

Converting Colors

CIELCh(67, 10.844, 318.399)

Have a look what the booklet for
CIELCh(67, 10.844, 318.399)
contains.

CIELCh(67, 10.622, 318.138)	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(67, 10.622, 318.138)

Conversions

Conversions Part 1

Format	Color
Hex	AC9FB0
RGB	172, 159, 176
RGB Percent	67%, 62%, 69%
CMY	0.3260, 0.3770, 0.3104
CMYK	0.02, 0.10, 0.00, 0.31
HSL	286°, 10%, 66%
HSV	286°, 10%, 69%
XYZ	37.1787, 36.6320, 46.1116
YIQ	164.8250, 2.2910, 8.0430

Conversions

Conversions Part 2

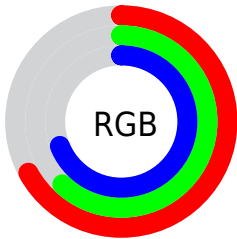
Format	Color
RYB	172, 159, 176
Decimal	11313072
CIELab	67.00, 7.91, -7.09
CIELCh	67, 10.622, 318.138
Yxy	36.6320, 0.3100, 0.3055
Android (android.graphics.Color)	4289503152 (0xFFAC9FB0)
YUV	164.8250, 5.5093, 6.2925
Hunter-Lab	60.5244, 3.7308, -2.8041

Details

The CIELCh color $67, 10.622, 318.138$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 10.551, 137.334$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 10.542, 316.740$, and $47, 10.643, 317.811$ is the 20% darker color. If you saturate the color by 10%, you get $62, 21.790, 318.580$, and if you desaturate by 10%, it is $72, 0.358, 138.237$.

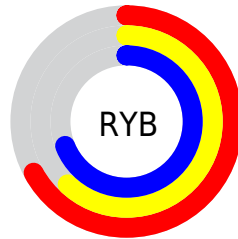
Distribution



Red (67%)

Green (62%)

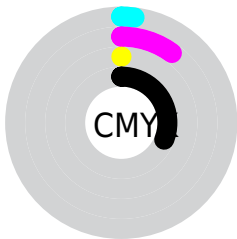
Blue (69%)



Red (67%)

Yellow (62%)

Blue (69%)

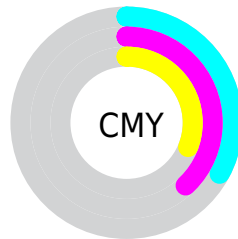


Cyan (2%)

Magenta (10%)

Yellow (0%)

Black (31%)



Cyan (33%)


Magenta (38%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 10.622, 318.138 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, 10.622, 318.138 by changing the saturation by 10% instead.

 67, 10.622,
318.138


 67, 10.622,
318.138


 100, 10.622,
318.138


 57, 10.622,
318.138


 87, 10.622,
318.138

 47, 10.622,
318.138

 97, 10.622,
318.138

 37, 10.622,
318.138

 27, 10.622,
318.138

 17, 10.622,
318.138

 7, 10.622, 318.138

 0, 10.622, 318.138

67, 10.622,
318.138

67, 10.622,
318.138

62, 21.790,
318.580

72, 0.358, 138.237

57, 33.045,
319.015

77, 11.081,
137.345

53, 44.215,
319.429

82, 21.518,
136.959

49, 55.041,
319.796

87, 31.656,
136.606

45, 65.160,
320.081

92, 41.495,
136.282

41, 74.101,
320.239

95, 45.592,
135.328

38, 81.338,
320.222

95, 44.877,
133.750

36, 86.412,

95, 44.192,
132.099

319.979

95, 43.542,
130.377

35, 89.497,
319.528

Harmonies

Complementary

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



67, 10.622, 318.138



70, 10.551, 137.334

Rectangle

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



67, 10.622, 318.138



67, 10.622, 8.138



67, 10.622, 138.138



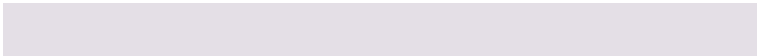
67, 10.622, 188.138

Sweetspot

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



67, 10.620, 318.137



89, 4.072, 317.819



67, 7.182, 278.438



47, 3.085, 317.863



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



67, 10.620, 318.137



84, 16.413, 318.250



67, 9.560, 332.929



34, 6.149, 318.120



29, 79.832, 319.611



2, 12.606, 315.241

Inverse Universe

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



67, 6.914, 1.437



84, 10.725, 1.712



70, 9.521, 151.726



34, 4.001, 1.398



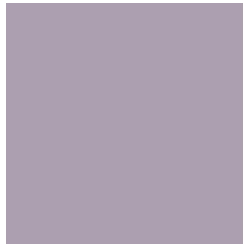
31, 60.854, 25.686



2, 8.128, 3.863

Previews

White Background



This preview shows how the CIELCh color 67, 10.622, 318.138 looks on a white background.

Color Contrast Check

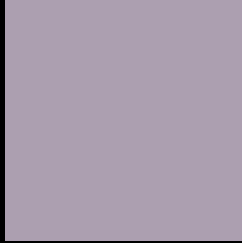
Large Text (above 18pt) WCAG AA × Fail

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, 10.622, 318.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

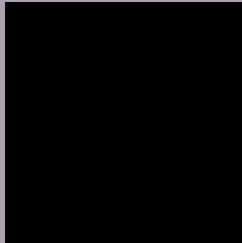
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 10.622, 318.138

Background



This preview shows how black text looks on a background with the CIELCh color 67, 10.622, 318.138.



This preview shows how white text looks on a background with the CIELCh color 67, 10.622, 318.138.

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


67, 10.622, 318.138

Protanopia

67, 8.847, 291.094

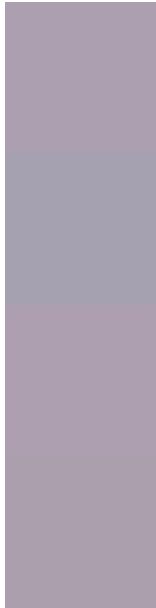
Deuteranopia

67, 11.471, 320.239



Tritanopia
67, 8.526, 322.704

Trichromacy



Original Color
67, 10.622, 318.138

Protanomaly
67, 9.067, 302.782

Deuteranomaly
67, 11.471, 320.239

Tritanomaly
67, 8.997, 320.839

Monochromacy



Original Color
67, 10.622, 318.138

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 3.660, 314.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 10.622, 318.138 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, 159, 176)` looks like.

```
.text, #text, p{  
    color:rgb(172, 159, 176)  
}
```

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, 159, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 159, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 10.622, 318.138 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, 159, 176) }
```

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

```
.border{ border-color:rgb(172, 159, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 159, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 159, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 159, 176);  
box-shadow:4px 4px 4px 4px rgb(172, 159,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 10.622, 318.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 159, 176) }
```

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

```
.background{ background-color: rgb(172,  
159, 176) }
```

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