

Converting Colors

CIELCh(74, 99.562, 305.703)

Have a look what the booklet for
CIELCh(74, 99.562, 305.703)
contains.

CIELCh(70, 60.752, 310.758)	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(70, 60.752, 310.758)

Conversions

Conversions Part 1

Format	Color
Hex	C894FF
RGB	200, 148, 255
RGB Percent	78%, 58%, 100%
CMY	0.2151, 0.4191, 0.0000
CMYK	0.22, 0.42, 0.00, 0.00
HSL	269°, 100%, 79%
HSV	269°, 42%, 100%
XYZ	52.5412, 40.7494, 99.8269
YIQ	175.7460, -3.3550, 44.3010

Conversions

Conversions Part 2

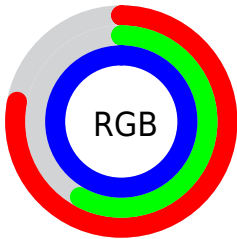
Format	Color
R _Y B	200, 148, 255
Decimal	13145343
CIE _{Lab}	70.00, 39.66, -46.02
CIE _{LCh}	70, 60.752, 310.758
Y _{xy}	40.7494, 0.2721, 0.2110
Android (android.graphics.Color)	4291335423 (0xFFC894FF)
Y _{UV}	175.7460, 39.0722, 21.2708
Hunter-Lab	63.8353, 35.2071, -48.0342

Details

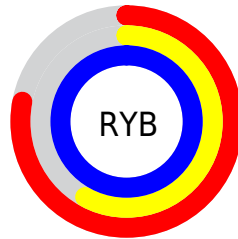
The CIELCh color $70, 60.752, 310.758$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 56.941, 126.608$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 32.611, 325.559$, and $50, 60.969, 310.778$ is the 20% darker color. If you saturate the color by 10%, you get $63, 75.540, 311.328$, and if you desaturate by 10%, it is $77, 45.749, 310.211$.

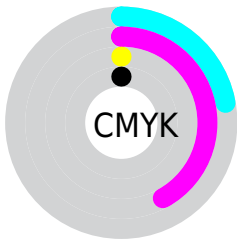
Distribution



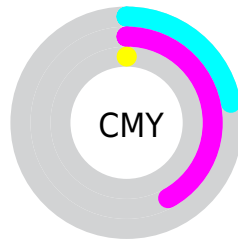
- Red (78%)
- Green (58%)
- Blue (100%)



- Red (78%)
- Yellow (58%)
- Blue (100%)



- Cyan (22%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (42%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 60.752, 310.758 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, 60.752, 310.758 by changing the saturation by 10% instead.


 70, 60.752,
310.758


 70, 60.752,
310.758


 100, 60.752,
310.758


 60, 60.752,
310.758


 90, 60.752,
310.758

 50, 60.752,
310.758

 40, 60.752,
310.758

 30, 60.752,
310.758

 20, 60.752,
310.758

 10, 60.752,
310.758

 0, 60.752, 310.758

70, 60.752,
310.758

70, 60.752,
310.758

63, 75.540,
311.328

77, 45.749,
310.211

57, 89.892,
311.811

84, 31.018,
309.662

51, 103.026,
312.145

91, 16.623,
309.146

46, 113.965,
312.218

99, 2.632, 308.634

43, 121.660,
311.909

100, 0.012,
296.813

40, 125.415,
311.376

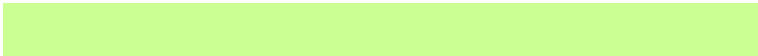
Harmonies

Complementary

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



70, 60.752, 310.758



94, 56.941, 126.608

Rectangle

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



70, 60.752, 310.758



70, 60.752, 0.758



70, 60.752, 130.758



70, 60.752, 180.758

Sweetspot

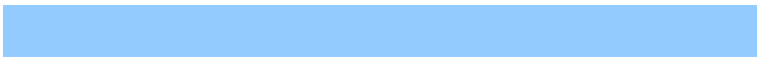
The Sweet Spot groups the original color and five complimentary colors.



70, 60.676, 310.777



91, 18.177, 309.200



80, 31.322, 260.996



47, 12.760, 309.312



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, 60.676, 310.777



64, 72.727, 311.227



76, 65.884, 326.197



49, 7.910, 309.027



30, 100.822, 311.571



6, 44.912, 312.512

Inverse Universe

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



74, 48.120, 347.152



70, 56.856, 348.284



92, 65.973, 140.813



50, 6.440, 343.689



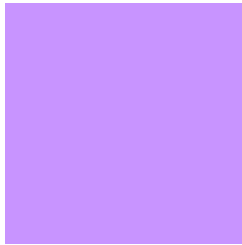
41, 68.407, 0.849



10, 32.001, 355.458

Previews

White Background



This preview shows how the CIELCh color 70, 60.752, 310.758 looks on a white background.

Color Contrast Check

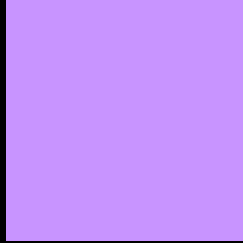
Large Text (above 18pt) WCAG AA × Fail

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, 60.752, 310.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

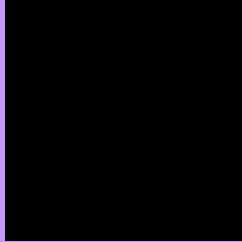
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 60.752, 310.758

Background



This preview shows how black text looks on a background with the CIELCh color 70, 60.752, 310.758.



This preview shows how white text looks on a background with the CIELCh color 70, 60.752, 310.758.

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, 60.752, 310.758

Protanopia
70, 47.866, 285.558

Deuteranopia
70, 44.800, 282.694



Tritanopia
70, 10.949, 339.925

Trichromacy



Original Color
70, 60.752, 310.758



Protanomaly
70, 51.542, 295.705



Deuteranomaly
70, 49.329, 294.524

Tritanomaly
70, 28.396, 316.767

Monochromacy



Original Color
70, 60.752, 310.758



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, 60.752, 310.758 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(200, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 148, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 60.752, 310.758 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(200, 148, 255) }
```

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

```
.border{ border-color:rgb(200, 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(200, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 148,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 60.752, 310.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 148, 255) }
```

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

```
.background{ background-color: rgb(200,  
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](#).

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