

Converting Colors

CIELCh(67, 65.210, 310.853)

Have a look what the booklet for
CIELCh(67, 65.210, 310.853)
contains.

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Color

CIELCh(67, 64.998, 310.831)

Conversions

Conversions Part 1

Format	Color
Hex	C18AFC
RGB	193, 138, 252
RGB Percent	76%, 54%, 99%
CMY	0.2424, 0.4581, 0.0110
CMYK	0.23, 0.45, 0.00, 0.01
HSL	269°, 95%, 77%
HSV	269°, 45%, 99%
XYZ	48.7577, 36.6320, 96.7603
YIQ	167.4410, -3.8140, 47.1140

Conversions

Conversions Part 2

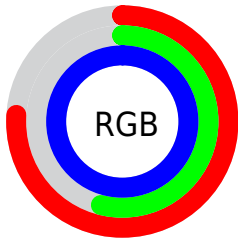
Format	Color
R _Y B	193, 138, 252
Decimal	12684028
CIE Lab	67.00, 42.50, -49.18
CIE LCh	67, 64.998, 310.831
Yxy	36.6320, 0.2677, 0.2011
Android (android.graphics.Color)	4290874108 (0xFFC18AFC)
YUV	167.4410, 41.6876, 22.4152
Hunter-Lab	60.5244, 37.8797, -52.4198

Details

The CIELCh color `67, 64.998, 310.831` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `93, 60.609, 126.311`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `85, 38.820, 323.983`, and `47, 65.390, 310.932` is the 20% darker color. If you saturate the color by 10%, you get `60, 79.633, 311.373`, and if you desaturate by 10%, it is `74, 50.184, 310.260`.

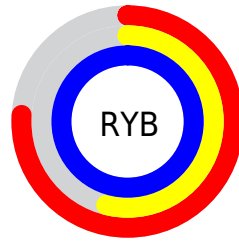
Distribution



Red (76%)

Green (54%)

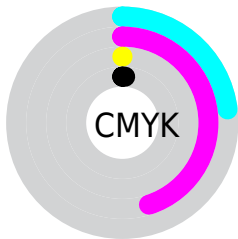
Blue (99%)



Red (76%)

Yellow (54%)

Blue (99%)

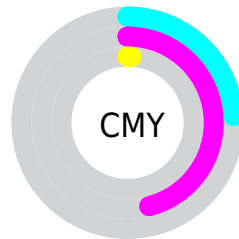


Cyan (23%)

Magenta (45%)

Yellow (0%)

Black (1%)



Cyan (24%)


Magenta (46%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 64.998, 310.831 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, 64.998, 310.831 by changing the saturation by 10% instead.


 67, 64.998,
310.831


 67, 64.998,
310.831


 100, 64.998,
310.831


 57, 64.998,
310.831


 87, 64.998,
310.831

 47, 64.998,
310.831

 97, 64.998,
310.831

 37, 64.998,
310.831

 27, 64.998,
310.831

 17, 64.998,
310.831

 7, 64.998, 310.831

 0, 64.998, 310.831

67, 64.998,
310.831

67, 64.998,
310.831

60, 79.633,
311.373

74, 50.184,
310.260

54, 93.574,
311.825

81, 35.504,
309.699

49, 106.029,
312.095

88, 21.126,
309.168

44, 115.965,
312.065

95, 7.134, 308.671

41, 122.411,
311.616

100, 1.410,
110.018

40, 124.474,
311.291

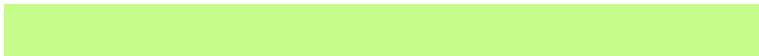
Harmonies

Complementary

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



67, 64.998, 310.831



93, 60.609, 126.311

Rectangle

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



67, 64.998, 310.831



67, 64.998, 0.831



67, 64.998, 130.831



67, 64.998, 180.831

Sweetspot

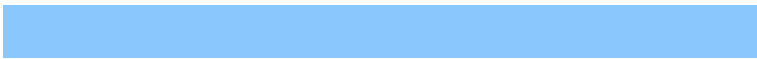
The Sweet Spot groups the original color and five complimentary colors.



67, 64.996, 310.831



90, 19.588, 309.107



78, 32.749, 259.877



46, 13.565, 309.218



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, 64.996, 310.831



62, 78.589, 311.313



73, 69.837, 325.851



48, 7.773, 308.881



29, 99.898, 311.490



5, 43.228, 312.183

Inverse Universe

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



72, 51.409, 347.345



68, 61.057, 348.646



90, 69.893, 140.129



49, 6.352, 343.464



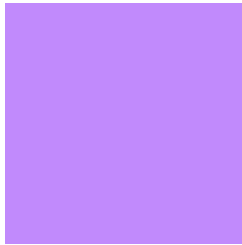
41, 67.791, 0.414



10, 31.239, 354.849

Previews

White Background



This preview shows how the CIELCh color 67, 64.998, 310.831 looks on a white background.

Color Contrast Check

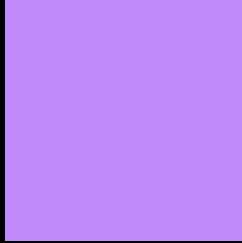
Large Text (above 18pt) WCAG AA × Fail

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, 64.998, 310.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

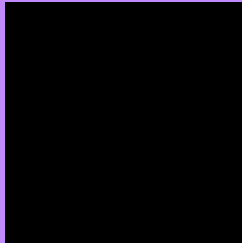
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 64.998, 310.831

Background



This preview shows how black text looks on a background with the CIELCh color 67, 64.998, 310.831.



This preview shows how white text looks on a background with the CIELCh color 67, 64.998, 310.831.

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, 64.998, 310.831

Protanopia
67, 52.706, 285.611

Deuteranopia
67, 47.032, 281.249



Tritanopia
67, 10.703, 342.230

Trichromacy



Original Color
67, 64.998, 310.831



Protanomaly
67, 56.369, 295.375



Deuteranomaly
67, 52.478, 293.749



Tritanomaly
67, 29.780, 316.582

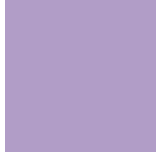
Monochromacy



Original Color
67, 64.998, 310.831



Achromatopsia
69, 0.009, 296.813



Achromatomaly
68, 24.353, 309.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 64.998, 310.831 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, 138, 252)` looks like.

```
.text, #text, p{  
    color:rgb(193, 138, 252)  
}
```

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, 138, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 138, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 64.998, 310.831 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, 138, 252) }
```

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

```
.border{ border-color:rgb(193, 138, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 138, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 138, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 138, 252);  
box-shadow:4px 4px 4px 4px rgb(193, 138,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 64.998, 310.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 138, 252) }
```

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

```
.background{ background-color: rgb(193,  
138, 252) }
```

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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