

Converting Colors

CIELCh(72, 39.738, 311.724)

Have a look what the booklet for
CIELCh(72, 39.738, 311.724)
contains.

CIELCh(72, 39.738, 311.724)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 39.738, 311.724)

Conversions

Conversions Part 1

Format	Color
Hex	C7A2E7
RGB	199, 162, 231
RGB Percent	78%, 64%, 91%
CMY	0.2203, 0.3653, 0.0948
CMYK	0.14, 0.30, 0.00, 0.09
HSL	272°, 59%, 77%
HSV	272°, 30%, 91%
XYZ	50.7959, 43.6590, 81.2194
YIQ	180.9290, -0.0970, 29.3030

Conversions

Conversions Part 2

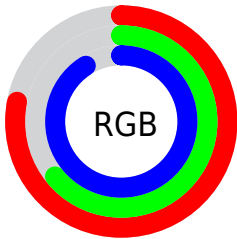
Format	Color
R _Y B	199, 162, 231
Decimal	13083367
CIE _{Lab}	72.00, 26.45, -29.66
CIE _{LCh}	72, 39.738, 311.724
Yxy	43.6590, 0.2891, 0.2485
Android (android.graphics.Color)	4291273447 (0xFFC7A2E7)
YUV	180.9290, 24.6850, 15.8483
Hunter-Lab	66.0750, 21.5927, -26.6268

Details

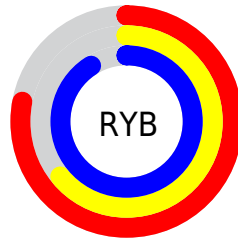
The CIELCh color $72, 39.738, 311.724$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $88, 38.239, 128.947$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 23.800, 325.253$, and $52, 39.599, 311.638$ is the 20% darker color. If you saturate the color by 10%, you get $66, 53.496, 312.236$, and if you desaturate by 10%, it is $78, 26.135, 311.221$.

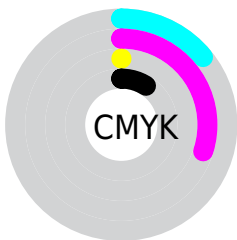
Distribution



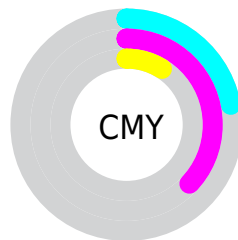
- Red (78%)
- Green (64%)
- Blue (91%)



- Red (78%)
- Yellow (64%)
- Blue (91%)



- Cyan (14%)
- Magenta (30%)
- Yellow (0%)
- Black (9%)





- Cyan (22%)
- Magenta (37%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 39.738, 311.724 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 72, 39.738, 311.724 by changing the saturation by 10% instead.


 72, 39.738,
311.724

 72, 39.738,
311.724


 100, 39.738,
311.724


 62, 39.738,
311.724


 92, 39.738,
311.724

 52, 39.738,
311.724

 42, 39.738,
311.724

 32, 39.738,
311.724

 22, 39.738,
311.724

 12, 39.738,
311.724

 2, 39.738, 311.724

0, 39.738, 311.724

72, 39.738,
311.724

72, 39.738,
311.724

66, 53.496,
312.236

78, 26.135,
311.221

59, 67.185,
312.729

85, 12.824,
310.743

54, 80.413,
313.156

92, 0.133, 131.404

48, 92.586,
313.448

98, 12.709,
129.935

44, 102.887,
313.510

99, 12.285,
113.712

40, 110.421,
313.234

99, 12.236,
109.253

■ 38,114.948,
312.598

■ 38,114.994,
312.591

Harmonies

Complementary

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



72, 39.738, 311.724



88, 38.239, 128.947

Rectangle

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



72, 39.738, 311.724



72, 39.738, 1.724



72, 39.738, 131.724



72, 39.738, 181.724

Sweetspot

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



72, 39.736, 311.724



94, 12.641, 310.704



77, 21.945, 263.723



49, 8.801, 310.772



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 39.736, 311.724



75, 52.199, 312.047



75, 43.044, 327.001



45, 7.328, 310.723



29, 94.716, 312.780



4, 35.847, 312.324

Inverse Universe

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



74, 30.822, 348.560



77, 40.310, 349.339



86, 43.044, 143.223



45, 5.715, 346.420



38, 64.616, 5.343



7, 27.293, 357.696

Previews

White Background



This preview shows how the CIELCh color 72, 39.738, 311.724 looks on a white background.

Color Contrast Check

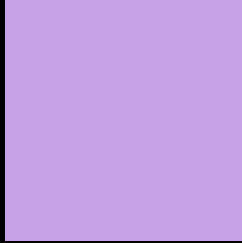
Large Text (above 18pt) WCAG AA × Fail

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 72, 39.738, 311.724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

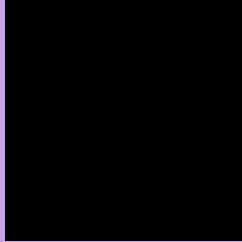
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 39.738, 311.724

Background



This preview shows how black text looks on a background with the CIELCh color 72, 39.738, 311.724.



This preview shows how white text looks on a background with the CIELCh color 72, 39.738, 311.724.

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

72, 39.738, 311.724

Protanopia

72, 36.095, 285.728

Deuteranopia

72, 29.986, 288.092



Tritanopia
72, 10.324, 337.096

Trichromacy



Original Color
72, 39.738, 311.724

Protanomaly
72, 36.572, 295.116

Deuteranomaly
72, 32.886, 297.826

Tritanomaly
72, 20.360, 319.157

Monochromacy



Original Color
72, 39.738, 311.724

Achromatopsia
74, 0.009, 296.813

Achromatomaly
73, 14.446, 310.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 39.738, 311.724 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(199, 162, 231)` looks like.

```
.text, #text, p{  
    color:rgb(199, 162, 231)  
}
```

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(199, 162, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 162, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 39.738, 311.724 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(199, 162, 231) }
```

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

```
.border{ border-color:rgb(199, 162, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 162, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 162, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 162, 231);  
box-shadow:4px 4px 4px 4px rgb(199, 162,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 39.738, 311.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 162, 231) }
```

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

```
.background{ background-color: rgb(199,  
162, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor