

Converting Colors

CIELCh(70, 68.526, 299.156)

Have a look what the booklet for
CIELCh(70, 68.526, 299.156)
contains.

CIELCh(69, 55.189, 299.057)	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(69, 55.189, 299.057)

Conversions

Conversions Part 1

Format	Color
Hex	A89CFF
RGB	168, 156, 255
RGB Percent	66%, 61%, 100%
CMY	0.3413, 0.3886, 0.0000
CMYK	0.34, 0.39, 0.00, 0.00
HSL	247°, 100%, 81%
HSV	247°, 39%, 100%
XYZ	46.2183, 39.3444, 100.6005
YIQ	170.8740, -24.6270, 33.3330

Conversions

Conversions Part 2

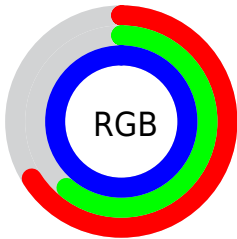
Format	Color
R _Y B	168, 156, 255
Decimal	11050239
CIE Lab	69.00, 26.80, -48.24
CIE LCh	69, 55.189, 299.057
Yxy	39.3444, 0.2483, 0.2113
Android (android.graphics.Color)	4289240319 (0xFFA89CFF)
YUV	170.8740, 41.4741, -2.5205
Hunter-Lab	62.7251, 21.7569, -51.1836

Details

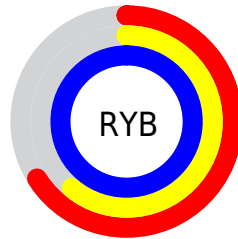
The CIELCh color **69, 55.189, 299.057** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **97, 49.569, 111.891**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 23.645, 303.539**, and **49, 54.559, 298.839** is the 20% darker color. If you saturate the color by 10%, you get **61, 70.056, 300.513**, and if you desaturate by 10%, it is **77, 39.778, 297.773**.

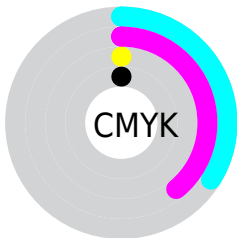
Distribution



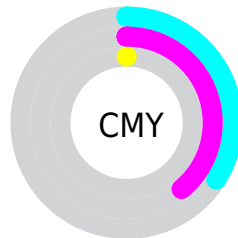
- Red (66%)
- Green (61%)
- Blue (100%)



- Red (66%)
- Yellow (61%)
- Blue (100%)



- Cyan (34%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 55.189, 299.057 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 69, 55.189, 299.057 by changing the saturation by 10% instead.

■ 69, 55.189,
299.057

■ 69, 55.189,
299.057

■ 100, 55.189,
299.057

■ 59, 55.189,
299.057

■ 89, 55.189,
299.057

■ 49, 55.189,
299.057

■ 99, 55.189,
299.057

■ 39, 55.189,
299.057

■ 29, 55.189,
299.057

■ 19, 55.189,
299.057

■ 9, 55.189, 299.057

■ 0, 55.189, 299.057

■ 69, 55.189,
299.057

■ 69, 55.189,
299.057

■ 61, 70.056,
300.513

■ 77, 39.778,
297.773

■ 54, 85.762,
302.093

■ 85, 25.473,
296.655

■ 46, 101.240,
303.704

■ 93, 11.736,
295.694

■ 40, 115.371,
305.159

■ 100, 0.012,
296.813

■ 36, 126.336,
306.189

■ 33, 132.524,
306.598

■ 33, 133.062,
306.636

Harmonies

Complementary

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



69, 55.189, 299.057



97, 49.569, 111.891

Rectangle

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



69, 55.189, 299.057



69, 55.189, 349.057



69, 55.189, 119.057



69, 55.189, 169.057

Sweetspot

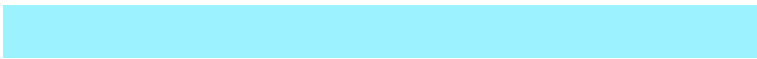
The Sweet Spot groups the original color and five complimentary colors.



69, 54.659, 299.060



90, 15.983, 295.980



91, 27.245, 210.610



47, 10.629, 296.103



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 54.659, 299.060



63, 67.153, 300.230



73, 57.131, 314.769



49, 7.536, 295.751



24, 107.046, 306.712



4, 44.404, 304.116

Inverse Universe

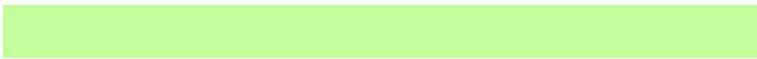
The Inverse Universe completely reimagines the original color for something new.



77, 56.741, 330.282



73, 67.747, 330.776



94, 54.877, 131.196



50, 8.330, 328.477



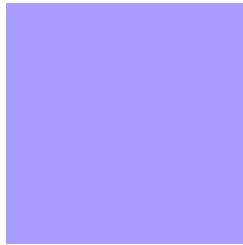
44, 84.595, 333.772



12, 39.365, 333.026

Previews

White Background



This preview shows how the CIELCh color 69, 55.189, 299.057 looks on a white background.

Color Contrast Check

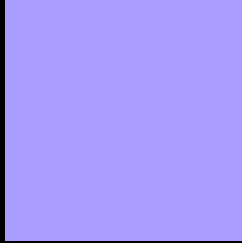
Large Text (above 18pt) WCAG AA × Fail

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 69, 55.189, 299.057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

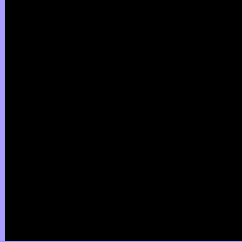
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 55.189, 299.057

Background



This preview shows how black text looks on a background with the CIELCh color 69, 55.189, 299.057.



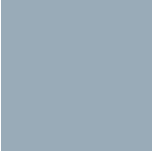
This preview shows how white text looks on a background with the CIELCh color 69, 55.189, 299.057.

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
69, 9.448, 248.343

Trichromacy



Original Color
69, 54.596, 299.039

Protanomaly
69, 51.057, 290.600

Deuteranomaly
69, 50.050, 288.507

Tritanomaly
69, 24.264, 286.279

Monochromacy



Original Color
69, 54.596, 299.039

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 19.856, 296.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 55.189, 299.057 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(168, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 156, 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(168, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 156, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 55.189, 299.057 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(168, 156, 255) }
```

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

```
.border{ border-color:rgb(168, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 156,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 55.189, 299.057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 156, 255) }
```

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

```
.background{ background-color: rgb(168,  
156, 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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