

Converting Colors

CIELCh(75, 106.582, 305.758)

Have a look what the booklet for
CIELCh(75, 106.582, 305.758)
contains.

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Color

CIELCh(70, 60.876, 311.352)

Conversions

Conversions Part 1

Format	Color
Hex	CA94FF
RGB	202, 148, 255
RGB Percent	79%, 58%, 100%
CMY	0.2095, 0.4211, 0.0017
CMYK	0.21, 0.42, 0.00, 0.00
HSL	270°, 99%, 79%
HSV	270°, 42%, 100%
XYZ	52.7554, 40.7494, 99.3336
YIQ	176.3440, -2.1630, 44.7250

Conversions

Conversions Part 2

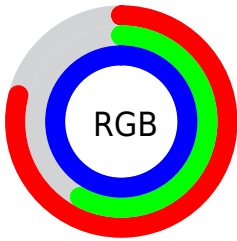
Format	Color
R _Y B	202, 148, 255
Decimal	13276415
CIE Lab	70.00, 40.22, -45.70
CIE LCh	70, 60.876, 311.352
Yxy	40.7494, 0.2736, 0.2113
Android (android.graphics.Color)	4291466495 (0xFFCA94FF)
YUV	176.3440, 38.7774, 22.5003
Hunter-Lab	63.8353, 35.8060, -47.5761

Details

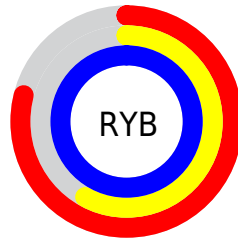
The CIELCh color **70, 60.876, 311.352** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **94, 57.275, 127.245**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 32.611, 325.559**, and **50, 61.048, 311.374** is the 20% darker color. If you saturate the color by 10%, you get **63, 75.681, 311.877**, and if you desaturate by 10%, it is **77, 45.967, 310.806**.

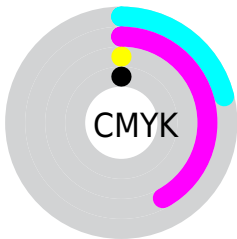
Distribution



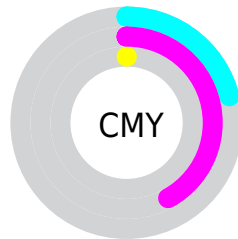
- Red (79%)
- Green (58%)
- Blue (100%)



- Red (79%)
- Yellow (58%)
- Blue (100%)



- Cyan (21%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (42%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 60.876, 311.352 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 70, 60.876, 311.352 by changing the saturation by 10% instead.


 70, 60.876,
311.352


 70, 60.876,
311.352


 100, 60.876,
311.352


 60, 60.876,
311.352


 90, 60.876,
311.352

 50, 60.876,
311.352

 40, 60.876,
311.352

 30, 60.876,
311.352

 20, 60.876,
311.352

 10, 60.876,
311.352

 0, 60.876, 311.352

70, 60.876,
311.352

70, 60.876,
311.352

63, 75.681,
311.877

77, 45.967,
310.806

57, 89.929,
312.329

84, 31.230,
310.272

51, 102.907,
312.627

91, 16.812,
309.768

47, 113.653,
312.664

98, 2.787, 309.265

43, 121.158,
312.323

100, 0.204,
109.784

41, 124.765,
311.780

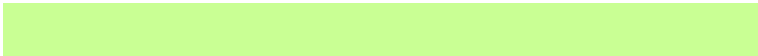
Harmonies

Complementary

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



70, 60.876, 311.352



94, 57.275, 127.245

Rectangle

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



70, 60.876, 311.352



70, 60.876, 1.352



70, 60.876, 131.352



70, 60.876, 181.352

Sweetspot

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



70, 60.874, 311.352



91, 18.241, 309.816



79, 31.951, 262.915



47, 12.803, 309.925



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, 60.874, 311.352



65, 72.823, 311.776



76, 66.194, 326.692



49, 7.938, 309.646



30, 100.433, 311.975



6, 44.896, 313.004

Inverse Universe

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



74, 47.699, 348.229



70, 56.330, 349.387



92, 66.372, 141.156



50, 6.363, 344.660



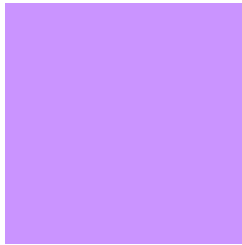
41, 68.200, 2.552



10, 31.826, 356.881

Previews

White Background



This preview shows how the CIELCh color 70, 60.876, 311.352 looks on a white background.

Color Contrast Check

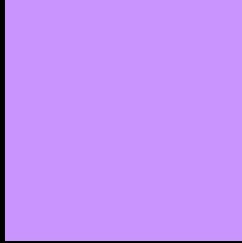
Large Text (above 18pt) WCAG AA × Fail

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 70, 60.876, 311.352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

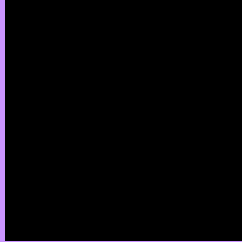
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 60.876, 311.352

Background



This preview shows how black text looks on a background with the CIELCh color 70, 60.876, 311.352.

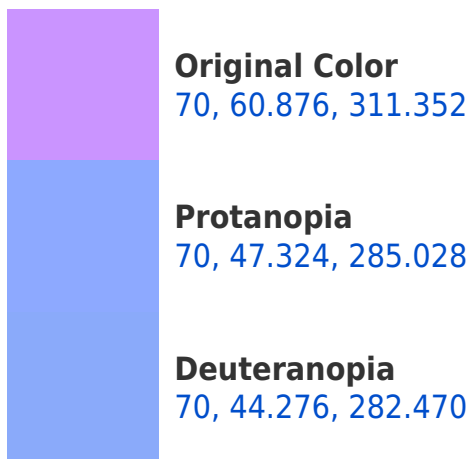



This preview shows how white text looks on a background with the CIELCh color 70, 60.876, 311.352.

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
70, 10.911, 343.470

Trichromacy



Original Color
70, 60.876, 311.352



Protanomaly
70, 51.542, 295.705



Deuteranomaly
70, 49.329, 294.524

Tritanomaly
70, 28.052, 317.917

Monochromacy



Original Color
70, 60.876, 311.352



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 22.469, 309.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 60.876, 311.352 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(202, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 148, 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(202, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 148, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 60.876, 311.352 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(202, 148, 255) }
```

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

```
.border{ border-color:rgb(202, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 148,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 60.876, 311.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 148, 255) }
```

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

```
.background{ background-color: rgb(202,  
148, 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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