

Converting Colors

CIELCh(67, 39.434, 303.498)

Have a look what the booklet for
CIELCh(67, 39.434, 303.498)
contains.

CIELCh(67, 39.434, 303.498)	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(67, 39.434, 303.498)

Conversions

Conversions Part 1

Format	Color
Hex	AC98DE
RGB	172, 152, 222
RGB Percent	67%, 60%, 87%
CMY	0.3244, 0.4029, 0.1283
CMYK	0.22, 0.31, 0.00, 0.13
HSL	257°, 52%, 73%
HSV	257°, 31%, 87%
XYZ	41.5663, 36.6320, 74.1851
YIQ	165.9600, -10.5500, 26.0100

Conversions

Conversions Part 2

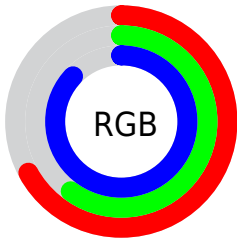
Format	Color
R _Y B	172, 152, 222
Decimal	11311326
CIE Lab	67.00, 21.76, -32.88
CIE LCh	67, 39.434, 303.498
Yxy	36.6320, 0.2728, 0.2404
Android (android.graphics.Color)	4289501406 (0xFFAC98DE)
YUV	165.9600, 27.6277, 5.2971
Hunter-Lab	60.5244, 16.6707, -30.3051

Details

The CIELCh color $67, 39.434, 303.498$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $86, 36.949, 119.391$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 26.930, 308.230$, and $47, 39.607, 303.243$ is the 20% darker color. If you saturate the color by 10%, you get $60, 52.806, 304.390$, and if you desaturate by 10%, it is $74, 26.446, 302.691$.

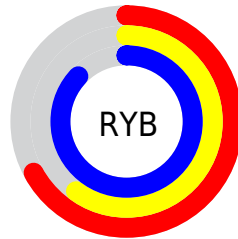
Distribution



Red (67%)

Green (60%)

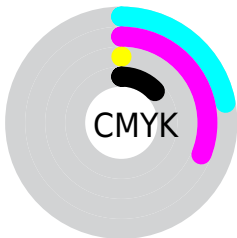
Blue (87%)



Red (67%)

Yellow (60%)

Blue (87%)

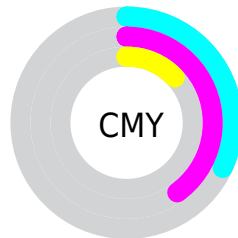


Cyan (22%)

Magenta (31%)

Yellow (0%)

Black (13%)



Cyan (32%)

Magenta (40%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 39.434, 303.498 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 67, 39.434, 303.498 by changing the saturation by 10% instead.

 67, 39.434,
303.498

 67, 39.434,
303.498

 100, 39.434,
303.498

 57, 39.434,
303.498

 87, 39.434,
303.498

 47, 39.434,
303.498

 97, 39.434,
303.498

 37, 39.434,
303.498

 27, 39.434,
303.498

 17, 39.434,
303.498

 7, 39.434, 303.498

 0, 39.434, 303.498

67, 39.434,
303.498

67, 39.434,
303.498

60, 52.806,
304.390

74, 26.446,
302.691

54, 66.435,
305.347

81, 13.895,
301.975

47, 80.026,
306.320

88, 1.788, 301.326

41, 93.008,
307.218

94, 9.888, 120.813

99, 16.607,
113.149

36, 104.411,
307.893

99, 16.549,
108.926

33, 112.918,
308.156

30, 117.507,
308.042

Harmonies

Complementary

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



67, 39.434, 303.498



86, 36.949, 119.391

Rectangle

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



67, 39.434, 303.498



67, 39.434, 353.498



67, 39.434, 123.498



67, 39.434, 173.498

Sweetspot

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



67, 39.432, 303.498



93, 12.105, 301.814



79, 19.076, 232.434



49, 8.433, 301.911



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 39.432, 303.498



71, 53.779, 304.095



70, 42.656, 319.693



43, 6.890, 301.839



23, 98.502, 308.177



3, 32.266, 302.880

Inverse Universe

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



71, 36.991, 335.974



77, 49.677, 336.525



83, 41.992, 136.660



44, 6.676, 334.322



39, 70.575, 343.776



7, 29.649, 340.613

Previews

White Background



This preview shows how the CIELCh color 67, 39.434, 303.498 looks on a white background.

Color Contrast Check

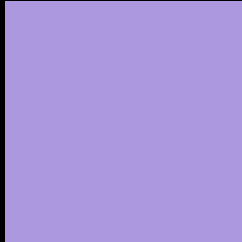
Large Text (above 18pt) WCAG AA × Fail

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 67, 39.434, 303.498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

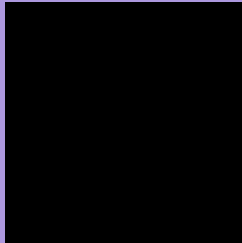
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 39.434, 303.498

Background



This preview shows how black text looks on a background with the CIELCh color 67, 39.434, 303.498.




This preview shows how white text looks on a background with the CIELCh color 67, 39.434, 303.498.

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
67, 6.688, 297.211

Trichromacy



Original Color
67, 39.434, 303.498

Protanomaly
67, 38.127, 291.634

Deuteranomaly
67, 34.830, 292.612

Tritanomaly
67, 19.157, 301.646

Monochromacy



Original Color
67, 39.434, 303.498

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 14.086, 301.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 39.434, 303.498 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(172, 152, 222)` looks like.

```
.text, #text, p{  
    color:rgb(172, 152, 222)  
}
```

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(172, 152, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 152, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 39.434, 303.498 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(172, 152, 222) }
```

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

```
.border{ border-color:rgb(172, 152, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 152, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 152, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 152, 222); box-shadow:4px 4px 4px 4px rgb(172, 152, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 39.434, 303.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 152, 222) }
```

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

```
.background{ background-color: rgb(172,  
152, 222) }
```

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