

# Converting Colors

Decimal(5635840)

Have a look what the booklet for  
Decimal(5635840) contains.

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# **Color**

**Decimal(5635840)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 55FF00                        |
| RGB         | 85, 255, 0                    |
| RGB Percent | 33%, 100%, 0%                 |
| CMY         | 0.6667, 0.0000, 1.0000        |
| CMYK        | 0.67, 0.00, 1.00, 0.00        |
| HSL         | 100°, 100%, 50%               |
| HSV         | 100°, 100%, 100%              |
| XYZ         | 39.5063, 73.4513, 12.0953     |
| YIQ         | 175.1000, -19.4650, -115.3450 |

# Conversions

## Conversions Part 2

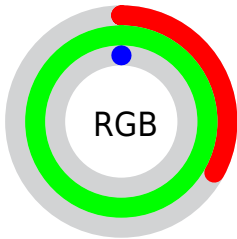
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 0, 255, 170                     |
| Decimal                             | 5635840                         |
| CIELab                              | 88.66, -77.99, 84.31            |
| CIElCh                              | 89, 114.847, 132.768            |
| Yxy                                 | 73.4513, 0.3159,<br>0.5874      |
| Android<br>(android.graphics.Color) | 4283825920<br>(0xFF55FF00)      |
| YUV                                 | 175.1000, -86.3243,<br>-79.0177 |
| Hunter-Lab                          | 85.7037, -67.6995,<br>51.6250   |

# Details

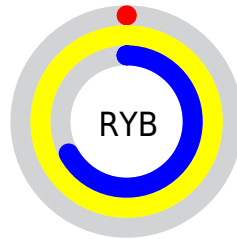
The Decimal color **5635840** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **11141375**, and the grayscale version is **11579568**.

A 20% lighter version of the original color is **10223453**, and **50432** is the 20% darker color. If you saturate the color by 10%, you get **5635840**, and if you desaturate by 10%, it is **6749977**.

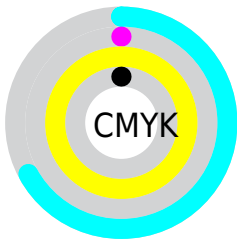
# Distribution



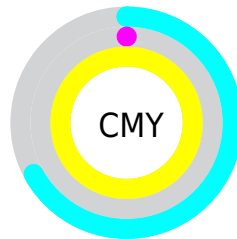
- Red (33%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (67%)



- Cyan (67%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (67%)
- Magenta (0%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 5635840 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 5635840 by changing the saturation by 10% instead.



 5635840

 5635840

16777215

 2351616

 10223453

 50432

 12386171

 43008

 14483353

 36096

 16580535

 29184

 16777173

 22272

 16777203

 16128

 9216

 0

 5635840

 6749977

 7864115

 8978253

 10092390

 11206528

 12320665

 13434803

 14548940

 15663078

# Harmonies

## Analogous

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



14805248



5635840



65433

# Triad

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



5635840



65023



16732597

# Complementary

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



5635840



11141375

# 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.



16738047



5635840



56831

# Square

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



5635840



65535



16754943



16747083

# Rectangle

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



5635840



65510



16754943



16731609

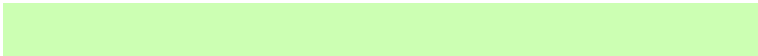


# Sweetspot

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



5635840



13434803



16755200



6389842



0



8421504



# Same Dimension

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



5635840



65322



7831667



4243200



1392640

# Inverse Universe

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



11141375



16711892



8090496



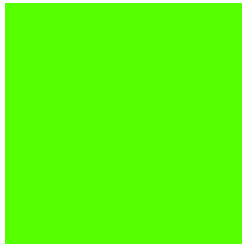
8388799



2818112

# Previews

## White Background



This preview shows how the Decimal color 5635840 looks on a white background.

## Color Contrast Check

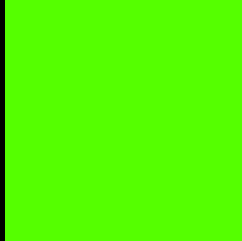
Large Text (above 18pt) WCAG AA × Fail

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 5635840 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

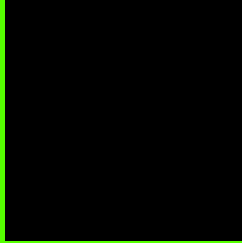
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

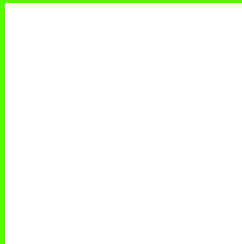
Any Text WCAG AAA ✓ Pass

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

## Decimal 5635840 Background



This preview shows how black text looks on a background with the Decimal color 5635840.



This preview shows how white text looks on a background with the Decimal color 5635840.

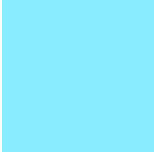
# Color Blindness Simulation

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

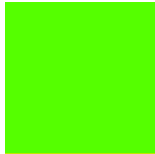






**Tritanopia**  
9039103

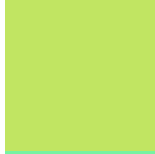
# Trichromacy



**Original Color**  
5635840



**Protanomaly**  
12445952

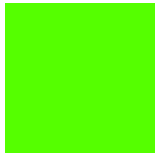


**Deuteranomaly**  
12707170

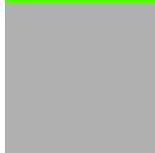


**Tritanomaly**  
7795618

# Monochromacy



**Original Color**  
5635840



**Achromatopsia**  
11513775



**Achromatomaly**  
9358447

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 5635840 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 #55FF00 looks like.

```
.text, #text, p{  
    color:#55FF00  
}
```

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 #55FF00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55FF00
}
```

## Border

The CSS property to change the border of an element to Decimal 5635840 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".

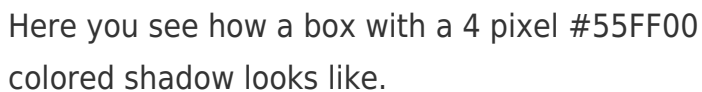
```
.border, #border, table{ border:4px solid
#55FF00 }
```

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

```
.border{ border-color:#55FF00 }
```

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

Here you see how a box with a 4 pixel #55FF00 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55FF00; -webkit-box-shadow:4px 4px  
4px 4px #55FF00; box-shadow:4px 4px 4px  
4px #55FF00 }
```

# Background

The CSS property to change the background color of an element to Decimal 5635840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55FF00 }
```

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

```
.background{ background-color:#55FF00 }
```

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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