

Converting Colors

CIELCh(70, 49.647, 291.125)

Have a look what the booklet for
CIELCh(70, 49.647, 291.125)
contains.

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Color

CIELCh(70, 49.833, 291.268)

Conversions

Conversions Part 1

Format	Color
Hex	99A4FF
RGB	153, 164, 255
RGB Percent	60%, 64%, 100%
CMY	0.3984, 0.3553, 0.0000
CMYK	0.40, 0.36, 0.00, 0.00
HSL	234°, 100%, 80%
HSV	234°, 40%, 100%
XYZ	44.6778, 40.7494, 100.4773
YIQ	171.0850, -35.7670, 25.9690

Conversions

Conversions Part 2

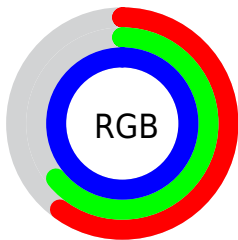
Format	Color
R_{YB}	153, 163, 255
Decimal	10069247
CIE _{Lab}	70.00, 18.08, -46.44
CIE _{LCh}	70, 49.833, 291.268
Yxy	40.7494, 0.2403, 0.2192
Android (android.graphics.Color)	4288259327 (0xFF99A4FF)
YUV	171.0850, 41.3701, -15.8605
Hunter-Lab	63.8353, 13.2191, -48.6383

Details

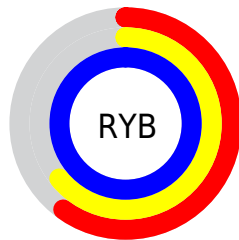
The CIELCh color **70, 49.833, 291.268** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95, 45.788, 101.082**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 18.982, 282.690**, and **50, 50.253, 291.581** is the 20% darker color. If you saturate the color by 10%, you get **63, 63.300, 293.338**, and if you desaturate by 10%, it is **78, 36.437, 289.406**.

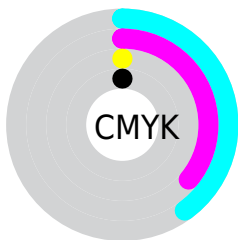
Distribution



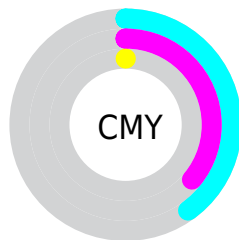
- Red (60%)
- Green (64%)
- Blue (100%)



- Red (60%)
- Yellow (64%)
- Blue (100%)



- Cyan (40%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 49.833, 291.268 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, 49.833, 291.268 by changing the saturation by 10% instead.

 70, 49.833,
291.268

 70, 49.833,
291.268


 100, 49.833,
291.268

 60, 49.833,
291.268


 90, 49.833,
291.268

 50, 49.833,
291.268

 40, 49.833,
291.268

 30, 49.833,
291.268

 20, 49.833,
291.268

 10, 49.833,
291.268

 0, 49.833, 291.268

■ 70, 49.833,
291.268

■ 70, 49.833,
291.268

■ 63, 63.300,
293.338

■ 78, 36.437,
289.406

■ 55, 77.495,
295.727

■ 85, 23.778,
287.852

■ 48, 91.981,
298.321

■ 93, 11.586,
286.534

■ 42, 106.166,
300.947

■ 100, 0.012,
296.813

■ 37, 118.818,
303.324

■ 34, 128.196,
305.101

■ 34, 128.315,
305.123

Harmonies

Complementary

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



70, 49.833, 291.268



95, 45.788, 101.082

Rectangle

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



70, 49.833, 291.268



70, 49.833, 341.268



70, 49.833, 111.268



70, 49.833, 161.268

Sweetspot

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



70, 49.603, 291.228



91, 14.185, 286.800



94, 32.583, 186.496



47, 9.430, 286.966



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, 49.603, 291.228



64, 60.744, 292.928



70, 56.971, 307.357



49, 6.692, 286.494



25, 102.350, 304.848



5, 40.692, 299.794

Inverse Universe

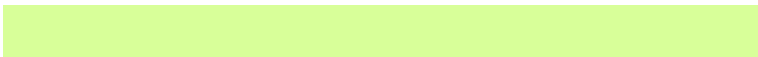
The Inverse Universe completely reimagines the original color for something new.



74, 40.599, 15.246



69, 49.770, 16.871



95, 52.887, 122.821



50, 5.297, 11.241



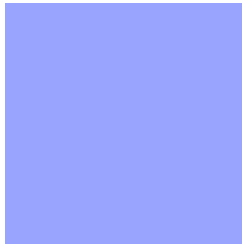
40, 79.590, 35.538



10, 32.547, 22.781

Previews

White Background



This preview shows how the CIELCh color 70, 49.833, 291.268 looks on a white background.

Color Contrast Check

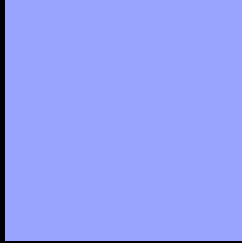
Large Text (above 18pt) WCAG AA × Fail

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, 49.833, 291.268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

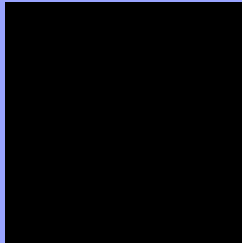
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 49.833, 291.268

Background



This preview shows how black text looks on a background with the CIELCh color 70, 49.833, 291.268.



This preview shows how white text looks on a background with the CIELCh color 70, 49.833, 291.268.

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, 49.833, 291.268

Protanopia

70, 47.866, 285.558

Deuteranopia

70, 46.540, 282.104



Tritanopia
70, 15.061, 229.302

Trichromacy



Original Color
70, 49.833, 291.268

Protanomaly
70, 48.270, 287.634

Deuteranomaly
70, 47.337, 285.380

Tritanomaly
70, 24.382, 270.739

Monochromacy



Original Color
70, 49.833, 291.268

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 18.113, 287.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 49.833, 291.268 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(153, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 164, 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(153, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 164, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 49.833, 291.268 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(153, 164, 255) }
```

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

```
.border{ border-color:rgb(153, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 164,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 49.833, 291.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 164, 255) }
```

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

```
.background{ background-color: rgb(153,  
164, 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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