

Converting Colors

CIELCh(68, 90.452, 306.936)

Have a look what the booklet for
CIELCh(68, 90.452, 306.936)
contains.

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Color

CIELCh(66, 68.728, 309.840)

Conversions

Conversions Part 1

Format	Color
Hex	BD87FF
RGB	189, 135, 255
RGB Percent	74%, 53%, 100%
CMY	0.2596, 0.4716, 0.0000
CMYK	0.26, 0.47, 0.00, 0.00
HSL	267°, 100%, 76%
HSV	267°, 47%, 100%
XYZ	47.7496, 35.3238, 99.6071
YIQ	164.8260, -6.3360, 48.7680

Conversions

Conversions Part 2

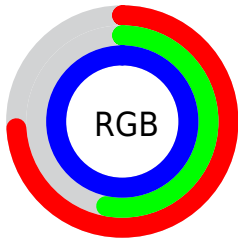
Format	Color
R _Y B	189, 135, 255
Decimal	12421119
CIE _{Lab}	66.00, 44.03, -52.77
CIE _{LCh}	66, 68.728, 309.840
Y _{xy}	35.3238, 0.2614, 0.1934
Android (android.graphics.Color)	4290611199 (0xFFBD87FF)
YUV	164.8260, 44.4558, 21.2006
Hunter-Lab	59.4338, 39.3990, -57.7623

Details

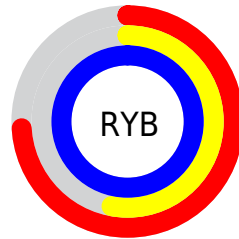
The CIELCh color **66, 68.728, 309.840** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **94, 63.100, 125.017**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 40.057, 322.347**, and **46, 68.120, 309.916** is the 20% darker color. If you saturate the color by 10%, you get **59, 83.087, 310.512**, and if you desaturate by 10%, it is **73, 53.334, 309.307**.

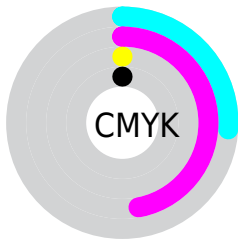
Distribution



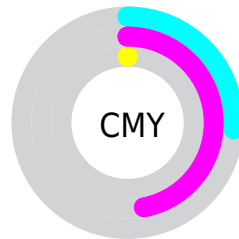
- Red (74%)
- Green (53%)
- Blue (100%)



- Red (74%)
- Yellow (53%)
- Blue (100%)



- Cyan (26%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (47%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 68.728, 309.840 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 66, 68.728, 309.840 by changing the saturation by 10% instead.


 66, 68.728,
309.840

 66, 68.728,
309.840


 100, 68.728,
309.840


 56, 68.728,
309.840


 86, 68.728,
309.840

 46, 68.728,
309.840

 96, 68.728,
309.840

 36, 68.728,
309.840

 26, 68.728,
309.840

 16, 68.728,
309.840

 6, 68.728, 309.840

 0, 68.728, 309.840

66, 68.728,
309.840

66, 68.728,
309.840

59, 83.087,
310.512

73, 53.334,
309.307

53, 97.111,
311.003

80, 38.498,
308.704

48, 109.513,
311.294

87, 23.975,
308.137

43, 119.178,
311.255

95, 9.853, 307.613

40, 125.151,
310.769

100, 0.012,
296.813

39, 126.426,
310.593

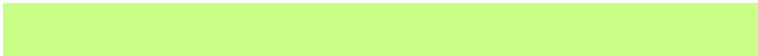
Harmonies

Complementary

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



66, 68.728, 309.840



94, 63.100, 125.017

Rectangle

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



66, 68.728, 309.840



66, 68.728, 359.840



66, 68.728, 129.840



66, 68.728, 179.840

Sweetspot

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



66, 68.307, 309.924



90, 19.470, 307.967



79, 33.165, 256.279



46, 13.485, 308.083



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66, 68.307, 309.924



59, 82.858, 310.503



72, 72.789, 324.931



49, 7.853, 307.733



29, 101.624, 310.785



6, 44.922, 311.504

Inverse Universe

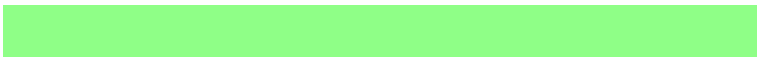
The Inverse Universe completely reimagines the original color for something new.



71, 54.978, 345.694



67, 65.077, 347.104



91, 72.644, 139.221



50, 6.605, 341.753



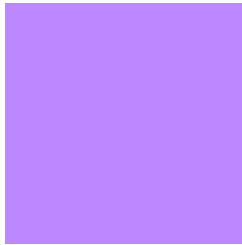
41, 69.056, 357.395



11, 32.433, 352.593

Previews

White Background



This preview shows how the CIELCh color 66, 68.728, 309.840 looks on a white background.

Color Contrast Check

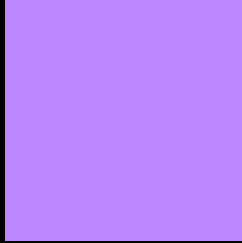
Large Text (above 18pt) WCAG AA × Fail

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 66, 68.728, 309.840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

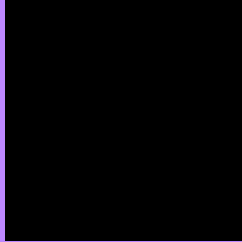
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 68.728, 309.840

Background



This preview shows how black text looks on a background with the CIELCh color 66, 68.728, 309.840.



This preview shows how white text looks on a background with the CIELCh color 66, 68.728, 309.840.

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

66, 68.161, 309.931

Protanopia

66, 54.525, 285.784

Deuteranopia

66, 50.606, 281.012



Tritanopia
66, 9.575, 336.358

Trichromacy



Original Color
66, 68.161, 309.931



Protanomaly
66, 58.724, 295.129



Deuteranomaly
66, 55.948, 292.861



Tritanomaly
66, 30.465, 313.855

Monochromacy



Original Color
66, 68.161, 309.931



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 25.484, 308.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 68.728, 309.840 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(189, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 135, 255)  
}
```

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(189, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 135, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 68.728, 309.840 is called "border". The border property can be set on classes, ids or directly on the HTML element.

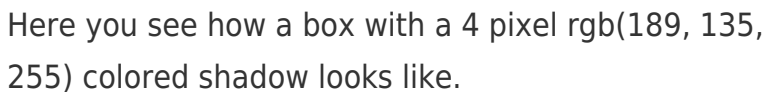
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 135, 255) }
```

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

```
.border{ border-color:rgb(189, 135, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 135, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 135, 255); box-shadow:4px 4px 4px 4px rgb(189, 135, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 68.728, 309.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 135, 255) }
```

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

```
.background{ background-color: rgb(189,  
135, 255) }
```

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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