

# Converting Colors

Decimal(4678225)

Have a look what the booklet for  
Decimal(4678225) contains.

<b>Decimal(4678225)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Decimal(4678225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	476251
RGB	71, 98, 81
RGB Percent	28%, 38%, 32%
CMY	0.7216, 0.6157, 0.6824
CMYK	0.28, 0.00, 0.17, 0.62
HSL	142°, 16%, 33%
HSV	142°, 28%, 38%
XYZ	8.4514, 10.6690, 9.3985
YIQ	87.9890, -10.6350, -11.0110

# Conversions

## Conversions Part 2

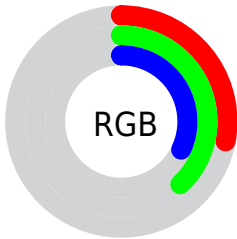
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 91, 98
Decimal	4678225
CIELab	39.02, -13.97, 6.47
CIElCh	39, 15.400, 155.160
Yxy	10.6690, 0.2963, 0.3741
Android (android.graphics.Color)	4282868305 (0xFF476251)
YUV	87.9890, -3.4456, -14.8994
Hunter-Lab	32.6635, -10.9757, 5.8046

# Details

The Decimal color **4678225** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6440792**, and the grayscale version is **5789784**.

A 20% lighter version of the original color is **7902594**, and **1717028** is the 20% darker color. If you saturate the color by 10%, you get **4022859**, and if you desaturate by 10%, it is **5333591**.

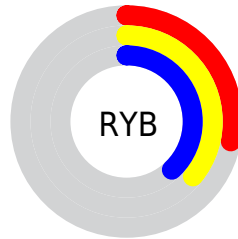
# Distribution



 Red (28%)

 Green (38%)

 Blue (32%)



 Red (28%)

 Yellow (36%)

 Blue (38%)

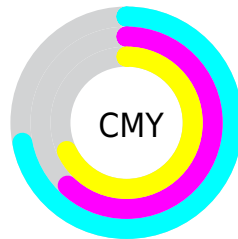


 Cyan (28%)


 Magenta (0%)

 Yellow (17%)

 Black (62%)



 Cyan (72%)

 Magenta (62%)

 Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 4678225 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 4678225 by changing the saturation by 10% instead.





4678225



4678225

16777215



3164730



7902594



1717028



9613212



269840



11389879



0



13166547



15007727



4678225



4678225



4022859



5333591



3367493



5988957

■ 2777662

■ 6578788

■ 2122296

■ 7234154

■ 1466930

■ 7889520

■ 811564

■ 8544886

■ 156198

■ 9200252

■ 25124

■ 9790082

■ 10445449

# Harmonies

## Analogous

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



5594951



4678225



3892062

# Triad

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



4678225



5266549



7689294

# Complementary

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



4678225



6440792

# 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.



7689050



4678225



6379632

# Square

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



4678225



4218994



7230567



7231558

# Rectangle

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



4678225



3695462



7230567



7689042



# Sweetspot

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



4678225



7700601



5792327



3751996



12566463



4210752



# Same Dimension

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



4678225



5603429



4678238



2895917



28714



61529



# Inverse Universe

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



6440792



8410480



6440779



3157039



7340103



15728791



# Previews

## White Background



This preview shows how the Decimal color 4678225 looks on a white background.

## Color Contrast Check

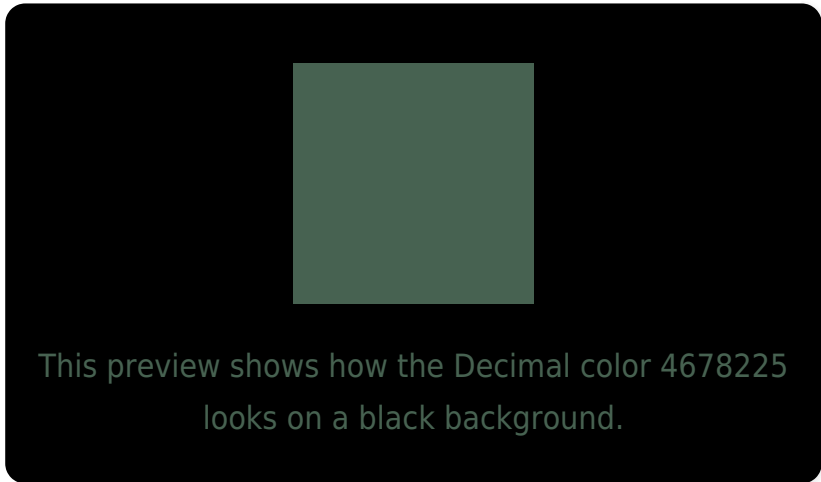
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

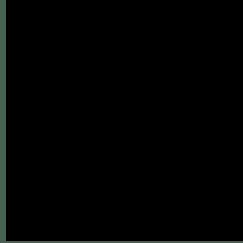
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 4678225 Background



This preview shows how black text looks on a background with the Decimal color 4678225.



This preview shows how white text looks on a background with the Decimal color 4678225.

# 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**

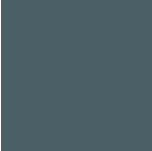
4678225

**Protanopia**

6314830

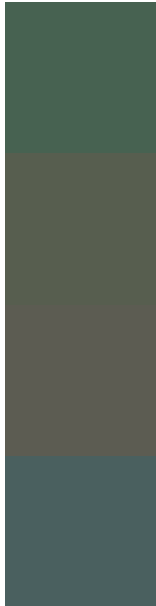
**Deuteranopia**

6838355



**Tritanopia**  
4939623

# Trichromacy



**Original Color**  
4678225

**Protanomaly**  
5725775

**Deuteranomaly**  
6052946

**Tritanomaly**  
4874335

# Monochromacy



**Original Color**  
4678225

**Achromatopsia**  
5789784

**Achromatomaly**  
5397589

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 4678225 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 #476251 looks like.

```
.text, #text, p{  
    color:#476251  
}
```

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 #476251 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #476251
}
```

## Border

The CSS property to change the border of an element to Decimal 4678225 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".

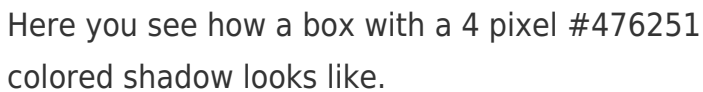
```
.border, #border, table{ border:4px solid
#476251 }
```

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

```
.border{ border-color:#476251 }
```

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

Here you see how a box with a 4 pixel #476251 colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The box is white with a thin dark green border on the top and left sides, and a thicker dark green shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #476251; -webkit-box-shadow:4px 4px  
4px 4px #476251; box-shadow:4px 4px 4px  
4px #476251 }
```

# Background

The CSS property to change the background color of an element to Decimal 4678225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#476251 }
```

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

```
.background{ background-color:#476251 }
```

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