

# Converting Colors

CIELCh(67, 51.024, 321.062)

Have a look what the booklet for  
CIELCh(67, 51.024, 321.062)  
contains.

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**Color**

**CIELCh(67, 50.984, 321.056)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE8ADD
RGB	206, 138, 221
RGB Percent	81%, 54%, 87%
CMY	0.1912, 0.4579, 0.1324
CMYK	0.07, 0.38, 0.00, 0.13
HSL	289°, 55%, 70%
HSV	289°, 38%, 87%
XYZ	47.7256, 36.6320, 73.1308
YIQ	167.7940, 13.8850, 40.2290

# Conversions

## Conversions Part 2

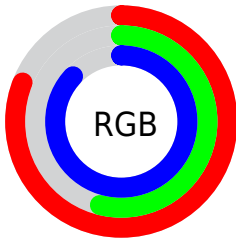
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 138, 221
Decimal	13535965
CIE Lab	67.00, 39.65, -32.05
CIE LCh	67, 50.984, 321.056
Yxy	36.6320, 0.3030, 0.2326
Android (android.graphics.Color)	4291726045 (0xFFCE8ADD)
YUV	167.7940, 26.2306, 33.5067
Hunter-Lab	60.5244, 34.8359, -29.2723

# Details

The CIELCh color  $67, 50.984, 321.056$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $82, 50.258, 137.256$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $85, 38.882, 325.774$ , and  $47, 51.314, 320.835$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 64.100, 321.443$ , and if you desaturate by 10%, it is  $72, 37.408, 320.623$ .

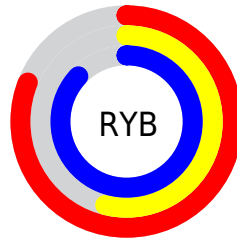
# Distribution



Red (81%)

Green (54%)

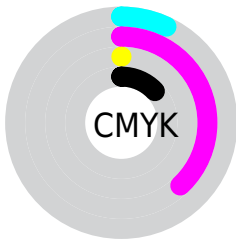
Blue (87%)



Red (81%)

Yellow (54%)

Blue (87%)

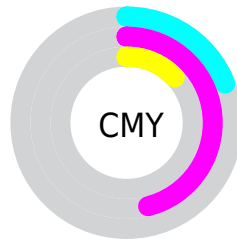


Cyan (7%)

Magenta (38%)

Yellow (0%)

Black (13%)



Cyan (19%)

Magenta (46%)


Yellow (13%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 50.984, 321.056 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, 50.984, 321.056 by changing the saturation by 10% instead.




 67, 50.984,  
321.056


 67, 50.984,  
321.056


 100, 50.984,  
321.056


 57, 50.984,  
321.056


 87, 50.984,  
321.056

 47, 50.984,  
321.056

 97, 50.984,  
321.056

 37, 50.984,  
321.056

 27, 50.984,  
321.056

 17, 50.984,  
321.056

 7, 50.984, 321.056

 0, 50.984, 321.056

67, 50.984,  
321.056

67, 50.984,  
321.056

62, 64.100,  
321.443

72, 37.408,  
320.623

57, 76.310,  
321.751

78, 23.707,  
320.168

53, 87.041,  
321.943

84, 10.098,  
319.700

50, 95.670,  
321.976

90, 3.280, 139.349

48, 101.676,  
321.808

96, 16.346,  
138.868

46, 104.927,  
321.423

97, 19.406,  
136.206

46, 105.532,  
321.313

98, 18.766,  
132.432

98, 18.213,  
128.372

■ 98, 17.758,  
124.045

# Harmonies

# Complementary

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



67, 50.984, 321.056



82, 50.258, 137.256

# Rectangle

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



67, 50.984, 321.056



67, 50.984, 11.056



67, 50.984, 141.056



67, 50.984, 191.056

# Sweetspot

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



67, 50.982, 321.056



93, 16.622, 319.869



65, 37.843, 286.991



49, 11.181, 319.933



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, 50.982, 321.056



72, 68.266, 321.364



68, 42.847, 337.830



43, 7.580, 319.791



36, 87.947, 321.419



5, 33.672, 321.816



# Inverse Universe

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



66, 33.952, 9.254



71, 46.265, 10.716



82, 42.289, 151.703



43, 4.764, 5.541



36, 70.314, 30.598

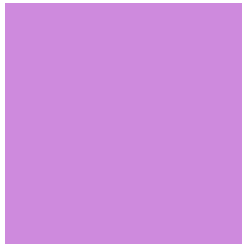


5, 23.731, 12.459



# Previews

## White Background



This preview shows how the CIELCh color 67, 50.984, 321.056 looks on a white background.

## Color Contrast Check

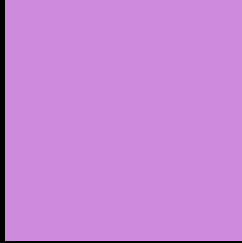
Large Text (above 18pt) WCAG AA × Fail

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, 50.984, 321.056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

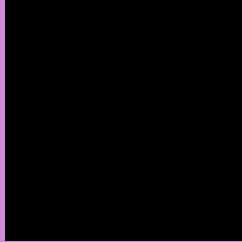
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 67, 50.984, 321.056**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 50.984, 321.056.

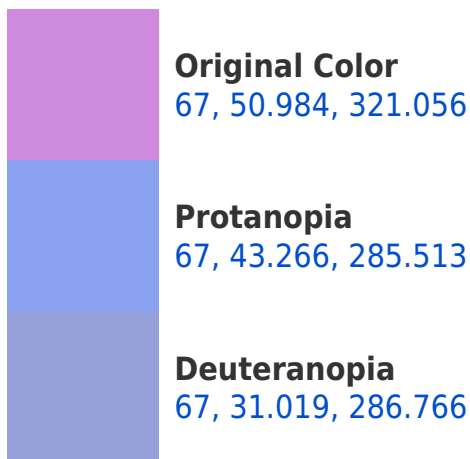


This preview shows how white text looks on a background with the CIELCh color 67, 50.984, 321.056.

# 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, 19.308, 3.181

# Trichromacy



**Original Color**  
67, 50.984, 321.056



**Protanomaly**  
67, 44.463, 298.539



**Deuteranomaly**  
67, 37.094, 302.434



**Tritanomaly**  
67, 29.164, 336.629

# Monochromacy



**Original Color**  
67, 50.984, 321.056



**Achromatopsia**  
69, 0.009, 296.813



**Achromatomaly**  
68, 18.986, 320.512

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 50.984, 321.056 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, 138, 221)` looks like.

```
.text, #text, p{  
    color:rgb(206, 138, 221)  
}
```

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, 138, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 138, 221) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 50.984, 321.056 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, 138, 221) }
```

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

```
.border{ border-color:rgb(206, 138, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 138, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 138, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 138, 221);  
box-shadow:4px 4px 4px 4px rgb(206, 138,  
221) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 50.984, 321.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 138, 221) }
```

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

```
.background{ background-color: rgb(206,  
138, 221) }
```

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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