

# Converting Colors

CIELCh(67, 57.250, 324.153)

Have a look what the booklet for  
CIELCh(67, 57.250, 324.153)  
contains.

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**Color**

**CIELCh(67, 57.341, 324.051)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D884E0
RGB	216, 132, 224
RGB Percent	85%, 52%, 88%
CMY	0.1517, 0.4812, 0.1203
CMYK	0.04, 0.41, 0.00, 0.12
HSL	295°, 60%, 70%
HSV	295°, 41%, 88%
XYZ	50.2051, 36.6320, 75.1742
YIQ	167.6040, 20.5320, 46.4200

# Conversions

## Conversions Part 2

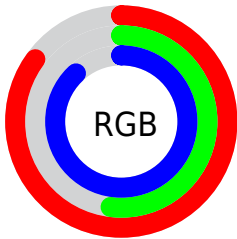
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 132, 224
Decimal	14189792
CIE Lab	67.00, 46.42, -33.66
CIE LCh	67, 57.341, 324.051
Yxy	36.6320, 0.3099, 0.2261
Android (android.graphics.Color)	4292379872 (0xFFD884E0)
YUV	167.6040, 27.8032, 42.4433
Hunter-Lab	60.5244, 42.1486, -31.2740

# Details

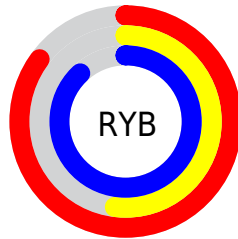
The CIELCh color  $67, 57.341, 324.051$  is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be  $82, 57.047, 139.340$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $84, 42.626, 325.902$ , and  $47, 56.840, 323.992$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 70.263, 324.451$ , and if you desaturate by 10%, it is  $72, 43.631, 323.598$ .

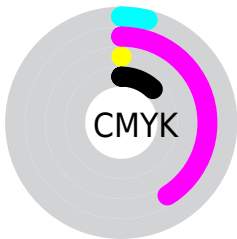
# Distribution



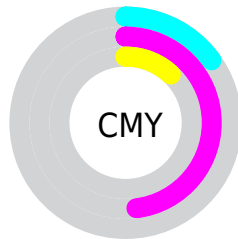
- Red (85%)
- Green (52%)
- Blue (88%)



- Red (85%)
- Yellow (52%)
- Blue (88%)



- Cyan (4%)
- Magenta (41%)
- Yellow (0%)
- Black (12%)




- Cyan (15%)
- Magenta (48%)
- Yellow (12%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 57.341, 324.051 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, 57.341, 324.051 by changing the saturation by 10% instead.





 67, 57.341,  
324.051


 67, 57.341,  
324.051


 100, 57.341,  
324.051


 57, 57.341,  
324.051


 87, 57.341,  
324.051

 47, 57.341,  
324.051

 97, 57.341,  
324.051

 37, 57.341,  
324.051

 27, 57.341,  
324.051

 17, 57.341,  
324.051

 7, 57.341, 324.051

 0, 57.341, 324.051

67, 57.341,  
324.051

67, 57.341,  
324.051

62, 70.263,  
324.451

72, 43.631,  
323.598

58, 81.878,  
324.770

77, 29.558,  
323.112

55, 91.595,  
324.982

83, 15.420,  
322.609

52, 98.880,  
325.061

89, 1.423, 321.950

51, 103.422,  
324.989

95, 12.303,  
141.672

50, 105.487,  
324.811

97, 18.432,  
140.520

98, 18.069,  
138.716

98, 17.724,  
136.830

■ 98, 17.398,  
134.862

# Harmonies

# Complementary

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



67, 57.341, 324.051



82, 57.047, 139.340

# Rectangle

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



67, 57.341, 324.051



67, 57.341, 14.051



67, 57.341, 144.051



67, 57.341, 194.051

# Sweetspot

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



67, 57.339, 324.051



92, 18.644, 322.663



61, 46.552, 291.763



48, 12.377, 322.730



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, 57.339, 324.051



71, 75.114, 324.389



67, 44.746, 342.222



44, 7.939, 322.528



39, 87.970, 324.864



7, 35.820, 325.304



# Inverse Universe

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



65, 37.825, 17.013



69, 51.081, 18.681



83, 43.611, 154.765



44, 4.751, 12.917



36, 75.512, 36.336

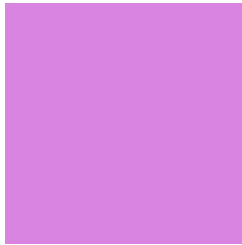


6, 25.365, 17.278



# Previews

## White Background



This preview shows how the CIELCh color 67, 57.341, 324.051 looks on a white background.

## Color Contrast Check

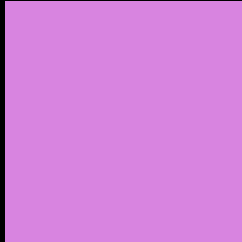
Large Text (above 18pt) WCAG AA × Fail

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, 57.341, 324.051 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

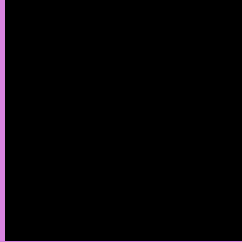
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 67, 57.341, 324.051

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 57.341, 324.051.

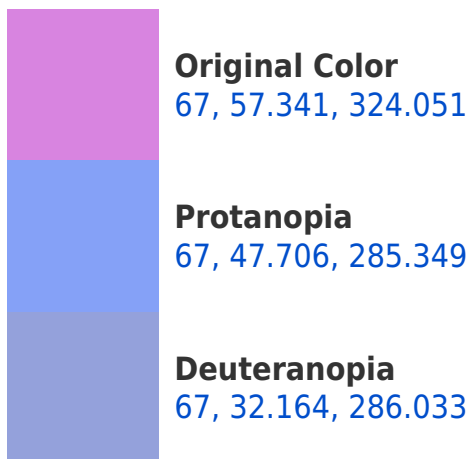


This preview shows how white text looks on a background with the CIELCh color 67, 57.341, 324.051.

# 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, 24.416, 7.699

# Trichromacy



**Original Color**  
67, 57.341, 324.051



**Protanomaly**  
67, 48.942, 299.224



**Deuteranomaly**  
67, 39.580, 304.461



**Tritanomaly**  
67, 33.379, 341.920

# Monochromacy



**Original Color**  
67, 57.341, 324.051



**Achromatopsia**  
69, 0.009, 296.813



**Achromatomaly**  
68, 21.515, 323.683

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 57.341, 324.051 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(216, 132, 224)` looks like.

```
.text, #text, p{  
    color:rgb(216, 132, 224)  
}
```

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(216, 132, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 132, 224) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 57.341, 324.051 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(216, 132, 224) }
```

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

```
.border{ border-color:rgb(216, 132, 224) }
```

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

Here you see how a box with a 4 pixel rgb(216, 132, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 132, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 132, 224);  
box-shadow:4px 4px 4px 4px rgb(216, 132,  
224) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 57.341, 324.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 132, 224) }
```

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

```
.background{ background-color: rgb(216,  
132, 224) }
```

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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