

# Converting Colors

CIELCh(70, 56.858, 304.845)

Have a look what the booklet for  
CIELCh(70, 56.858, 304.845)  
contains.

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**Color**

**CIELCh(70, 56.280, 304.911)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B99AFF
RGB	185, 154, 255
RGB Percent	73%, 60%, 100%
CMY	0.2737, 0.3953, 0.0000
CMYK	0.27, 0.40, 0.00, 0.00
HSL	258°, 100%, 80%
HSV	258°, 40%, 100%
XYZ	49.7298, 40.7494, 100.0335
YIQ	174.7830, -13.9450, 37.9830

# Conversions

## Conversions Part 2

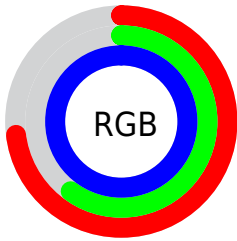
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">185, 154, 255</a>
Decimal	<a href="#">12163839</a>
CIELab	<a href="#">70.00, 32.21, -46.15</a>
CIElCh	<a href="#">70, 56.280, 304.911</a>
Yxy	<a href="#">40.7494, 0.2610, 0.2139</a>
Android (android.graphics.Color)	<a href="#">4290353919 (0xFFB99AFF)</a>
YUV	<a href="#">174.7830, 39.5470, 8.9603</a>
Hunter-Lab	<a href="#">63.8353, 27.3457, -48.2261</a>

# Details

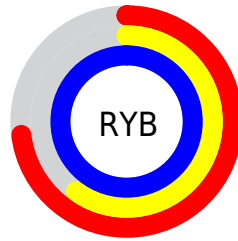
The CIELCh color `70, 56.280, 304.911` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `96, 51.683, 119.811`, and the grayscale version is `71, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 26.838, 317.733`, and `50, 56.687, 304.887` is the 20% darker color. If you saturate the color by 10%, you get `63, 71.338, 305.828`, and if you desaturate by 10%, it is `78, 41.285, 304.087`.

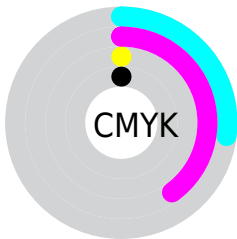
# Distribution



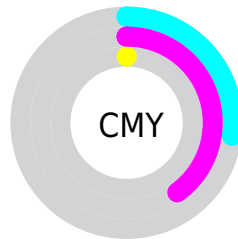
- Red (73%)
- Green (60%)
- Blue (100%)



- Red (73%)
- Yellow (60%)
- Blue (100%)



- Cyan (27%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (40%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 56.280, 304.911 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, 56.280, 304.911 by changing the saturation by 10% instead.





 70, 56.280,  
304.911


 70, 56.280,  
304.911


 100, 56.280,  
304.911


 60, 56.280,  
304.911


 90, 56.280,  
304.911

 50, 56.280,  
304.911

 40, 56.280,  
304.911

 30, 56.280,  
304.911

 20, 56.280,  
304.911

 10, 56.280,  
304.911

 0, 56.280, 304.911

70, 56.280,  
304.911

70, 56.280,  
304.911

63, 71.338,  
305.828

78, 41.285,  
304.087

56, 86.496,  
306.745

85, 26.835,  
303.326

49, 101.047,  
307.594

93, 12.867,  
302.649

43, 113.974,  
308.236

100, 0.012,  
296.813

39, 123.862,  
308.492

36, 129.756,  
308.260

36, 129.991,  
308.248

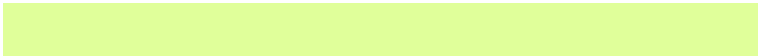
# Harmonies

# Complementary

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



70, 56.280, 304.911



96, 51.683, 119.811

# Rectangle

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



70, 56.280, 304.911



70, 56.280, 354.911



70, 56.280, 124.911



70, 56.280, 174.911

# Sweetspot

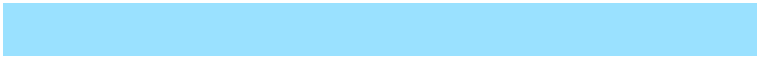
The Sweet Spot groups the original color and five complimentary colors.



70, 56.165, 304.927



91, 16.271, 302.809



86, 26.072, 236.077



47, 10.817, 302.895



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, 56.165, 304.927



64, 67.484, 305.597



75, 59.983, 320.555



49, 7.676, 302.647



26, 104.485, 308.405



5, 44.767, 307.888





# Inverse Universe

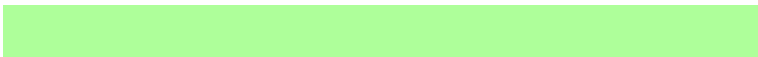
The Inverse Universe completely reimagines the original color for something new.



76, 50.852, 337.626



72, 59.830, 338.310



93, 58.967, 136.580



50, 7.300, 335.224



42, 73.958, 345.508

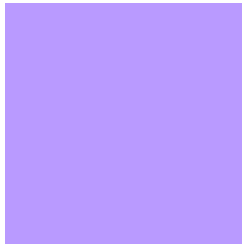


11, 34.855, 342.822



# Previews

## White Background



This preview shows how the CIELCh color 70, 56.280, 304.911 looks on a white background.

## Color Contrast Check

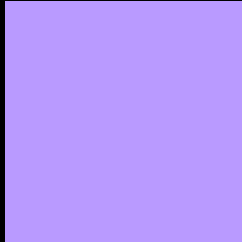
Large Text (above 18pt) WCAG AA × Fail

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, 56.280, 304.911 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

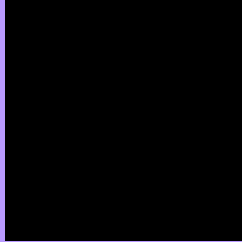
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 56.280, 304.911

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 56.280, 304.911.



This preview shows how white text looks on a background with the CIELCh color 70, 56.280, 304.911.

# 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, 56.280, 304.911

### Protanopia

70, 47.866, 285.558

### Deuteranopia

70, 45.366, 282.592



**Tritanopia**  
70, 7.141, 293.826



# Trichromacy



**Original Color**  
70, 56.280, 304.911

**Protanomaly**  
70, 50.373, 292.978

**Deuteranomaly**  
70, 48.733, 291.733

**Tritanomaly**  
70, 25.139, 302.017

# Monochromacy



**Original Color**  
70, 56.280, 304.911

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 20.777, 303.801

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 56.280, 304.911 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(185, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 154, 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(185, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 154, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 56.280, 304.911 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(185, 154, 255) }
```

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

```
.border{ border-color:rgb(185, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 154,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 56.280, 304.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 154, 255) }
```

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

```
.background{ background-color: rgb(185,  
154, 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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