

# Converting Colors

Decimal(16768555)

Have a look what the booklet for  
Decimal(16768555) contains.

<b>Decimal(16768555)</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(16768555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDE2B
RGB	255, 222, 43
RGB Percent	100%, 87%, 17%
CMY	0.0000, 0.1294, 0.8314
CMYK	0.00, 0.13, 0.83, 0.00
HSL	51°, 100%, 58%
HSV	51°, 83%, 100%
XYZ	67.7973, 73.6770, 12.9333
YIQ	211.4610, 77.1270, -48.6730

# Conversions

## Conversions Part 2

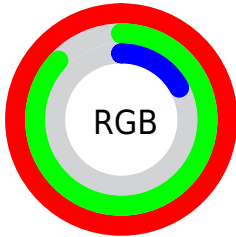
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	82, 255, 43
Decimal	16768555
CIE <sub>Lab</sub>	88.77, -4.85, 82.32
CIE <sub>LCh</sub>	89, 82.466, 93.369
Yxy	73.6770, 0.4391, 0.4772
Android (android.graphics.Color)	4294958635 (0xFFFFDE2B)
YUV	211.4610, -83.0513, 38.1837
Hunter-Lab	85.8353, -9.2229, 51.1512

# Details

The Decimal color **16768555** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **2837759**, and the grayscale version is **13948116**.

A 20% lighter version of the original color is **16777067**, and **12756736** is the 20% darker color. If you saturate the color by 10%, you get **16767506**, and if you desaturate by 10%, it is **16769605**.

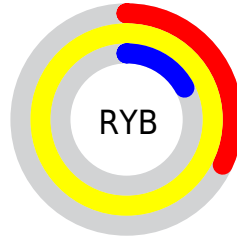
# Distribution



Red (100%)

Green (87%)

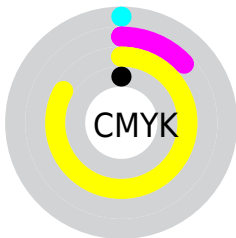
Blue (17%)



Red (32%)

Yellow (100%)

Blue (17%)

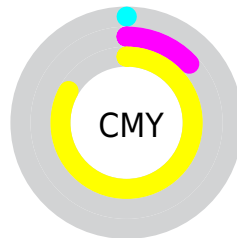


Cyan (0%)

Magenta (13%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (13%)

















Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 16768555 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 16768555 by changing the saturation by 10% instead.



 16768555	 16768555
16777215	 14729728
 16777067	 12756736
 16777096	 10784000
 16777125	 8877056
 16777154	 6970368
 16777184	 5129472
16777214	 3419904
	 1776128
	 0

■ 16768555

■ 16768555

■ 16767506

■ 16769605

■ 16766720

■ 16770654

■ 16771704

■ 16772753

■ 16773803

■ 16774852

■ 16775902

■ 16776951

16777215

# Harmonies

## Analogous

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



16760909



16768555



11465551

# Triad

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



16768555



65535



16753919

# Complementary

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



16768555



2837759

# 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.



15517439



16768555



63999

# Square

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



16768555



65510



58879



16749529

# Rectangle

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



16768555



6552700



58879



16756735



# Sweetspot

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



16768555



16774591



16722766



8419929



0



8421504



# Same Dimension

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



16768555



16766720



12123947



8420979



12558592



4208128



# Inverse Universe

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



2837759



10495



7482367



7566720



7871



2624



# Previews

## White Background



This preview shows how the Decimal color 16768555 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 16768555 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 16768555 Background



This preview shows how black text looks on a background with the Decimal color 16768555.

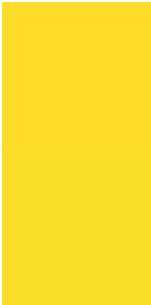


This preview shows how white text looks on a background with the Decimal color 16768555.

# 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](#).

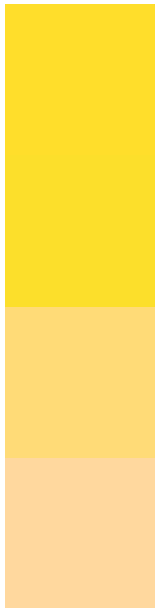
## Dichromacy

	<b>Original Color</b> 16768555
	<b>Protanopia</b> 16506667
	<b>Deuteranopia</b> 16767394



**Tritanopia**  
16766175

# Trichromacy



**Original Color**  
16768555

**Protanomaly**  
16572203

**Deuteranomaly**  
16767863

**Tritanomaly**  
16767134

# Monochromacy



**Original Color**  
16768555

**Achromatopsia**  
13882323

**Achromatomaly**  
14931862

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 16768555 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 #FFDE2B looks like.

```
.text, #text, p{  
  color:#FFDE2B  
}
```

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 #FFDE2B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FFDE2B
}
```

## Border

The CSS property to change the border of an element to Decimal 16768555 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
#FFDE2B }
```

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

```
.border{ border-color:#FFDE2B }
```

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

Here you see how a box with a 4 pixel #FFDE2B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FFDE2B; -webkit-box-shadow:4px 4px  
4px 4px #FFDE2B; box-shadow:4px 4px 4px  
4px #FFDE2B }
```

# Background

The CSS property to change the background color of an element to Decimal 16768555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FFDE2B }
```

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

```
.background{ background-color:#FFDE2B }
```

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