

# Converting Colors

CIELCh(71, 61.384, 303.388)

Have a look what the booklet for  
CIELCh(71, 61.384, 303.388)  
contains.

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**Color**

**CIELCh(70, 55.007, 304.078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B79BFE
RGB	183, 155, 254
RGB Percent	72%, 61%, 100%
CMY	0.2818, 0.3914, 0.0035
CMYK	0.28, 0.39, 0.00, 0.00
HSL	257°, 98%, 80%
HSV	257°, 39%, 100%
XYZ	49.2177, 40.7494, 99.1240
YIQ	174.6580, -15.0910, 36.7250

# Conversions

## Conversions Part 2

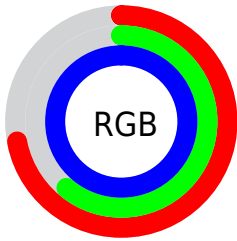
Format	Color
R <sub>Y</sub> B	183, 155, 254
Decimal	12033022
CIE Lab	70.00, 30.82, -45.56
CIE LCh	70, 55.007, 304.078
Yxy	40.7494, 0.2603, 0.2155
Android (android.graphics.Color)	4290223102 (0xFFB79BFE)
YUV	174.6580, 39.1156, 7.3159
Hunter-Lab	63.8353, 25.9138, -47.3814

# Details

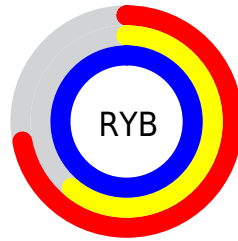
The CIELCh color **70, 55.007, 304.078** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **96, 50.552, 118.812**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 25.925, 316.128**, and **50, 55.468, 304.359** is the 20% darker color. If you saturate the color by 10%, you get **63, 70.157, 305.039**, and if you desaturate by 10%, it is **78, 40.190, 303.191**.

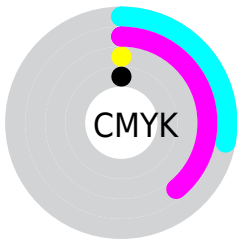
# Distribution



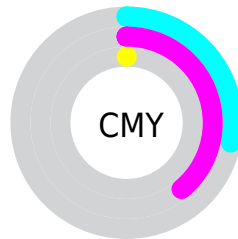
- Red (72%)
- Green (61%)
- Blue (100%)



- Red (72%)
- Yellow (61%)
- Blue (100%)



- Cyan (28%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (39%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 55.007, 304.078 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, 55.007, 304.078 by changing the saturation by 10% instead.





 70, 55.007,  
304.078


 70, 55.007,  
304.078


 100, 55.007,  
304.078


 60, 55.007,  
304.078


 90, 55.007,  
304.078

 50, 55.007,  
304.078

 40, 55.007,  
304.078

 30, 55.007,  
304.078

 20, 55.007,  
304.078

 10, 55.007,  
304.078

 0, 55.007, 304.078

70, 55.007,  
304.078

70, 55.007,  
304.078

63, 70.157,  
305.039

78, 40.190,  
303.191

55, 85.366,  
306.031

85, 25.831,  
302.395

49, 100.068,  
306.973

93, 11.968,  
301.691

43, 113.264,  
307.725

100, 0.443,  
109.970

38, 123.508,  
308.098

35, 129.645,  
307.959

35, 130.184,  
307.940

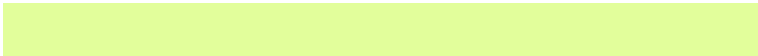
# Harmonies

# Complementary

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



70, 55.007, 304.078



96, 50.552, 118.812

# Rectangle

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



70, 55.007, 304.078



70, 55.007, 354.078



70, 55.007, 124.078



70, 55.007, 174.078

# Sweetspot

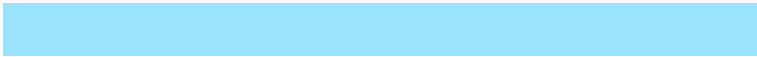
The Sweet Spot groups the original color and five complimentary colors.



70, 55.006, 304.078



91, 16.219, 301.898



87, 25.566, 231.162



47, 10.783, 301.989



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, 55.006, 304.078



64, 67.412, 304.850



75, 58.542, 319.498



49, 7.651, 301.730



25, 104.928, 308.086



4, 44.721, 307.305





# Inverse Universe

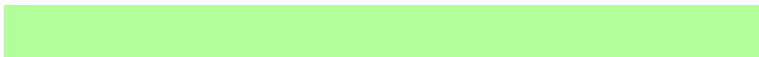
The Inverse Universe completely reimagines the original color for something new.



76, 50.810, 336.463



72, 60.821, 337.161



93, 57.337, 135.706



50, 7.432, 334.203



43, 75.162, 343.666

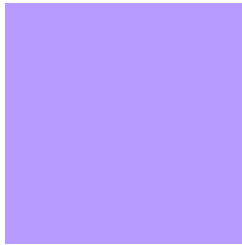


11, 35.389, 341.304



# Previews

## White Background



This preview shows how the CIELCh color 70, 55.007, 304.078 looks on a white background.

## Color Contrast Check

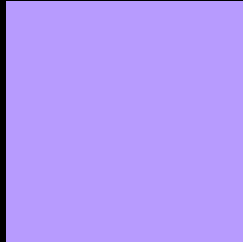
Large Text (above 18pt) WCAG AA × Fail

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, 55.007, 304.078 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

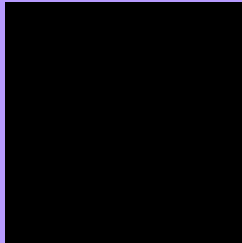
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 55.007, 304.078

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 55.007, 304.078.



This preview shows how white text looks on a background with the CIELCh color 70, 55.007, 304.078.

# 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, 55.060, 304.091

### Protanopia

70, 47.866, 285.558

### Deuteranopia

70, 44.843, 282.368



**Tritanopia**  
70, 7.677, 288.237



# Trichromacy



**Original Color**  
70, 55.060, 304.091

**Protanomaly**  
70, 50.380, 292.658

**Deuteranomaly**  
70, 47.632, 290.846

**Tritanomaly**  
70, 24.420, 299.789

# Monochromacy



**Original Color**  
70, 55.060, 304.091

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 20.085, 302.113

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 55.007, 304.078 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(183, 155, 254)` looks like.

```
.text, #text, p{  
    color:rgb(183, 155, 254)  
}
```

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(183, 155, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 155, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 55.007, 304.078 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(183, 155, 254) }
```

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

```
.border{ border-color:rgb(183, 155, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 155, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 155, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 155, 254);  
box-shadow:4px 4px 4px 4px rgb(183, 155,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 55.007, 304.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 155, 254) }
```

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

```
.background{ background-color: rgb(183,  
155, 254) }
```

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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