

# Converting Colors

Decimal(4636461)

Have a look what the booklet for  
Decimal(4636461) contains.

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# **Color**

**Decimal(4636461)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46BF2D
RGB	70, 191, 45
RGB Percent	27%, 75%, 18%
CMY	0.7255, 0.2510, 0.8235
CMYK	0.63, 0.00, 0.76, 0.25
HSL	110°, 62%, 46%
HSV	110°, 76%, 75%
XYZ	21.6302, 38.7532, 8.8227
YIQ	138.1770, -25.2500, -71.0580

# Conversions

## Conversions Part 2

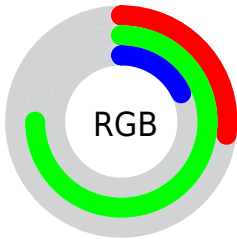
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 191, 166
Decimal	4636461
CIELab	68.57, -59.27, 59.27
CIELCh	69, 83.819, 135.000
Yxy	38.7532, 0.3125, 0.5600
Android (android.graphics.Color)	4282826541 (0xFF46BF2D)
YUV	138.1770, -45.9363, -59.7912
Hunter-Lab	62.2520, -46.9190, 35.1735

# Details

The Decimal color **4636461** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **10890687**, and the grayscale version is **9145227**.

A 20% lighter version of the original color is **8714341**, and **34816** is the 20% darker color. If you saturate the color by 10%, you get **3587866**, and if you desaturate by 10%, it is **5685056**.

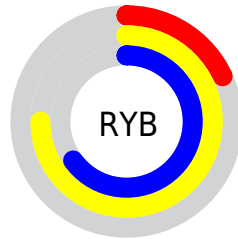
# Distribution



Red (27%)

Green (75%)

Blue (18%)



Red (18%)

Yellow (75%)

Blue (65%)

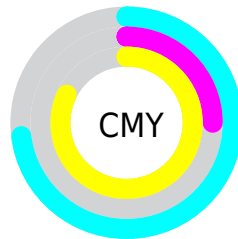


Cyan (63%)

Magenta (0%)

Yellow (76%)

Black (25%)



Cyan (73%)

Magenta (25%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 4636461 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 4636461 by changing the saturation by 10% instead.





4636461



4636461

16777215



2007812



8714341



34816



10682241



28160



12648348



21504



14614457



15360



16580565



9216



16777203



0



4636461



4636461



3587866



5685056

■ 2539271

■ 6733651

■ 2211584

■ 7716710

■ 8765305

■ 9813901

■ 10862496

■ 11911091

■ 12959686

■ 13942745

# Harmonies

## Analogous

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



10858496



4636461



51069

# Triad

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



4636461



48127



16733061

# Complementary

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



4636461



10890687

# 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.



16734929



4636461



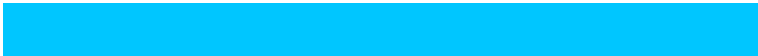
3384319

# Square

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



4636461



50943



14254335



16740925

# Rectangle

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



4636461



51634



14254335



16732318

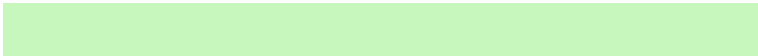


# Sweetspot

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



4636461



13170622



12559405



6323546



16579836



8224125



# Same Dimension

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



4636461



3929876



2998107



5725781



1809920



335616



# Inverse Universe

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



10890687



13636855



12529041



6116702



8585374

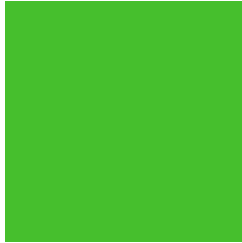


1638431



# Previews

## White Background



This preview shows how the Decimal color 4636461 looks on a white background.

## Color Contrast Check

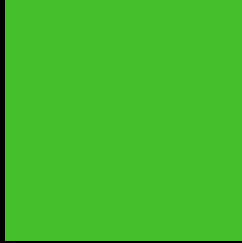
Large Text (above 18pt) WCAG AA × Fail

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 4636461 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 4636461 Background



This preview shows how black text looks on a background with the Decimal color 4636461.



This preview shows how white text looks on a background with the Decimal color 4636461.

# 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**  
4636461

**Protanopia**  
12297767

**Deuteranopia**  
13606459



**Tritanopia**  
6730432

# Trichromacy



**Original Color**

4636461



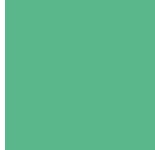
**Protanomaly**

9482025



**Deuteranomaly**

10332726



**Tritanomaly**

5945227

# Monochromacy



**Original Color**

4636461



**Achromatopsia**

9079434



**Achromatomaly**

7445864

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 4636461 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 #46BF2D looks like.

```
.text, #text, p{  
    color:#46BF2D  
}
```

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 #46BF2D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46BF2D  
}
```

## Border

The CSS property to change the border of an element to Decimal 4636461 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  
#46BF2D }
```

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

```
.border{ border-color:#46BF2D }
```

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

Here you see how a box with a 4 pixel #46BF2D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46BF2D; -webkit-box-shadow:4px 4px  
4px 4px #46BF2D; box-shadow:4px 4px 4px  
4px #46BF2D }
```

# Background

The CSS property to change the background color of an element to Decimal 4636461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46BF2D }
```

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

```
.background{ background-color:#46BF2D }
```

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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