

# Converting Colors

Decimal(8517133)

Have a look what the booklet for  
Decimal(8517133) contains.

<b>Decimal(8517133)</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(8517133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81F60D
RGB	129, 246, 13
RGB Percent	51%, 96%, 5%
CMY	0.4941, 0.0353, 0.9490
CMYK	0.48, 0.00, 0.95, 0.04
HSL	90°, 93%, 51%
HSV	90°, 95%, 96%
XYZ	42.0817, 70.6077, 11.7915
YIQ	184.4550, 5.0610, -97.2670

# Conversions

## Conversions Part 2

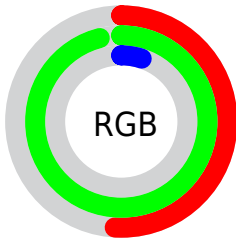
Format	Color
<a href="#">RYB</a>	<a href="#">13, 246, 130</a>
Decimal	<a href="#">8517133</a>
CIELab	<a href="#">87.29, -64.15, 82.76</a>
CIELCh	<a href="#">87, 104.712, 127.779</a>
Yxy	<a href="#">70.6077, 0.3381, 0.5672</a>
Android (android.graphics.Color)	<a href="#">4286707213 (0xFF81F60D)</a>
YUV	<a href="#">184.4550, -84.5273, -48.6340</a>
Hunter-Lab	<a href="#">84.0284, -57.6564, 50.4999</a>

# Details

The Decimal color **8517133** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **8523254**, and the grayscale version is **12171705**.

A 20% lighter version of the original color is **12582750**, and **4046080** is the 20% darker color. If you saturate the color by 10%, you get **8058368**, and if you desaturate by 10%, it is **9303590**.

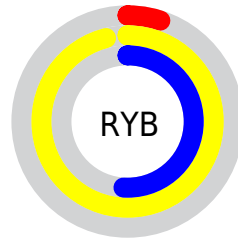
# Distribution



Red (51%)

Green (96%)

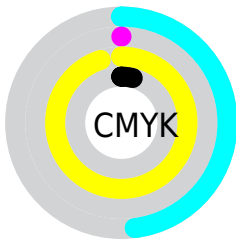
Blue (5%)



Red (5%)

Yellow (96%)

Blue (51%)

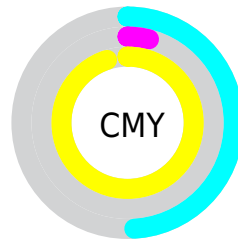


Cyan (48%)

Magenta (0%)

Yellow (95%)

Black (4%)



Cyan (49%)

Magenta (4%)



















Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 8517133 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 8517133 by changing the saturation by 10% instead.



 8517133	 8517133
 16777215	 6412544
 12582750	 4046080
 14614397	 41216
 16646042	 34304
 16777144	 27392
 16777174	 20992
 16777204	 14848
	 8448
	 0

■ 8517133

■ 8517133

■ 8058368

■ 9303590

■ 10155582

■ 10942039

■ 11728495

■ 12580488

■ 13366945

■ 14153401

■ 15005394

■ 15791850

# Harmonies

## Analogous

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



15720192



8517133



65418

# Triad

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



8517133



63999



16737733

# Complementary

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



8517133



8523254

# Split Complementary

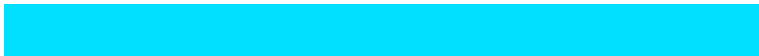
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16744191



8517133



57343

# Square

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



8517133



65535



16495615



16746853

# Rectangle

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



8517133



65488



16495615



16738023

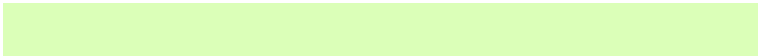


# Sweetspot

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



8517133



14417848



16155149



6979668



0



8421504



# Same Dimension

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



8517133



8388352



914957



7633518



6142464



1915648



# Inverse Universe

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



8523254



8388863



16125430



7630458



6095034

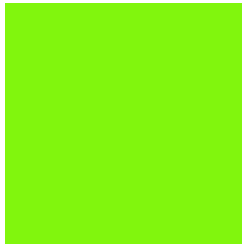


1900603



# Previews

## White Background



This preview shows how the Decimal color 8517133 looks on a white background.

## Color Contrast Check

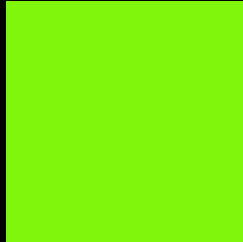
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Decimal color 8517133 looks on a black 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

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



# Decimal 8517133 Background



This preview shows how black text looks on a background with the Decimal color 8517133.



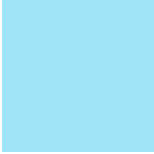
This preview shows how white text looks on a background with the Decimal color 8517133.

# 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](#).

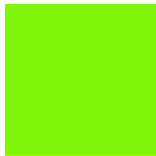
## Dichromacy





**Tritanopia**  
10544631

# Trichromacy



**Original Color**  
8517133



**Protanomaly**  
13362181

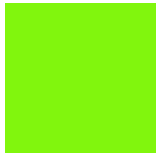


**Deuteranomaly**  
13754206

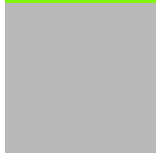


**Tritanomaly**  
9825186

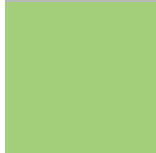
# Monochromacy



**Original Color**  
8517133



**Achromatopsia**  
12105912



**Achromatomaly**  
10801018

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 8517133 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 #81F60D looks like.

```
.text, #text, p{  
    color:#81F60D  
}
```

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 #81F60D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81F60D
}
```

## Border

The CSS property to change the border of an element to Decimal 8517133 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
#81F60D }
```

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

```
.border{ border-color:#81F60D }
```

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

Here you see how a box with a 4 pixel #81F60D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81F60D; -webkit-box-shadow:4px 4px  
4px 4px #81F60D; box-shadow:4px 4px 4px  
4px #81F60D }
```

# Background

The CSS property to change the background color of an element to Decimal 8517133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81F60D }
```

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

```
.background{ background-color:#81F60D }
```

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