

Converting Colors

CIELCh(70, 87.915, 308.416)

Have a look what the booklet for
CIELCh(70, 87.915, 308.416)
contains.

CIELCh(68, 66.889, 312.352)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 66.889, 312.352)

Conversions

Conversions Part 1

Format	Color
Hex	C98BFF
RGB	201, 139, 255
RGB Percent	79%, 55%, 100%
CMY	0.2132, 0.4565, 0.0000
CMYK	0.21, 0.46, 0.00, 0.00
HSL	272°, 100%, 77%
HSV	272°, 46%, 100%
XYZ	51.3134, 37.9720, 99.7745
YIQ	170.7620, -0.2840, 49.2200

Conversions

Conversions Part 2

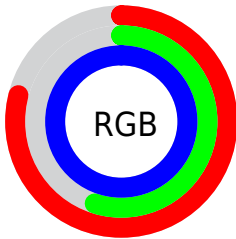
Format	Color
RYB	201, 139, 255
Decimal	13208575
CIELab	68.00, 45.06, -49.43
CIELCh	68, 66.889, 312.352
Yxy	37.9720, 0.2714, 0.2008
Android (android.graphics.Color)	4291398655 (0xFFC98BFF)
YUV	170.7620, 41.5293, 26.5187
Hunter-Lab	61.6215, 40.8029, -52.8645

Details

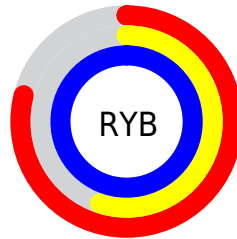
The CIELCh color $68, 66.889, 312.352$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 62.570, 128.077$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $86, 38.257, 325.753$, and $48, 66.566, 312.571$ is the 20% darker color. If you saturate the color by 10%, you get $62, 81.179, 312.903$, and if you desaturate by 10%, it is $75, 51.656, 311.925$.

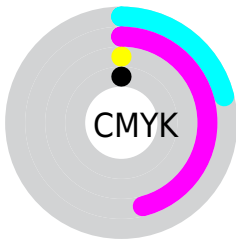
Distribution



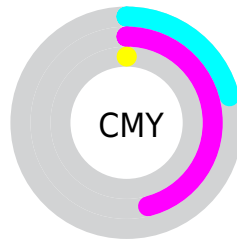
- Red (79%)
- Green (55%)
- Blue (100%)



- Red (79%)
- Yellow (55%)
- Blue (100%)



- Cyan (21%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (46%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 66.889, 312.352 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 68, 66.889, 312.352 by changing the saturation by 10% instead.

 68, 66.889,
312.352


 68, 66.889,
312.352


 100, 66.889,
312.352


 58, 66.889,
312.352


 88, 66.889,
312.352

 48, 66.889,
312.352

 98, 66.889,
312.352

 38, 66.889,
312.352

 28, 66.889,
312.352

 18, 66.889,
312.352

 8, 66.889, 312.352

 0, 66.889, 312.352

■ 68, 66.889,
312.352

■ 68, 66.889,
312.352

■ 62, 81.179,
312.903

■ 75, 51.656,
311.925

■ 56, 94.932,
313.264

■ 82, 36.789,
311.409

■ 50, 107.021,
313.433

■ 89, 22.167,
310.911

■ 46, 116.461,
313.302

■ 96, 7.899, 310.437

■ 43, 122.408,
312.769

100, 0.012,
296.813

■ 42, 124.148,
312.450

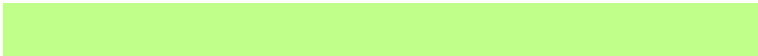
Harmonies

Complementary

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



68, 66.889, 312.352



94, 62.570, 128.077

Rectangle

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



68, 66.889, 312.352



68, 66.889, 2.352



68, 66.889, 132.352



68, 66.889, 182.352

Sweetspot

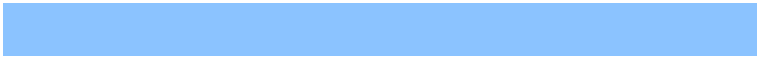
The Sweet Spot groups the original color and five complimentary colors.



68, 66.568, 312.437



90, 19.783, 310.831



77, 35.364, 265.688



46, 13.697, 310.936



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 66.568, 312.437



62, 80.245, 312.875



74, 70.789, 327.346



49, 7.985, 310.618



31, 99.819, 312.646



6, 44.855, 313.790

Inverse Universe

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



72, 50.982, 350.495



67, 60.556, 352.045



91, 71.082, 141.194



50, 6.245, 346.246



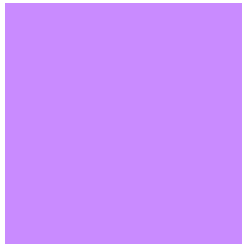
41, 68.019, 5.284



10, 31.597, 359.181

Previews

White Background



This preview shows how the CIELCh color 68, 66.889, 312.352 looks on a white background.

Color Contrast Check

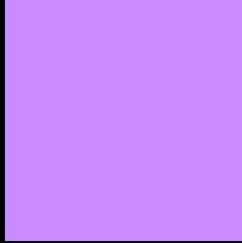
Large Text (above 18pt) WCAG AA × Fail

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 68, 66.889, 312.352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

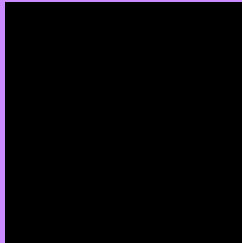
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 66.889, 312.352

Background



This preview shows how black text looks on a background with the CIELCh color 68, 66.889, 312.352.

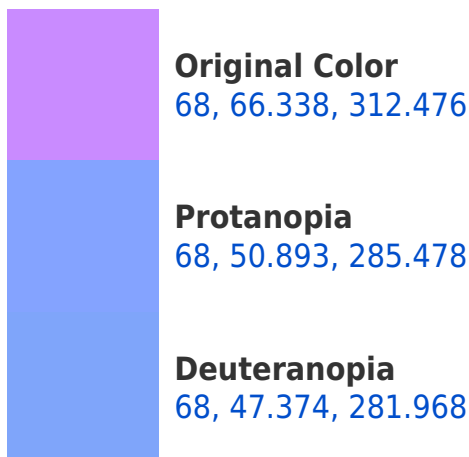



This preview shows how white text looks on a background with the CIELCh color 68, 66.889, 312.352.

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
68, 12.581, 349.026

Trichromacy



Original Color
68, 66.338, 312.476



Protanomaly
68, 55.711, 296.421



Deuteranomaly
68, 53.489, 295.048

Tritanomaly
68, 31.101, 319.908

Monochromacy



Original Color
68, 66.338, 312.476



Achromatopsia
70, 0.009, 296.813



Achromatomaly
69, 24.510, 310.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 66.889, 312.352 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(201, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 139, 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(201, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 139, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 66.889, 312.352 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(201, 139, 255) }
```

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

```
.border{ border-color:rgb(201, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 139,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 66.889, 312.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 139, 255) }
```

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

```
.background{ background-color: rgb(201,  
139, 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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