

Converting Colors

CIELCh(71, 55.502, 311.042)

Have a look what the booklet for
CIELCh(71, 55.502, 311.042)
contains.

CIELCh(71, 55.260, 311.193)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 55.260, 311.193)

Conversions

Conversions Part 1

Format	Color
Hex	CA99FA
RGB	202, 153, 250
RGB Percent	79%, 60%, 98%
CMY	0.2082, 0.4004, 0.0200
CMYK	0.19, 0.39, 0.00, 0.02
HSL	270°, 90%, 79%
HSV	270°, 39%, 98%
XYZ	52.9423, 42.1875, 95.7062
YIQ	178.7090, -1.9330, 40.5550

Conversions

Conversions Part 2

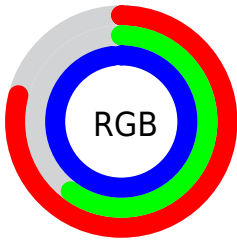
Format	Color
R_{YB}	202, 153, 250
Decimal	13277690
CIE _{Lab}	71.00, 36.39, -41.58
CIE _{LCh}	71, 55.260, 311.193
Yxy	42.1875, 0.2774, 0.2211
Android (android.graphics.Color)	4291467770 (0xFFCA99FA)
YUV	178.7090, 35.1465, 20.4262
Hunter-Lab	64.9519, 31.8294, -41.8971

Details

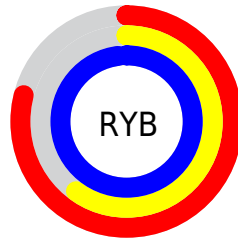
The CIELCh color **71, 55.260, 311.193** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **93, 52.268, 127.415**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 29.467, 325.450**, and **51, 55.238, 311.132** is the 20% darker color. If you saturate the color by 10%, you get **64, 69.914, 311.728**, and if you desaturate by 10%, it is **78, 40.605, 310.649**.

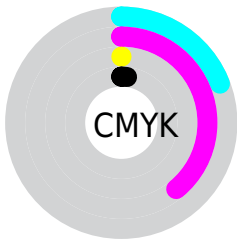
Distribution



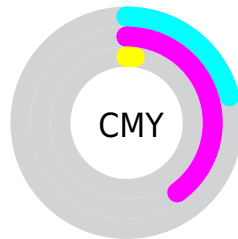
- Red (79%)
- Green (60%)
- Blue (98%)



- Red (79%)
- Yellow (60%)
- Blue (98%)



- Cyan (19%)
- Magenta (39%)
- Yellow (0%)
- Black (2%)





- Cyan (21%)
- Magenta (40%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 55.260, 311.193 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 71, 55.260, 311.193 by changing the saturation by 10% instead.


 71, 55.260,
311.193


 71, 55.260,
311.193


 100, 55.260,
311.193


 61, 55.260,
311.193


 91, 55.260,
311.193

 51, 55.260,
311.193

 41, 55.260,
311.193

 31, 55.260,
311.193

 21, 55.260,
311.193

 11, 55.260,
311.193

 1, 55.260, 311.193

0, 55.260, 311.193

71, 55.260,
311.193

71, 55.260,
311.193

64, 69.914,
311.728

78, 40.605,
310.649

58, 84.191,
312.210

85, 26.178,
310.125

52, 97.474,
312.567

92, 12.093,
309.631

47, 108.890,
312.702

99, 1.593, 129.287

43, 117.421,
312.496

100, 2.579,
109.955

40, 122.492,
311.883

■ 40,122.995,
311.804

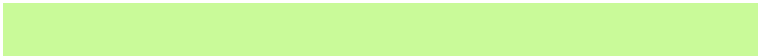
Harmonies

Complementary

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



71, 55.260, 311.193



93, 52.268, 127.415

Rectangle

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



71, 55.260, 311.193



71, 55.260, 1.193



71, 55.260, 131.193



71, 55.260, 181.193

Sweetspot

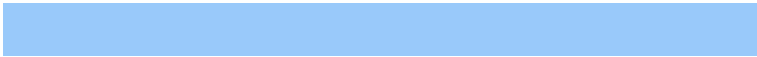
The Sweet Spot groups the original color and five complimentary colors.



71, 55.258, 311.193



91, 16.816, 309.786



79, 29.152, 262.123



48, 11.174, 309.850



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 55.258, 311.193



67, 68.387, 311.636



76, 60.502, 326.533



48, 7.808, 309.664



30, 99.412, 311.998



6, 43.249, 312.835

Inverse Universe

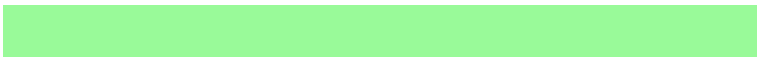
The Inverse Universe completely reimagines the original color for something new.



74, 43.466, 347.833



71, 53.160, 348.967



90, 60.612, 141.487



49, 6.256, 344.688



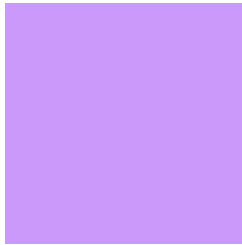
41, 67.521, 2.560



10, 31.017, 356.624

Previews

White Background



This preview shows how the CIELCh color 71, 55.260, 311.193 looks on a white background.

Color Contrast Check

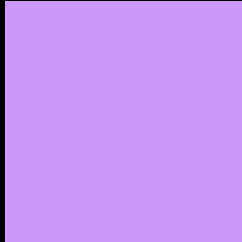
Large Text (above 18pt) WCAG AA × Fail

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 71, 55.260, 311.193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

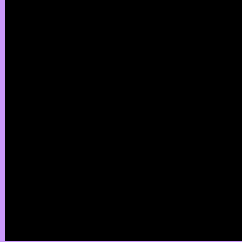
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 55.260, 311.193

Background



This preview shows how black text looks on a background with the CIELCh color 71, 55.260, 311.193.

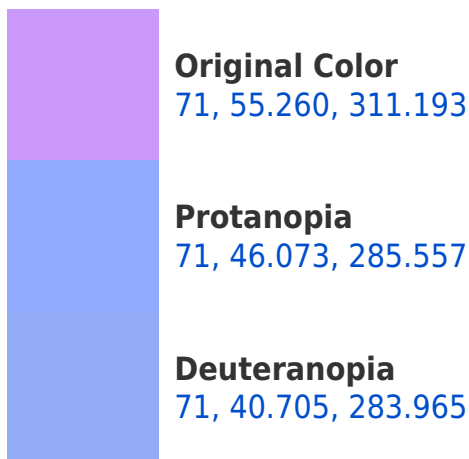


This preview shows how white text looks on a background with the CIELCh color 71, 55.260, 311.193.

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
71, 10.915, 339.911

Trichromacy



Original Color
71, 55.260, 311.193



Protanomaly
71, 48.695, 295.461



Deuteranomaly
71, 44.880, 295.582



Tritanomaly
71, 26.055, 317.277

Monochromacy



Original Color
71, 55.260, 311.193



Achromatopsia
73, 0.009, 296.813



Achromatomaly
72, 20.104, 309.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 55.260, 311.193 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, 153, 250)` looks like.

```
.text, #text, p{  
    color:rgb(202, 153, 250)  
}
```

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, 153, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 153, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 55.260, 311.193 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, 153, 250) }
```

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

```
.border{ border-color:rgb(202, 153, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 153, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 153, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 153, 250); box-shadow:4px 4px 4px 4px rgb(202, 153, 250) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 55.260, 311.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 153, 250) }
```

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

```
.background{ background-color: rgb(202,  
153, 250) }
```

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