

# Converting Colors

CIELCh(67, 13.165, 101.349)

Have a look what the booklet for  
CIELCh(67, 13.165, 101.349)  
contains.

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**Color**

**CIELCh(67, 13.266, 101.837)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A8A48C
RGB	168, 164, 140
RGB Percent	66%, 64%, 55%
CMY	0.3423, 0.3579, 0.4520
CMYK	0.00, 0.02, 0.17, 0.34
HSL	51°, 14%, 60%
HSV	51°, 17%, 66%
XYZ	34.0291, 36.6320, 29.9846
YIQ	162.4600, 10.0880, -6.6160

# Conversions

## Conversions Part 2

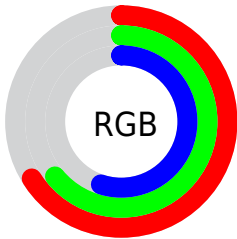
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 168, 140
Decimal	11052172
CIELab	67.00, -2.72, 12.98
CIELCh	67, 13.266, 101.837
Yxy	36.6320, 0.3381, 0.3640
Android (android.graphics.Color)	4289242252 (0xFFA8A48C)
YUV	162.4600, -11.0728, 4.8586
Hunter-Lab	60.5244, -5.5581, 12.9940

# Details

The CIELCh color  $67, 13.266, 101.837$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $60, 13.601, 285.633$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $87, 13.092, 102.473$ , and  $47, 13.038, 100.675$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 21.225, 100.742$ , and if you desaturate by 10%, it is  $68, 5.303, 102.913$ .

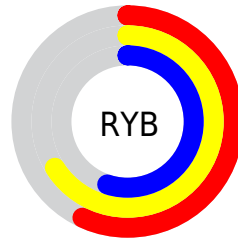
# Distribution



Red (66%)

Green (64%)

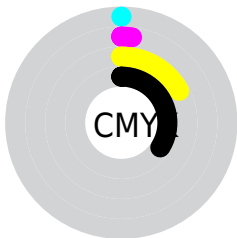
Blue (55%)



Red (57%)

Yellow (66%)

Blue (55%)

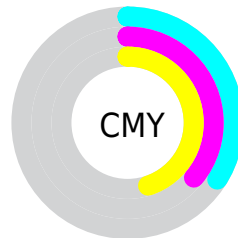


Cyan (0%)

Magenta (2%)

Yellow (17%)

Black (34%)



Cyan (34%)

Magenta (36%)


Yellow (45%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 13.266, 101.837 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 CIELCh color 67, 13.266, 101.837 by changing the saturation by 10% instead.





 67, 13.266,  
101.837


 67, 13.266,  
101.837


 100, 13.266,  
101.837


 57, 13.266,  
101.837


 87, 13.266,  
101.837

 47, 13.266,  
101.837

 97, 13.266,  
101.837

 37, 13.266,  
101.837

 27, 13.266,  
101.837

 17, 13.266,  
101.837

 7, 13.266, 101.837

 0, 13.266, 101.837

67, 13.266,  
101.837

67, 13.266,  
101.837

66, 21.225,  
100.742

68, 5.303, 102.913

69, 2.632, 284.026

65, 29.119, 99.624

70, 10.521,  
285.008

64, 36.848, 98.500

71, 18.350,  
285.975

63, 44.249, 97.384

62, 51.057, 96.286

73, 26.114,  
286.902

62, 56.878, 95.211

74, 33.811,  
287.784

61, 61.204, 94.157

60, 63.668, 93.101

75, 40.301,  
288.343

60, 64.338, 92.755

76, 38.997,  
286.931

■ 76, 37.717,  
285.429

# Harmonies

# Complementary

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



67, 13.266, 101.837



60, 13.601, 285.633

# Rectangle

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



67, 13.266, 101.837



67, 13.266, 151.837



67, 13.266, 281.837



67, 13.266, 331.837

# Sweetspot

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



67, 13.267, 101.844



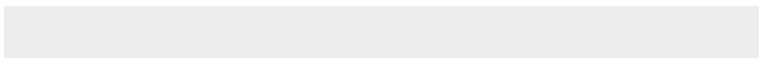
87, 4.928, 103.076



61, 11.388, 8.665



46, 3.358, 103.008



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



67, 13.267, 101.844



85, 19.785, 101.441



67, 15.836, 122.796



35, 4.505, 102.640



53, 58.710, 92.871



5, 7.815, 100.931



# Inverse Universe

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



60, 13.601, 285.633



75, 20.399, 286.143



60, 16.309, 304.600



33, 4.572, 284.696



19, 81.322, 303.689



1, 8.413, 284.673



# Previews

## White Background



This preview shows how the CIELCh color 67, 13.266, 101.837 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 CIELCh color 67, 13.266, 101.837 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

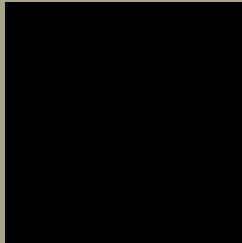
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

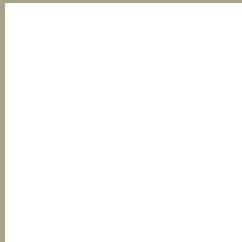
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 67, 13.266, 101.837**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 13.266, 101.837.



This preview shows how white text looks on a background with the CIELCh color 67, 13.266, 101.837.

# 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

67, 13.266, 101.837


### Protanopia

67, 13.570, 95.017

### Deuteranopia

67, 15.168, 55.476





**Tritanopia**  
67, 8.732, 324.823

# Trichromacy



**Original Color**  
67, 13.266, 101.837

**Protanomaly**  
67, 13.479, 96.694

**Deuteranomaly**  
67, 13.115, 68.615

**Tritanomaly**  
67, 3.505, 28.607

# Monochromacy



**Original Color**  
67, 13.266, 101.837

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 4.964, 105.167

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 13.266, 101.837 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 `rgb(168, 164, 140)` looks like.

```
.text, #text, p{  
    color:rgb(168, 164, 140)  
}
```

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 rgb(168, 164, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 164, 140) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 13.266, 101.837 is called "border". The border property can be set on classes, ids or directly on the HTML element.

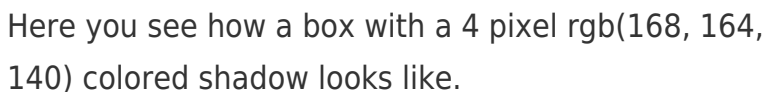
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 164, 140) }
```

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

```
.border{ border-color:rgb(168, 164, 140) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 164, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 164, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 164, 140); box-shadow:4px 4px 4px 4px rgb(168, 164, 140) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 13.266, 101.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 164, 140) }
```

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

```
.background{ background-color: rgb(168,  
164, 140) }
```

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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