073228

 16777193

 33801

■ 885781

■ 1737762

■ 2655278

■ 3507258

■ 4359239

■ 5211219

■ 6063199

■ 6980715

■ 7832696

# Harmonies

## Analogous

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



6977792



33801



35155

# Triad

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



33801



33000



1423098

# Complementary

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



33801



8650875

# 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.



13510542



33801



28135

# Square

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



33801



35273



10243781



13059605

# Rectangle

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



33801



35710



10243781



14228326



# Sweetspot

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



33801



7908219



8094720



3626810



14079702



5723991



# Same Dimension

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



33801



43788



33867



3949116



33289



768



# Inverse Universe

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



8650875



11206815



8650809



4340802



8519801

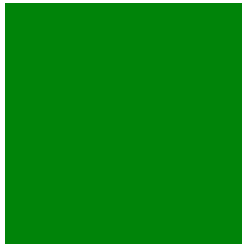


196610



# Previews

## White Background



This preview shows how the Decimal color 33801 looks on a white background.

### Color Contrast Check

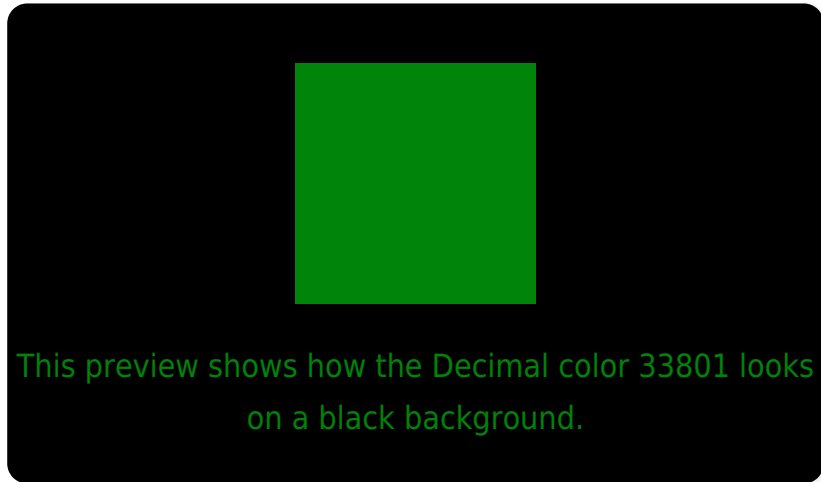
Large Text (above 18pt) WCAG AA ✓ Pass

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 33801 Background



This preview shows how black text looks on a background with the Decimal color 33801.



This preview shows how white text looks on a background with the Decimal color 33801.

# 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**  
33801

**Protanopia**  
8352000

**Deuteranopia**  
9333534



**Tritanopia**  
3636101

# Trichromacy



**Original Color**  
33801

**Protanomaly**  
5339139

**Deuteranomaly**  
5927958

**Tritanomaly**  
2326104

# Monochromacy



**Original Color**  
33801

**Achromatopsia**  
5197647

**Achromatomaly**  
3301942

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 33801 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 #008409 looks like.

```
.text, #text, p{  
    color:#008409  
}
```

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 #008409 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #008409
}
```

## Border

The CSS property to change the border of an element to Decimal 33801 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
#008409 }
```

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

```
.border{ border-color:#008409 }
```

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

Here you see how a box with a 4 pixel #008409 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #008409; -webkit-box-shadow:4px 4px  
4px 4px #008409; box-shadow:4px 4px 4px  
4px #008409 }
```

# Background

The CSS property to change the background color of an element to Decimal 33801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#008409 }
```

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

```
.background{ background-color:#008409 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor