

# Converting Colors

CIELCh(67, 27.257, 348.018)

Have a look what the booklet for  
CIELCh(67, 27.257, 348.018)  
contains.

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**Color**

**CIELCh(67, 27.105, 347.770)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD92AE
RGB	205, 146, 174
RGB Percent	80%, 57%, 68%
CMY	0.1958, 0.4271, 0.3173
CMYK	0.00, 0.29, 0.15, 0.20
HSL	332°, 37%, 69%
HSV	332°, 29%, 80%
XYZ	43.1385, 36.6320, 44.8823
YIQ	166.8330, 26.1760, 21.2160

# Conversions

## Conversions Part 2

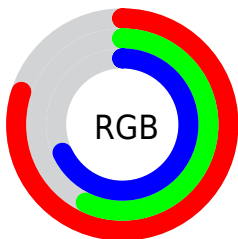
Format	Color
R <sub>Y</sub> B	205, 146, 174
Decimal	13472430
CIE Lab	67.00, 26.49, -5.74
CIE LCh	67, 27.105, 347.770
Yxy	36.6320, 0.3461, 0.2939
Android (android.graphics.Color)	4291662510 (0xFFCD92AE)
YUV	166.8330, 3.5333, 33.4725
Hunter-Lab	60.5244, 21.3075, -1.5999

# Details

The CIELCh color  $67, 27.105, 347.770$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $78, 26.034, 162.361$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 24.946, 344.077$ , and  $47, 27.068, 347.638$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 36.578, 348.987$ , and if you desaturate by 10%, it is  $72, 17.546, 346.706$ .

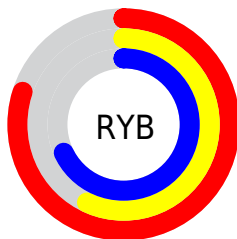
# Distribution



Red (80%)

Green (57%)

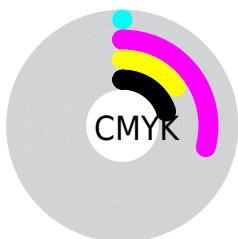
Blue (68%)



Red (80%)

Yellow (57%)

Blue (68%)

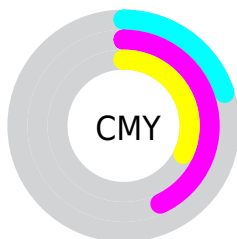


Cyan (0%)

Magenta (29%)

Yellow (15%)

Black (20%)



Cyan (20%)

Magenta (43%)


Yellow (32%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 27.105, 347.770 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, 27.105, 347.770 by changing the saturation by 10% instead.




 67, 27.105,  
347.770


 67, 27.105,  
347.770


 100, 27.105,  
347.770

 57, 27.105,  
347.770


 87, 27.105,  
347.770

 47, 27.105,  
347.770

 97, 27.105,  
347.770

 37, 27.105,  
347.770

 27, 27.105,  
347.770

 17, 27.105,  
347.770

 7, 27.105, 347.770

 0, 27.105, 347.770

67, 27.105,  
347.770

67, 27.105,  
347.770

62, 36.578,  
348.987

72, 17.546,  
346.706

57, 45.680,  
350.408

78, 8.102, 345.740

83, 1.113, 165.328

53, 54.011,  
352.110

89, 10.038,  
164.224

50, 61.093,  
354.203

94, 18.648,  
163.504

47, 66.463,  
356.830

96, 19.112,  
172.343

45, 69.846, 0.160

97, 17.009,  
188.820

44, 71.496, 4.269

44, 71.682, 4.793

97, 16.536,  
198.408



# Harmonies

# Complementary

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



67, 27.105, 347.770



78, 26.034, 162.361

# Rectangle

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



67, 27.105, 347.770



67, 27.105, 37.770



67, 27.105, 167.770



67, 27.105, 217.770

# Sweetspot

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



67, 27.102, 347.772



94, 9.928, 345.772



65, 34.586, 311.011



49, 6.912, 345.912



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



67, 27.102, 347.772



78, 39.421, 348.564



66, 23.623, 22.986



40, 5.223, 345.799



35, 61.225, 4.031



4, 19.676, 355.106



# Inverse Universe

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



67, 27.102, 347.772



78, 39.421, 348.564



78, 19.396, 199.576



40, 5.223, 345.799



35, 61.225, 4.031



4, 19.676, 355.106



# Previews

## White Background



This preview shows how the CIELCh color 67, 27.105, 347.770 looks on a white background.

## Color Contrast Check

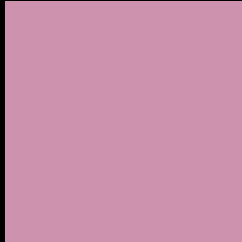
Large Text (above 18pt) WCAG AA × Fail

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, 27.105, 347.770 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, 27.105, 347.770

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 27.105, 347.770.



This preview shows how white text looks on a background with the CIELCh color 67, 27.105, 347.770.

# 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, 27.105, 347.770

**Protanopia**  
67, 12.168, 288.058

**Deuteranopia**  
67, 9.415, 330.620





**Tritanopia**  
67, 22.032, 5.825

# Trichromacy



**Original Color**  
67, 27.105, 347.770

**Protanomaly**  
67, 15.267, 320.385

**Deuteranomaly**  
67, 16.044, 340.241

**Tritanomaly**  
67, 23.609, 358.666

# Monochromacy



**Original Color**  
67, 27.105, 347.770

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 10.358, 344.632

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 27.105, 347.770 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(205, 146, 174)` looks like.

```
.text, #text, p{  
    color:rgb(205, 146, 174)  
}
```

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(205, 146, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 146, 174) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 27.105, 347.770 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(205, 146, 174) }
```

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

```
.border{ border-color:rgb(205, 146, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 146, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 146, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 146, 174);  
box-shadow:4px 4px 4px 4px rgb(205, 146,  
174) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 27.105, 347.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 146, 174) }
```

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

```
.background{ background-color: rgb(205,  
146, 174) }
```

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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