

Converting Colors

CIELCh(69, 73.630, 313.440)

Have a look what the booklet for
CIELCh(69, 73.630, 313.440)
contains.

CIELCh(69, 68.060, 314.886)	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(69, 68.060, 314.886)

Conversions

Conversions Part 1

Format	Color
Hex	D28AFF
RGB	210, 138, 255
RGB Percent	82%, 54%, 100%
CMY	0.1748, 0.4576, 0.0000
CMYK	0.17, 0.46, 0.00, 0.00
HSL	277°, 100%, 77%
HSV	277°, 46%, 100%
XYZ	54.1148, 39.3444, 100.5673
YIQ	172.8660, 5.3550, 51.6510

Conversions

Conversions Part 2

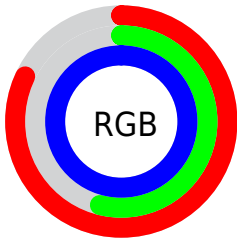
Format	Color
R _Y B	210, 138, 255
Decimal	13798143
CIE Lab	69.00, 48.03, -48.22
CIE LCh	69, 68.060, 314.886
Yxy	39.3444, 0.2789, 0.2028
Android (android.graphics.Color)	4291988223 (0xFFD28AFF)
YUV	172.8660, 40.4921, 32.5665
Hunter-Lab	62.7251, 44.2284, -51.1522

Details

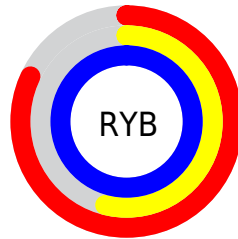
The CIELCh color $69, 68.060, 314.886$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $93, 64.247, 130.895$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $85, 38.882, 325.774$, and $49, 67.441, 314.882$ is the 20% darker color. If you saturate the color by 10%, you get $63, 81.737, 315.486$, and if you desaturate by 10%, it is $75, 52.498, 314.670$.

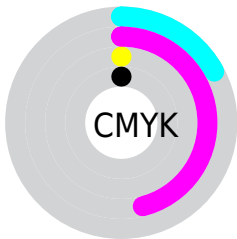
Distribution



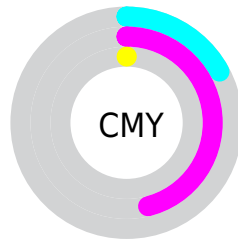
- Red (82%)
- Green (54%)
- Blue (100%)



- Red (82%)
- Yellow (54%)
- Blue (100%)



- Cyan (17%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (46%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 68.060, 314.886 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 69, 68.060, 314.886 by changing the saturation by 10% instead.

 69, 68.060,
314.886


 69, 68.060,
314.886

 100, 68.060,
314.886

 59, 68.060,
314.886

 89, 68.060,
314.886

 49, 68.060,
314.886

 99, 68.060,
314.886

 39, 68.060,
314.886

 29, 68.060,
314.886

 19, 68.060,
314.886

 9, 68.060, 314.886

 0, 68.060, 314.886

69, 68.060,
314.886

69, 68.060,
314.886

63, 81.737,
315.486

75, 52.498,
314.670

57, 95.032,
315.744

82, 37.537,
314.208

52, 106.456,
315.809

89, 22.726,
313.748

49, 115.132,
315.591

96, 8.206, 313.297

46, 120.407,
315.016

100, 0.012,
296.813

45, 121.882,
314.696

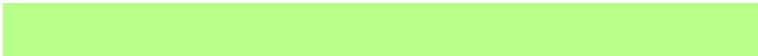
Harmonies

Complementary

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



69, 68.060, 314.886



93, 64.247, 130.895

Rectangle

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



69, 68.060, 314.886



69, 68.060, 4.886



69, 68.060, 134.886



69, 68.060, 184.886

Sweetspot

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



69, 67.363, 315.109



90, 20.151, 313.668



74, 40.361, 275.326



47, 13.946, 313.766



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 67.363, 315.109



63, 80.679, 315.461



73, 66.340, 330.526



49, 8.140, 313.466



33, 98.034, 314.883



7, 44.588, 316.175

Inverse Universe

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



72, 49.193, 356.114



67, 58.592, 357.895



91, 66.578, 143.926



50, 5.924, 351.362



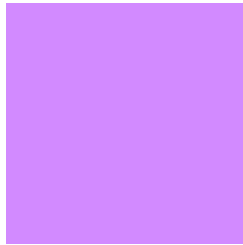
41, 68.585, 13.552



10, 31.283, 6.322

Previews

White Background



This preview shows how the CIELCh color 69, 68.060, 314.886 looks on a white background.

Color Contrast Check

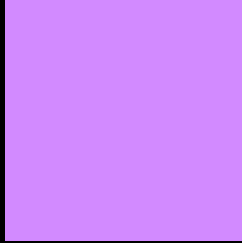
Large Text (above 18pt) WCAG AA × Fail

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 69, 68.060, 314.886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

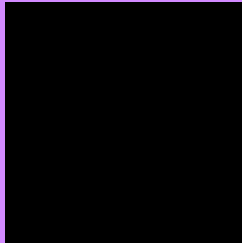
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 68.060, 314.886

Background



This preview shows how black text looks on a background with the CIELCh color 69, 68.060, 314.886.



This preview shows how white text looks on a background with the CIELCh color 69, 68.060, 314.886.

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
69, 16.373, 357.412

Trichromacy



Original Color
69, 67.526, 315.033



Protanomaly
69, 54.539, 297.510



Deuteranomaly
69, 51.768, 296.440

Tritanomaly
69, 32.979, 326.346

Monochromacy



Original Color
69, 67.526, 315.033



Achromatopsia
71, 0.009, 296.813



Achromatomaly
69, 25.586, 314.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 68.060, 314.886 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(210, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 138, 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(210, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 138, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 68.060, 314.886 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(210, 138, 255) }
```

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

```
.border{ border-color:rgb(210, 138, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 138,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 68.060, 314.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 138, 255) }
```

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

```
.background{ background-color: rgb(210,  
138, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor