

Converting Colors

CIELCh(67, 54.770, 312.373)

Have a look what the booklet for
CIELCh(67, 54.770, 312.373)
contains.

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Color

CIELCh(67, 54.435, 312.439)

Conversions

Conversions Part 1

Format	Color
Hex	C18EEC
RGB	193, 142, 236
RGB Percent	76%, 56%, 93%
CMY	0.2440, 0.4440, 0.0754
CMYK	0.18, 0.40, 0.00, 0.08
HSL	273°, 71%, 74%
HSV	273°, 40%, 92%
XYZ	46.6812, 36.6320, 83.7893
YIQ	167.9650, 0.2220, 40.0460

Conversions

Conversions Part 2

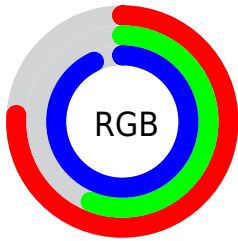
Format	Color
R _Y B	193, 142, 236
Decimal	12685036
CIE Lab	67.00, 36.73, -40.17
CIE LCh	67, 54.435, 312.439
Yxy	36.6320, 0.2794, 0.2192
Android (android.graphics.Color)	4290875116 (0xFFC18EEC)
YUV	167.9650, 33.5413, 21.9557
Hunter-Lab	60.5244, 31.7557, -39.7135

Details

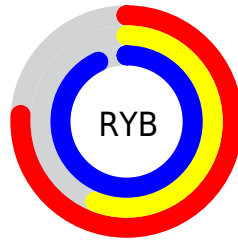
The CIELCh color $67, 54.435, 312.439$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $88, 51.688, 128.680$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $86, 36.308, 323.780$, and $47, 54.351, 312.420$ is the 20% darker color. If you saturate the color by 10%, you get $61, 68.350, 312.925$, and if you desaturate by 10%, it is $73, 40.432, 311.932$.

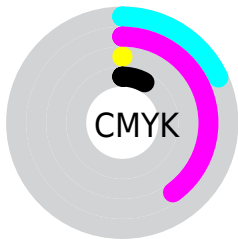
Distribution



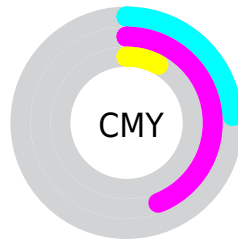
- Red (76%)
- Green (56%)
- Blue (93%)



- Red (76%)
- Yellow (56%)
- Blue (93%)



- Cyan (18%)
- Magenta (40%)
- Yellow (0%)
- Black (8%)





- Cyan (24%)
- Magenta (44%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 54.435, 312.439 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, 54.435, 312.439 by changing the saturation by 10% instead.


 67, 54.435,
312.439


 67, 54.435,
312.439


 100, 54.435,
312.439

 57, 54.435,
312.439

 87, 54.435,
312.439

 47, 54.435,
312.439

 97, 54.435,
312.439

 37, 54.435,
312.439

 27, 54.435,
312.439

 17, 54.435,
312.439

 7, 54.435, 312.439

 0, 54.435, 312.439

67, 54.435,
312.439

67, 54.435,
312.439

61, 68.350,
312.925

73, 40.432,
311.932

55, 81.783,
313.344

80, 26.585,
311.433

50, 94.122,
313.626

87, 13.028,
310.957

45, 104.539,
313.677

93, 0.171, 131.409

41, 112.129,
313.391

99, 10.217,
126.289

39, 116.645,
312.742

100, 9.736,
109.440

39, 116.701,
312.733

Harmonies

Complementary

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



67, 54.435, 312.439



88, 51.688, 128.680

Rectangle

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



67, 54.435, 312.439



67, 54.435, 2.439



67, 54.435, 132.439



67, 54.435, 182.439

Sweetspot

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



67, 54.433, 312.439



91, 16.945, 311.059



74, 29.660, 265.935



48, 11.259, 311.121



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, 54.433, 312.439



67, 70.104, 312.848



72, 57.905, 327.536



46, 7.472, 310.938



29, 95.598, 312.924



5, 37.889, 313.045

Inverse Universe

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



70, 41.721, 350.224



71, 53.223, 351.469



86, 58.028, 142.262



46, 5.796, 346.785



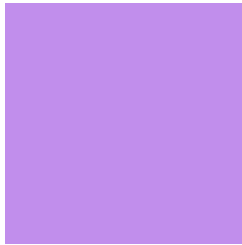
39, 65.285, 6.006



8, 28.260, 358.511

Previews

White Background



This preview shows how the CIELCh color 67, 54.435, 312.439 looks on a white background.

Color Contrast Check

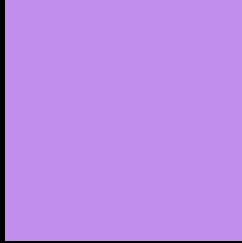
Large Text (above 18pt) WCAG AA × Fail

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, 54.435, 312.439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

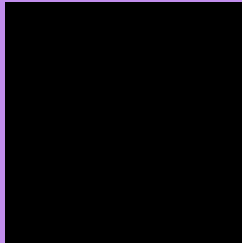
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 54.435, 312.439

Background



This preview shows how black text looks on a background with the CIELCh color 67, 54.435, 312.439.



This preview shows how white text looks on a background with the CIELCh color 67, 54.435, 312.439.

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, 54.435, 312.439

Protanopia
67, 50.452, 285.993

Deuteranopia
67, 38.985, 283.433



Tritanopia
67, 11.959, 346.999

Trichromacy



Original Color
67, 54.435, 312.439



Protanomaly
67, 50.892, 295.172



Deuteranomaly
67, 43.181, 295.667



Tritanomaly
67, 26.510, 320.777

Monochromacy



Original Color
67, 54.435, 312.439



Achromatopsia
69, 0.009, 296.813



Achromatomaly
68, 20.583, 311.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 54.435, 312.439 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(193, 142, 236)` looks like.

```
.text, #text, p{  
    color:rgb(193, 142, 236)  
}
```

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(193, 142, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 142, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 54.435, 312.439 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(193, 142, 236) }
```

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

```
.border{ border-color:rgb(193, 142, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 142, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 142, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 142, 236);  
box-shadow:4px 4px 4px 4px rgb(193, 142,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 54.435, 312.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 142, 236) }
```

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

```
.background{ background-color: rgb(193,  
142, 236) }
```

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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