

Converting Colors

CIELCh(66, 68.718, 310.789)

Have a look what the booklet for
CIELCh(66, 68.718, 310.789)
contains.

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Color

CIELCh(66, 68.355, 310.714)

Conversions

Conversions Part 1

Format	Color
Hex	BF86FE
RGB	191, 134, 254
RGB Percent	75%, 53%, 100%
CMY	0.2506, 0.4742, 0.0035
CMYK	0.25, 0.47, 0.00, 0.00
HSL	269°, 99%, 76%
HSV	269°, 47%, 100%
XYZ	47.9504, 35.3238, 98.1361
YIQ	164.7230, -4.5480, 49.4040

Conversions

Conversions Part 2

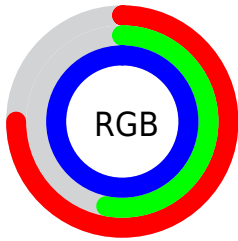
Format	Color
RYB	191, 134, 254
Decimal	12551934
CIELab	66.00, 44.59, -51.81
CIElCh	66, 68.355, 310.714
Yxy	35.3238, 0.2643, 0.1947
Android (android.graphics.Color)	4290742014 (0xFFBF86FE)
YUV	164.7230, 44.0136, 23.0449
Hunter-Lab	59.4338, 40.0022, -56.2949

Details

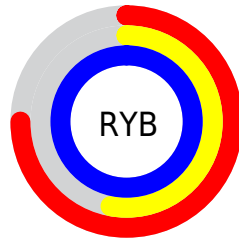
The CIELCh color `66, 68.355, 310.714` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `94, 63.425, 125.952`, and the grayscale version is `68, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 41.001, 323.301`, and `46, 68.837, 310.858` is the 20% darker color. If you saturate the color by 10%, you get `59, 83.010, 311.257`, and if you desaturate by 10%, it is `73, 53.449, 310.135`.

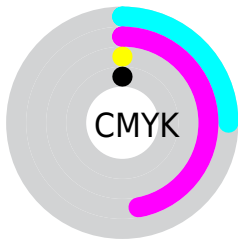
Distribution



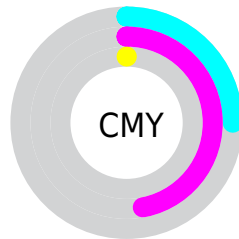
- Red (75%)
- Green (53%)
- Blue (100%)



- Red (75%)
- Yellow (53%)
- Blue (100%)



- Cyan (25%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (47%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 68.355, 310.714 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, 68.355, 310.714 by changing the saturation by 10% instead.


 66, 68.355,
310.714


 66, 68.355,
310.714

 100, 68.355,
310.714

 56, 68.355,
310.714


 86, 68.355,
310.714

 46, 68.355,
310.714

 96, 68.355,
310.714

 36, 68.355,
310.714

 26, 68.355,
310.714

 16, 68.355,
310.714

 6, 68.355, 310.714

 0, 68.355, 310.714

66, 68.355,
310.714

66, 68.355,
310.714

59, 83.010,
311.257

73, 53.449,
310.135

53, 96.847,
311.694

80, 38.640,
309.561

48, 109.005,
311.928

87, 24.116,
309.017

44, 118.411,
311.835

94, 9.973, 308.510

41, 124.185,
311.306

100, 0.447,
109.972

40, 125.393,
311.125

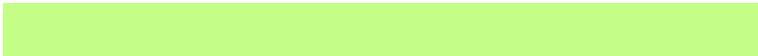
Harmonies

Complementary

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



66, 68.355, 310.714



94, 63.425, 125.952

Rectangle

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



66, 68.355, 310.714



66, 68.355, 0.714



66, 68.355, 130.714



66, 68.355, 180.714

Sweetspot

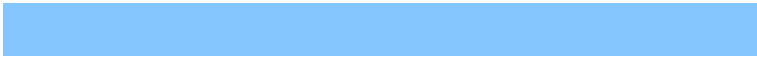
The Sweet Spot groups the original color and five complimentary colors.



66, 68.353, 310.714



90, 19.561, 308.849



78, 34.327, 260.425



46, 13.546, 308.961



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, 68.353, 310.714



60, 82.919, 311.246



73, 73.133, 325.940



49, 7.892, 308.623



29, 101.074, 311.317



6, 44.918, 312.194

Inverse Universe

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



71, 54.118, 347.184



66, 64.216, 348.670



91, 73.238, 139.923



50, 6.491, 343.071



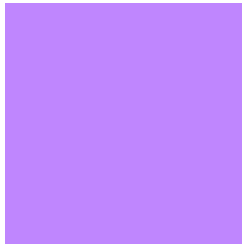
41, 68.579, 359.754



11, 32.126, 354.547

Previews

White Background



This preview shows how the CIELCh color 66, 68.355, 310.714 looks on a white background.

Color Contrast Check

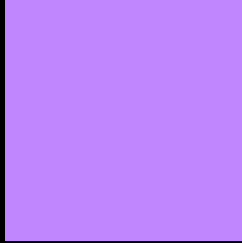
Large Text (above 18pt) WCAG AA × Fail

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, 68.355, 310.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

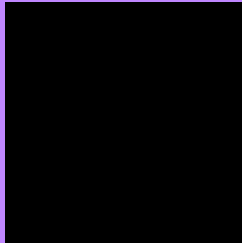
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 68.355, 310.714

Background



This preview shows how black text looks on a background with the CIELCh color 66, 68.355, 310.714.



This preview shows how white text looks on a background with the CIELCh color 66, 68.355, 310.714.

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, 68.355, 310.714

Protanopia

66, 54.494, 286.027

Deuteranopia

66, 50.000, 281.270



Tritanopia
66, 11.080, 339.981

Trichromacy



Original Color
66, 68.355, 310.714

Protanomaly
66, 58.717, 295.655

Deuteranomaly
66, 55.386, 293.330

Tritanomaly
66, 31.368, 315.368

Monochromacy



Original Color
66, 68.355, 310.714

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 24.958, 308.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 68.355, 310.714 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(191, 134, 254)` looks like.

```
.text, #text, p{  
    color:rgb(191, 134, 254)  
}
```

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(191, 134, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 134, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 68.355, 310.714 is called "border". The border property can be set on classes, ids or directly on the HTML element.

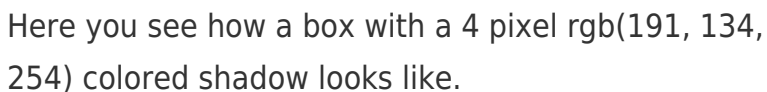
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 134, 254) }
```

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

```
.border{ border-color:rgb(191, 134, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 134, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 134, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 134, 254); box-shadow:4px 4px 4px 4px rgb(191, 134, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 68.355, 310.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 134, 254) }
```

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

```
.background{ background-color: rgb(191,  
134, 254) }
```

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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