

# Converting Colors

Decimal(4646731)

Have a look what the booklet for  
Decimal(4646731) contains.

<b>Decimal(4646731)</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(4646731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46E74B
RGB	70, 231, 75
RGB Percent	27%, 91%, 29%
CMY	0.7255, 0.0941, 0.7059
CMYK	0.70, 0.00, 0.68, 0.09
HSL	122°, 77%, 59%
HSV	122°, 70%, 91%
XYZ	32.3717, 58.9619, 16.3312
YIQ	165.0770, -45.8800, -82.6480

# Conversions

## Conversions Part 2

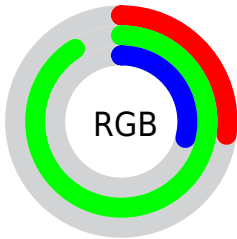
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 226, 231
Decimal	4646731
CIELab	81.27, -70.09, 61.44
CIELCh	81, 93.212, 138.762
Yxy	58.9619, 0.3007, 0.5476
Android (android.graphics.Color)	4282836811 (0xFF46E74B)
YUV	165.0770, -44.4080, -83.3825
Hunter-Lab	76.7867, -59.1247, 41.1407

# Details

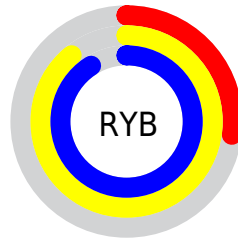
The Decimal color **4646731** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **15156962**, and the grayscale version is **10921638**.

A 20% lighter version of the original color is **9109379**, and **44546** is the 20% darker color. If you saturate the color by 10%, you get **3139381**, and if you desaturate by 10%, it is **6154081**.

# Distribution



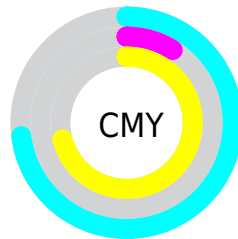
- Red (27%)
- Green (91%)
- Blue (29%)



- Red (27%)
- Yellow (89%)
- Blue (91%)



- Cyan (70%)
- Magenta (0%)
- Yellow (68%)
- Black (9%)



- Cyan (73%)
- Magenta (9%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 4646731 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 4646731 by changing the saturation by 10% instead.



 4646731

 4646731

16777215

 903725

 9109379

 44546

 11206558

 37376

 13238203

 30464

 15269848

 23808

 16777205

 17408

 11008

 2304

 0

 4646731

 4646731


 3139381

 6154081

 1632030

 7661432

 124680

 9168782

 59143

 10676133

 12249019

 13756369

 15263720

 16771070

 16771071

# Harmonies

## Analogous

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



12506624



4646731



61349

# Triad

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



4646731



57087



16740247

# Complementary

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



4646731



15156962

# 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.



16740591



4646731



7979519

# Square

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



4646731



60927



16750591



16749382

# Rectangle

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



4646731



61922



16750591



16738740

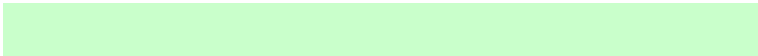


# Sweetspot

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



4646731



13238219



15001414



6324321



0



8421504



# Same Dimension

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



4646731



2752303



4646809



6779752



45830



13058



# Inverse Universe

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



15156962



16722424



15156884



7563122



11731117

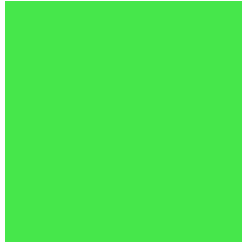


3342385



# Previews

## White Background



This preview shows how the Decimal color 4646731 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 4646731 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

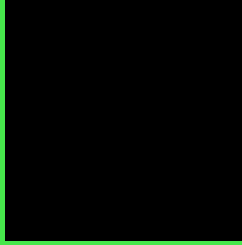
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

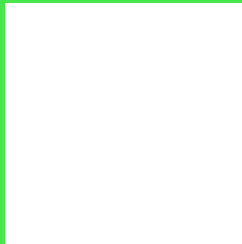
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Decimal 4646731 Background



This preview shows how black text looks on a background with the Decimal color 4646731.

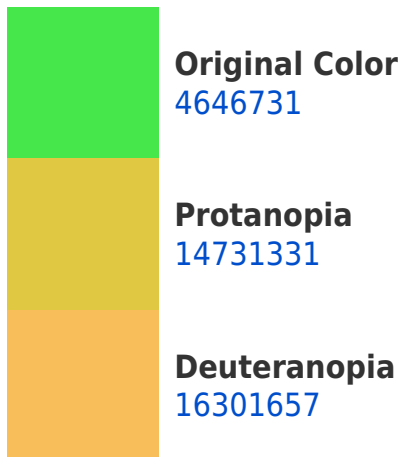


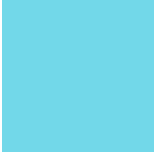
This preview shows how white text looks on a background with the Decimal color 4646731.

# 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**  
7526633

# Trichromacy



**Original Color**  
4646731



**Protanomaly**  
11064134



**Deuteranomaly**  
12045652

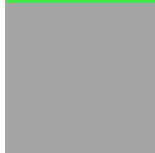


**Tritanomaly**  
6479280

# Monochromacy



**Original Color**  
4646731



**Achromatopsia**  
10855845



**Achromatomaly**  
8568196

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 4646731 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 #46E74B looks like.

```
.text, #text, p{  
    color:#46E74B  
}
```

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 #46E74B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46E74B
}
```

## Border

The CSS property to change the border of an element to Decimal 4646731 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
#46E74B }
```

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

```
.border{ border-color:#46E74B }
```

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

Here you see how a box with a 4 pixel #46E74B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46E74B; -webkit-box-shadow:4px 4px  
4px 4px #46E74B; box-shadow:4px 4px 4px  
4px #46E74B }
```

# Background

The CSS property to change the background color of an element to Decimal 4646731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46E74B }
```

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

```
.background{ background-color:#46E74B }
```

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