

# Converting Colors

Decimal(4648021)

Have a look what the booklet for  
Decimal(4648021) contains.

<b>Decimal(4648021)</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(4648021)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46EC55
RGB	70, 236, 85
RGB Percent	27%, 93%, 33%
CMY	0.7255, 0.0745, 0.6667
CMYK	0.70, 0.00, 0.64, 0.07
HSL	125°, 81%, 60%
HSV	125°, 70%, 93%
XYZ	34.1609, 61.9489, 18.7512
YIQ	169.1520, -50.4650, -82.1530

# Conversions

## Conversions Part 2

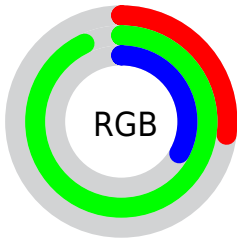
Format	Color
<a href="#">RYB</a>	<a href="#">70, 222, 236</a>
Decimal	<a href="#">4648021</a>
CIELab	<a href="#">82.89, -70.74, 59.22</a>
CIELCh	<a href="#">83, 92.256, 140.064</a>
Yxy	<a href="#">61.9489, 0.2974, 0.5393</a>
Android (android.graphics.Color)	<a href="#">4282838101 (0xFF46EC55)</a>
YUV	<a href="#">169.1520, -41.4869, -86.9563</a>
Hunter-Lab	<a href="#">78.7076, -60.2652, 40.9702</a>

# Details

The Decimal color **4648021** 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 **15484637**, and the grayscale version is **11184810**.

A 20% lighter version of the original color is **9174924**, and **45848** is the 20% darker color. If you saturate the color by 10%, you get **3075136**, and if you desaturate by 10%, it is **6220906**.

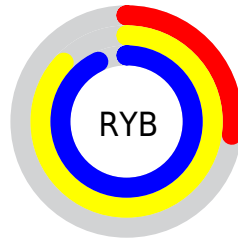
# Distribution



Red (27%)

Green (93%)

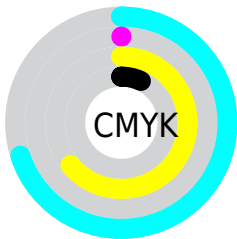
Blue (33%)



Red (27%)

Yellow (87%)

Blue (93%)

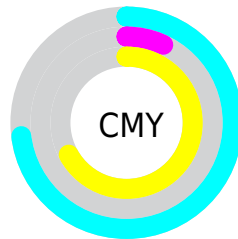


Cyan (70%)

Magenta (0%)

Yellow (64%)

Black (7%)



Cyan (73%)

Magenta (7%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 4648021 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 4648021 by changing the saturation by 10% instead.



 4648021

 4648021

16777215

 708409

 9174924

 45848

 11272104

 38656

 13303748

 31744

 15335393

 24832

 18432

 12032

 4608

 0

 4648021

 4648021

 3075136

 6220906

 1567786

 7728256

 60437

 9301141

 10808491

 12381376

 13954262

 15461611

 16772351

# Harmonies

## Analogous

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



12573696



4648021



62638

# Triad

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



4648021



57855



16742296

# Complementary

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



4648021



15484637

# 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.



16742127



4648021



9159935

# Square

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



4648021



61951



16751615



16751176

# Rectangle

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



4648021



63210



16751615



16740789

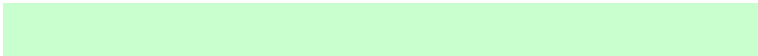


# Sweetspot

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



4648021



13238222



14609478



6324323



0



8421504



# Same Dimension

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



4648021



2752316



4648103



6976875



46352



13829



# Inverse Universe

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



15484637



16722412



15484555



7694964



11862181

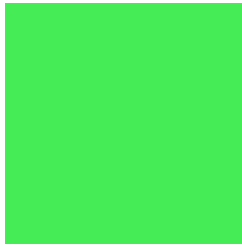


3538993



# Previews

## White Background



This preview shows how the Decimal color 4648021 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 4648021 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 4648021 Background



This preview shows how black text looks on a background with the Decimal color 4648021.

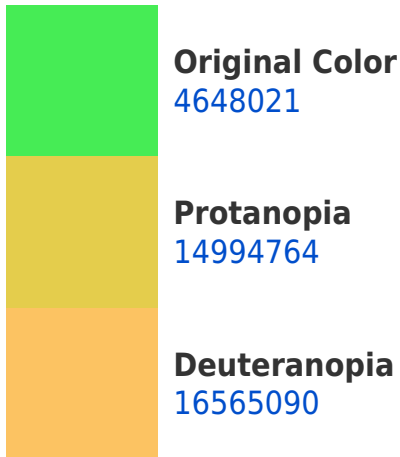


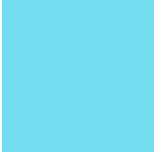
This preview shows how white text looks on a background with the Decimal color 4648021.

# 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**  
7593455

# Trichromacy



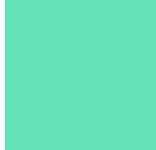
**Original Color**  
4648021



**Protanomaly**  
11262031

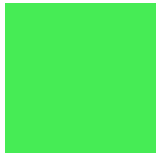


**Deuteranomaly**  
12243549

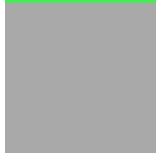


**Tritanomaly**  
6546103

# Monochromacy



**Original Color**  
4648021



**Achromatopsia**  
11119017



**Achromatomaly**  
8765834

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 4648021 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 #46EC55 looks like.

```
.text, #text, p{  
    color:#46EC55  
}
```

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 #46EC55 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46EC55  
}
```

## Border

The CSS property to change the border of an element to Decimal 4648021 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  
#46EC55 }
```

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

```
.border{ border-color:#46EC55 }
```

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

Here you see how a box with a 4 pixel #46EC55 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46EC55; -webkit-box-shadow:4px 4px  
4px 4px #46EC55; box-shadow:4px 4px 4px  
4px #46EC55 }
```

# Background

The CSS property to change the background color of an element to Decimal 4648021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46EC55 }
```

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

```
.background{ background-color:#46EC55 }
```

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