

Converting Colors

CIELCh(70, 51.830, 297.113)

Have a look what the booklet for
CIELCh(70, 51.830, 297.113)
contains.

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Color

CIELCh(70, 51.566, 297.000)

Conversions

Conversions Part 1

Format	Color
Hex	A7A1FF
RGB	167, 161, 255
RGB Percent	65%, 63%, 100%
CMY	0.3464, 0.3699, 0.0014
CMYK	0.35, 0.37, 0.00, 0.00
HSL	244°, 99%, 81%
HSV	244°, 37%, 100%
XYZ	46.5423, 40.7494, 99.7154
YIQ	173.5100, -26.5980, 30.5060

Conversions

Conversions Part 2

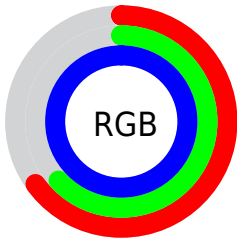
Format	Color
RYB	167, 161, 255
Decimal	10985983
CIELab	70.00, 23.41, -45.95
CIELCh	70, 51.566, 297.000
Yxy	40.7494, 0.2489, 0.2179
Android (android.graphics.Color)	4289176063 (0xFFA7A1FF)
YUV	173.5100, 40.1746, -5.7093
Hunter-Lab	63.8353, 18.4327, -47.9306

Details

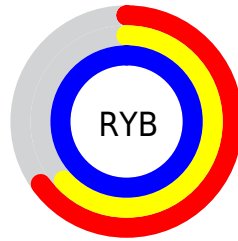
The CIELCh color **70, 51.566, 297.000** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **98, 46.940, 109.458**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 20.629, 299.331**, and **50, 51.999, 297.356** is the 20% darker color. If you saturate the color by 10%, you get **62, 66.906, 298.631**, and if you desaturate by 10%, it is **78, 36.805, 295.577**.

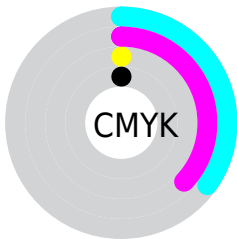
Distribution



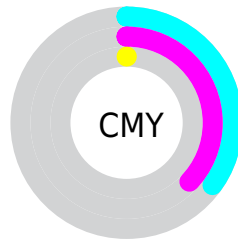
- Red (65%)
- Green (63%)
- Blue (100%)



- Red (65%)
- Yellow (63%)
- Blue (100%)



- Cyan (35%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (37%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 51.566, 297.000 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 70, 51.566, 297.000 by changing the saturation by 10% instead.


 70, 51.566,
297.000


 70, 51.566,
297.000


 100, 51.566,
297.000


 60, 51.566,
297.000


 90, 51.566,
297.000

 50, 51.566,
297.000

 40, 51.566,
297.000

 30, 51.566,
297.000

 20, 51.566,
297.000

 10, 51.566,
297.000

 0, 51.566, 297.000

70, 51.566,
297.000

70, 51.566,
297.000

62, 66.906,
298.631

78, 36.805,
295.577

54, 82.681,
300.442

86, 22.647,
294.355

47, 98.447,
302.343

94, 9.067, 293.315

41, 113.177,
304.142

100, 0.171,
109.714

36, 125.044,
305.546

33, 131.987,
306.271

32, 133.378,
306.422

Harmonies

Complementary

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



70, 51.566, 297.000



98, 46.940, 109.458

Rectangle

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



70, 51.566, 297.000



70, 51.566, 347.000



70, 51.566, 117.000



70, 51.566, 167.000

Sweetspot

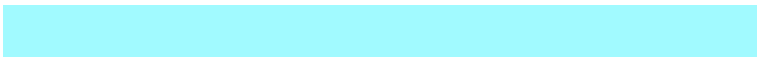
The Sweet Spot groups the original color and five complimentary colors.



70, 51.565, 297.000



91, 14.582, 293.721



93, 27.664, 202.790



47, 9.824, 293.861



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 51.565, 297.000



64, 62.472, 298.137



74, 53.589, 312.539



49, 7.515, 293.569



23, 107.461, 306.469



4, 44.279, 303.028

Inverse Universe

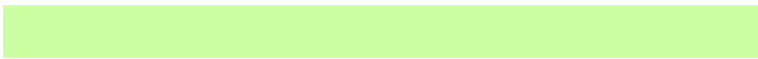
The Inverse Universe completely reimagines the original color for something new.



78, 56.090, 328.298



75, 66.317, 328.686



95, 51.139, 129.072



50, 8.672, 326.717



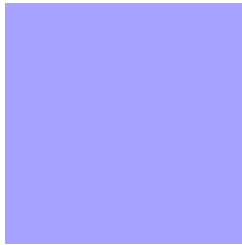
45, 88.539, 330.945



12, 40.978, 330.599

Previews

White Background



This preview shows how the CIELCh color 70, 51.566, 297.000 looks on a white background.

Color Contrast Check

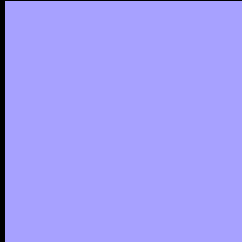
Large Text (above 18pt) WCAG AA × Fail

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 70, 51.566, 297.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

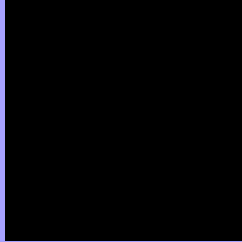
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 51.566, 297.000

Background



This preview shows how black text looks on a background with the CIELCh color 70, 51.566, 297.000.



This preview shows how white text looks on a background with the CIELCh color 70, 51.566, 297.000.

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

70, 51.566, 297.000

Protanopia

70, 47.866, 285.558

Deuteranopia

70, 45.975, 282.185



Tritanopia
70, 10.719, 244.851

Trichromacy



Original Color
70, 51.566, 297.000

Protanomaly
70, 49.308, 289.862

Deuteranomaly
70, 47.711, 287.809

Tritanomaly
70, 23.793, 282.886

Monochromacy



Original Color
70, 51.566, 297.000

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 18.655, 294.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 51.566, 297.000 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(167, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 161, 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(167, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 161, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 51.566, 297.000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

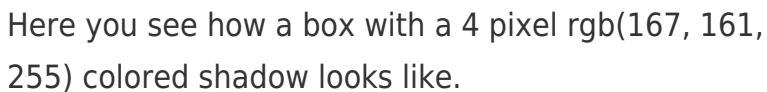
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 161, 255) }
```

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

```
.border{ border-color:rgb(167, 161, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 161, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 161, 255); box-shadow:4px 4px 4px 4px rgb(167, 161, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 51.566, 297.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 161, 255) }
```

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

```
.background{ background-color: rgb(167,  
161, 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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