

# Converting Colors

CIELCh(67, 47.016, 322.986)

Have a look what the booklet for  
CIELCh(67, 47.016, 322.986)  
contains.

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**Color**

**CIELCh(67, 46.520, 323.127)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE8CD6
RGB	206, 140, 214
RGB Percent	81%, 55%, 84%
CMY	0.1930, 0.4518, 0.1616
CMYK	0.04, 0.35, 0.00, 0.16
HSL	294°, 47%, 69%
HSV	294°, 35%, 84%
XYZ	46.8523, 36.6320, 68.0756
YIQ	168.1700, 15.5820, 37.0060

# Conversions

## Conversions Part 2

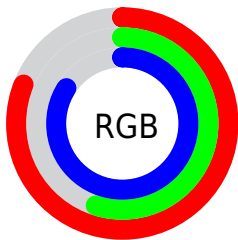
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 140, 214
Decimal	13536470
CIE Lab	67.00, 37.21, -27.91
CIE LCh	67, 46.520, 323.127
Yxy	36.6320, 0.3091, 0.2417
Android (android.graphics.Color)	4291726550 (0xFFCE8CD6)
YUV	168.1700, 22.5942, 33.1769
Hunter-Lab	60.5244, 32.2604, -24.3202

# Details

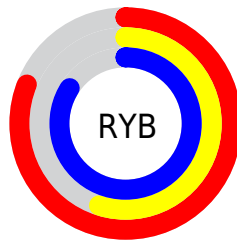
The CIELCh color  $67, 46.520, 323.127$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $80, 46.193, 139.351$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $86, 37.631, 325.731$ , and  $47, 46.796, 323.380$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 59.478, 323.553$ , and if you desaturate by 10%, it is  $72, 33.112, 322.662$ .

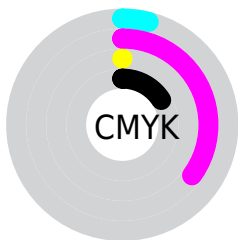
# Distribution



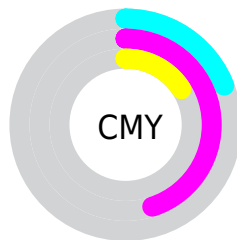
- Red (81%)
- Green (55%)
- Blue (84%)



- Red (81%)
- Yellow (55%)
- Blue (84%)



- Cyan (4%)
- Magenta (35%)
- Yellow (0%)
- Black (16%)




- Cyan (19%)
- Magenta (45%)
- Yellow (16%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 46.520, 323.127 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, 46.520, 323.127 by changing the saturation by 10% instead.





 67, 46.520,  
323.127

 67, 46.520,  
323.127


 100, 46.520,  
323.127


 57, 46.520,  
323.127


 87, 46.520,  
323.127

 47, 46.520,  
323.127

 97, 46.520,  
323.127

 37, 46.520,  
323.127

 27, 46.520,  
323.127

 17, 46.520,  
323.127

 7, 46.520, 323.127

 0, 46.520, 323.127

67, 46.520,  
323.127

67, 46.520,  
323.127

62, 59.478,  
323.553

72, 33.112,  
322.662

58, 71.565,  
323.915

77, 19.578,  
322.176

54, 82.246,  
324.185

83, 6.132, 321.666

51, 90.953,  
324.330

89, 7.085, 141.267

94, 19.990,  
140.789

49, 97.202,  
324.325


97, 24.637,  
139.671

47, 100.785,  
324.152

97, 24.208,  
138.073

47, 101.944,  
324.010

97, 23.798,  
136.409

 97, 23.407,  
134.677

# Harmonies

# Complementary

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



67, 46.520, 323.127



80, 46.193, 139.351

# Rectangle

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



67, 46.520, 323.127



67, 46.520, 13.127



67, 46.520, 143.127



67, 46.520, 193.127

# Sweetspot

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



67, 46.518, 323.127



94, 15.419, 321.952



63, 36.572, 289.777



49, 10.530, 322.023



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, 46.518, 323.127



75, 64.774, 323.465



67, 36.846, 340.713



42, 7.593, 321.918



37, 86.245, 324.073



5, 32.243, 324.172



# Inverse Universe

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



66, 30.140, 14.298



73, 43.017, 15.639



80, 36.079, 154.792



42, 4.587, 11.216



35, 72.867, 35.143

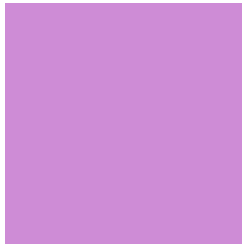


5, 21.970, 14.945



# Previews

## White Background



This preview shows how the CIELCh color 67, 46.520, 323.127 looks on a white background.

## Color Contrast Check

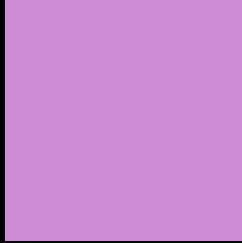
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 67, 46.520, 323.127 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

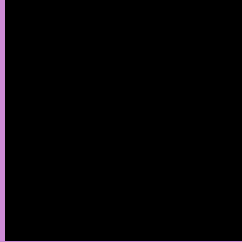
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 67, 46.520, 323.127

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 46.520, 323.127.

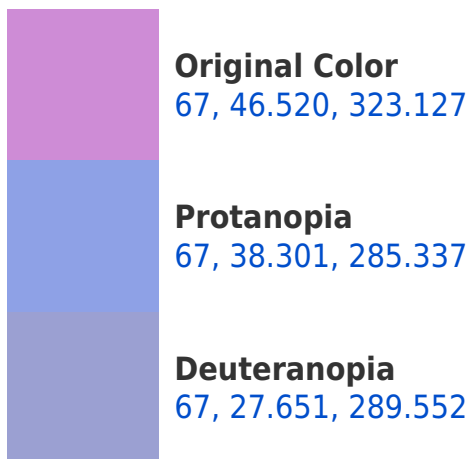


This preview shows how white text looks on a background with the CIELCh color 67, 46.520, 323.127.

# 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







**Tritanopia**  
67, 20.217, 2.498

# Trichromacy



**Original Color**  
67, 46.520, 323.127



**Protanomaly**  
67, 39.618, 299.646



**Deuteranomaly**  
67, 32.959, 305.166



**Tritanomaly**  
67, 28.101, 339.090

# Monochromacy



**Original Color**  
67, 46.520, 323.127



**Achromatopsia**  
69, 0.009, 296.813



**Achromatomaly**  
68, 17.375, 322.082

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 46.520, 323.127 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(206, 140, 214)` looks like.

```
.text, #text, p{  
    color:rgb(206, 140, 214)  
}
```

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(206, 140, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 140, 214) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 46.520, 323.127 is called "border". The border property can be set on classes, ids or directly on the HTML element.

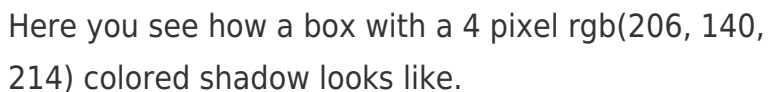
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 140, 214) }
```

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

```
.border{ border-color:rgb(206, 140, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 140, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 140, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 140, 214); box-shadow:4px 4px 4px 4px rgb(206, 140, 214) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 46.520, 323.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 140, 214) }
```

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

```
.background{ background-color: rgb(206,  
140, 214) }
```

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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