

Converting Colors

CIELCh(70, 79.205, 311.682)

Have a look what the booklet for
CIELCh(70, 79.205, 311.682)
contains.

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Color

CIELCh(69, 67.457, 314.765)

Conversions

Conversions Part 1

Format	Color
Hex	D28BFF
RGB	210, 139, 255
RGB Percent	82%, 55%, 100%
CMY	0.1772, 0.4558, 0.0000
CMYK	0.18, 0.46, 0.00, 0.00
HSL	277°, 100%, 77%
HSV	277°, 46%, 100%
XYZ	53.9088, 39.3444, 100.0619
YIQ	173.4530, 5.0800, 51.1280

Conversions

Conversions Part 2

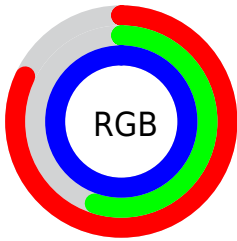
Format	Color
R _Y B	210, 139, 255
Decimal	13798399
CIE Lab	69.00, 47.50, -47.89
CIE LCh	69, 67.457, 314.765
Yxy	39.3444, 0.2789, 0.2035
Android (android.graphics.Color)	4291988479 (0xFFD28BFF)
YUV	173.4530, 40.2027, 32.0517
Hunter-Lab	62.7251, 43.6421, -50.6745

Details

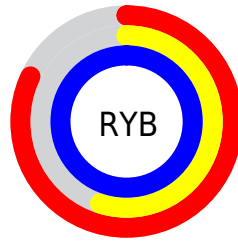
The CIELCh color **69, 67.457, 314.765** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **93, 63.891, 130.691**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 38.257, 325.753**, and **49, 66.847, 314.754** is the 20% darker color. If you saturate the color by 10%, you get **63, 81.458, 315.277**, and if you desaturate by 10%, it is **75, 52.181, 314.449**.

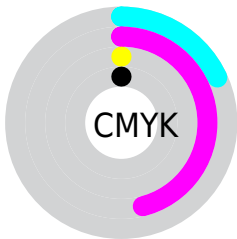
Distribution



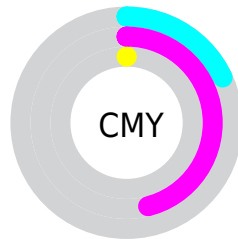
- Red (82%)
- Green (55%)
- Blue (100%)



- Red (82%)
- Yellow (55%)
- Blue (100%)



- Cyan (18%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (46%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 67.457, 314.765 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, 67.457, 314.765 by changing the saturation by 10% instead.

 69, 67.457,
314.765


 69, 67.457,
314.765

 100, 67.457,
314.765


 59, 67.457,
314.765


 89, 67.457,
314.765

 49, 67.457,
314.765

 99, 67.457,
314.765

 39, 67.457,
314.765

 29, 67.457,
314.765

 19, 67.457,
314.765

 9, 67.457, 314.765

 0, 67.457, 314.765

69, 67.457,
314.765

69, 67.457,
314.765

63, 81.458,
315.277

75, 52.181,
314.449

57, 94.812,
315.545

82, 37.229,
313.984

52, 106.326,
315.619

89, 22.437,
313.522

48, 115.112,
315.411

96, 7.944, 313.070

46, 120.498,
314.842

100, 0.012,
296.813

45, 122.054,
314.509

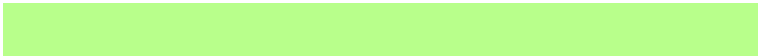
Harmonies

Complementary

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



69, 67.457, 314.765



93, 63.891, 130.691

Rectangle

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



69, 67.457, 314.765



69, 67.457, 4.765



69, 67.457, 134.765



69, 67.457, 184.765

Sweetspot

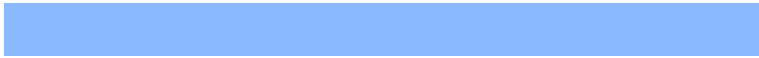
The Sweet Spot groups the original color and five complimentary colors.



69, 67.053, 314.893



90, 20.121, 313.450



75, 39.320, 273.834



47, 13.926, 313.548



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, 67.053, 314.893



63, 80.640, 315.258



74, 66.856, 329.951



49, 8.127, 313.248



33, 98.169, 314.696



7, 44.618, 315.987

Inverse Universe

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



72, 49.139, 355.629



67, 58.719, 357.422



91, 67.114, 143.464



50, 5.948, 350.944



41, 68.481, 12.910



10, 31.286, 5.756

Previews

White Background



This preview shows how the CIELCh color 69, 67.457, 314.765 looks on a white background.

Color Contrast Check

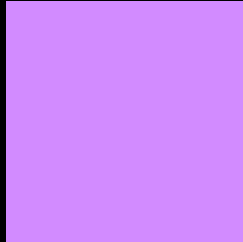
Large Text (above 18pt) WCAG AA × Fail

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, 67.457, 314.765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

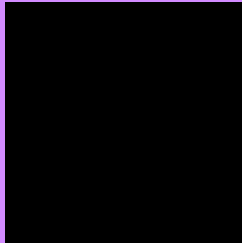
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 67.457, 314.765

Background



This preview shows how black text looks on a background with the CIELCh color 69, 67.457, 314.765.



This preview shows how white text looks on a background with the CIELCh color 69, 67.457, 314.765.

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
69, 66.922, 314.912

Protanopia
69, 49.121, 285.093

Deuteranopia
69, 45.541, 282.401



Tritanopia
69, 16.016, 356.803

Trichromacy



Original Color
69, 66.922, 314.912



Protanomaly
69, 54.539, 297.510



Deuteranomaly
69, 51.768, 296.440

Tritanomaly
69, 32.793, 325.786

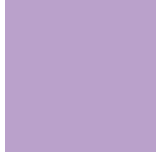
Monochromacy



Original Color
69, 66.922, 314.912



Achromatopsia
71, 0.009, 296.813



Achromatomaly
70, 24.806, 313.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 67.457, 314.765 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, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 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(210, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 139, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 67.457, 314.765 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, 139, 255) }
```

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

```
.border{ border-color:rgb(210, 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(210, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 139,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 67.457, 314.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 139, 255) }
```

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

```
.background{ background-color: rgb(210,  
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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