

Converting Colors

CIELCh(71, 29.213, 296.542)

Have a look what the booklet for
CIELCh(71, 29.213, 296.542)
contains.

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Color

CIELCh(71, 29.112, 296.891)

Conversions

Conversions Part 1

Format	Color
Hex	AEA8DD
RGB	174, 168, 221
RGB Percent	68%, 66%, 87%
CMY	0.3179, 0.3414, 0.1336
CMYK	0.21, 0.24, 0.00, 0.13
HSL	247°, 44%, 76%
HSV	247°, 24%, 87%
XYZ	44.4718, 42.1875, 74.1553
YIQ	175.8360, -13.4370, 17.7550

Conversions

Conversions Part 2

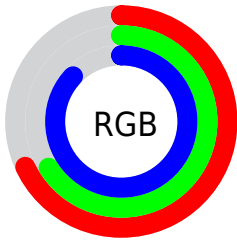
Format	Color
RYB	174, 168, 221
Decimal	11446493
CIELab	71.00, 13.17, -25.96
CIELCh	71, 29.112, 296.891
Yxy	42.1875, 0.2765, 0.2623
Android (android.graphics.Color)	4289636573 (0xFFFAEA8DD)
YUV	175.8360, 22.2659, -1.6102
Hunter-Lab	64.9519, 8.5511, -22.2248

Details

The CIELCh color `71, 29.112, 296.891` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `86, 27.543, 112.707`, and the grayscale version is `72, 0.009, 296.813`.

A 20% lighter version of the original color is `90, 16.860, 299.607`, and `51, 29.284, 297.104` is the 20% darker color. If you saturate the color by 10%, you get `64, 42.096, 298.103`, and if you desaturate by 10%, it is `78, 16.637, 295.844`.

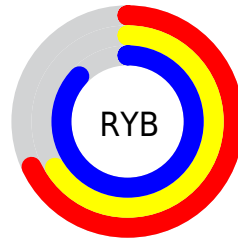
Distribution



Red (68%)

Green (66%)

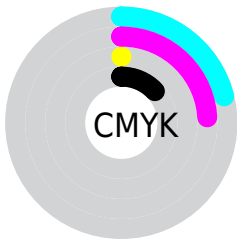
Blue (87%)



Red (68%)

Yellow (66%)

Blue (87%)

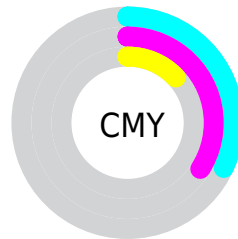


Cyan (21%)

Magenta (24%)

Yellow (0%)

Black (13%)



Cyan (32%)


Magenta (34%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 29.112, 296.891 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, 29.112, 296.891 by changing the saturation by 10% instead.


 71, 29.112,
296.891


 71, 29.112,
296.891


 100, 29.112,
296.891


 61, 29.112,
296.891


 91, 29.112,
296.891

 51, 29.112,
296.891

 41, 29.112,
296.891

 31, 29.112,
296.891

 21, 29.112,
296.891

 11, 29.112,
296.891

 1, 29.112, 296.891

■ 0, 29.112, 296.891

■ 71, 29.112,
296.891

■ 71, 29.112,
296.891

■ 64, 42.096,
298.103

■ 78, 16.637,
295.844

■ 57, 55.581,
299.488

■ 85, 4.656, 294.949

■ 50, 69.467,
301.029

■ 92, 6.862, 114.172

■ 43, 83.463,
302.667

■ 99, 17.270,
112.154

■ 37, 96.889,
304.265

■ 99, 17.231,
108.875

■ 32, 108.459,
305.595

■ 29,116.411,
306.379

■ 28,119.413,
306.629

Harmonies

Complementary

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



71, 29.112, 296.891



86, 27.543, 112.707

Rectangle

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



71, 29.112, 296.891



71, 29.112, 346.891



71, 29.112, 116.891



71, 29.112, 166.891

Sweetspot

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



71, 29.110, 296.890



94, 9.231, 295.208



83, 16.150, 208.388



50, 6.004, 295.261



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, 29.110, 296.890



77, 39.962, 297.505



73, 30.948, 313.530



42, 6.653, 295.418



21, 99.551, 306.700



2, 29.756, 297.695

Inverse Universe

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



75, 31.619, 329.082



82, 42.901, 329.398



85, 30.171, 131.410



43, 7.403, 328.200



40, 79.232, 333.294



7, 31.922, 332.261

Previews

White Background



This preview shows how the CIELCh color 71, 29.112, 296.891 looks on a white background.

Color Contrast Check

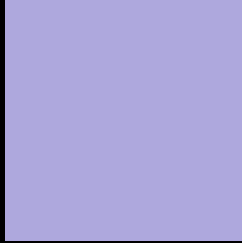
Large Text (above 18pt) WCAG AA × Fail

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, 29.112, 296.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

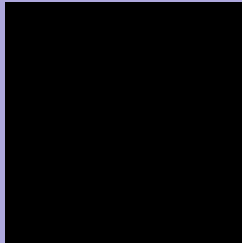
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 29.112, 296.891

Background



This preview shows how black text looks on a background with the CIELCh color 71, 29.112, 296.891.



This preview shows how white text looks on a background with the CIELCh color 71, 29.112, 296.891.

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

71, 29.112, 296.891

Protanopia

71, 28.541, 285.117

Deuteranopia

71, 27.341, 290.062



Tritanopia
71, 7.902, 275.088

Trichromacy



Original Color
71, 29.112, 296.891

Protanomaly
71, 28.421, 288.965

Deuteranomaly
71, 27.904, 292.874

Tritanomaly
71, 15.305, 289.058

Monochromacy



Original Color
71, 29.112, 296.891

Achromatopsia
72, 0.009, 296.813

Achromatomaly
71, 10.413, 295.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 29.112, 296.891 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(174, 168, 221)` looks like.

```
.text, #text, p{  
    color:rgb(174, 168, 221)  
}
```

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(174, 168, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 168, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 29.112, 296.891 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(174, 168, 221) }
```

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

```
.border{ border-color:rgb(174, 168, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 168, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 168, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 168, 221);  
box-shadow:4px 4px 4px 4px rgb(174, 168,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 29.112, 296.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 168, 221) }
```

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

```
.background{ background-color: rgb(174,  
168, 221) }
```

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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