

Converting Colors

CIELCh(67, 5.812, 198.442)

Have a look what the booklet for
CIELCh(67, 5.812, 198.442) contains.

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Color

CIELCh(67, 5.916, 198.971)

Conversions

Conversions Part 1

Format	Color
Hex	96A6A6
RGB	150, 166, 166
RGB Percent	59%, 65%, 65%
CMY	0.4108, 0.3480, 0.3480
CMYK	0.10, 0.00, 0.00, 0.35
HSL	180°, 8%, 62%
HSV	180°, 10%, 65%
XYZ	33.2096, 36.6320, 41.5158
YIQ	161.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

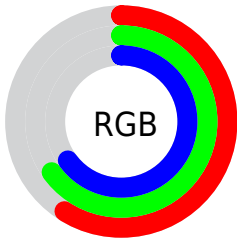
Format	Color
RYB	150, 158, 166
Decimal	9873062
CIELab	67.00, -5.59, -1.92
CIElCh	67, 5.916, 198.971
Yxy	36.6320, 0.2982, 0.3290
Android (android.graphics.Color)	4288063142 (0xFF96A6A6)
YUV	161.2160, 2.3585, -9.8364
Hunter-Lab	60.5244, -7.9751, 1.6979

Details

The CIELCh color **67, 5.916, 198.971** is a light color, and the websafe version is hex **999999**. A complement of this color would be **64, 6.280, 19.919**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 5.986, 199.082**, and **47, 5.891, 198.794** is the 20% darker color. If you saturate the color by 10%, you get **66, 11.729, 198.417**, and if you desaturate by 10%, it is **68, 0.236, 17.370**.

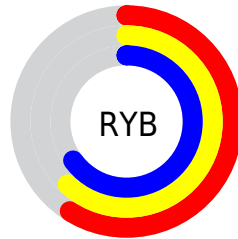
Distribution



Red (59%)

Green (65%)

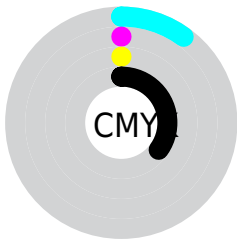
Blue (65%)



Red (59%)

Yellow (62%)

Blue (65%)

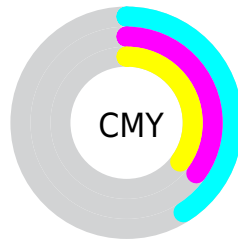


Cyan (10%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (41%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 5.916, 198.971 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, 5.916, 198.971 by changing the saturation by 10% instead.

67, 5.916, 198.971

67, 5.916, 198.971

100, 5.916,
198.971

57, 5.916, 198.971

87, 5.916, 198.971

47, 5.916, 198.971

97, 5.916, 198.971

37, 5.916, 198.971

27, 5.916, 198.971

17, 5.916, 198.971

7, 5.916, 198.971

0, 5.916, 198.971

67, 5.916, 198.971

67, 5.916, 198.971

66, 11.729,

68, 0.236, 17.370

198.417

70, 6.640, 19.907

65, 17.106,
197.950

71, 13.220, 20.531

64, 21.950,
197.540

73, 19.911, 21.148

63, 26.167,
197.190

75, 26.661, 21.767

63, 29.681,
196.903

77, 35.465, 22.573

62, 32.439,
196.680

77, 35.464, 22.571

62, 34.427,
196.520

77, 35.464, 22.568

62, 35.675,
196.420

62, 36.363,
196.363

Harmonies

Complementary

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



67, 5.916, 198.971



64, 6.280, 19.919

Rectangle

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



67, 5.916, 198.971



67, 5.916, 248.971



67, 5.916, 18.971



67, 5.916, 68.971

Sweetspot

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



67, 5.917, 198.957



86, 2.323, 199.477



67, 10.756, 143.475



46, 1.772, 199.383



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



67, 5.917, 198.957



85, 9.091, 198.807



65, 5.225, 254.867



35, 3.516, 198.977



55, 33.391, 196.362



5, 6.572, 199.402

Inverse Universe

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



64, 6.280, 19.919



79, 9.812, 20.123



66, 5.355, 72.401



33, 3.724, 19.893



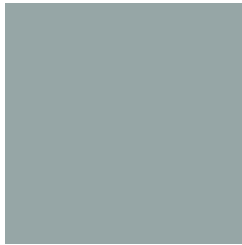
30, 69.021, 39.353



1, 6.572, 19.393

Previews

White Background



This preview shows how the CIELCh color 67, 5.916, 198.971 looks on a white background.

Color Contrast Check

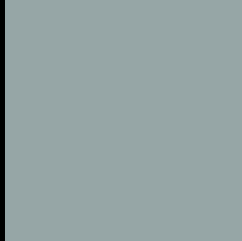
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 5.916, 198.971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

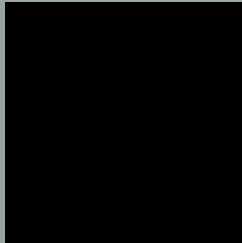
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

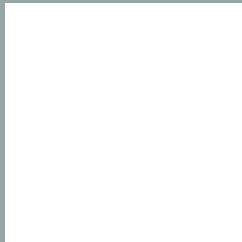
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 5.916, 198.971

Background



This preview shows how black text looks on a background with the CIELCh color 67, 5.916, 198.971.

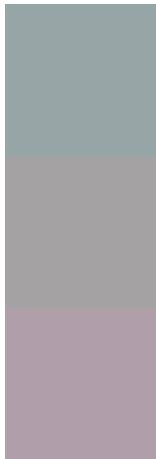


This preview shows how white text looks on a background with the CIELCh color 67, 5.916, 198.971.

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](#).

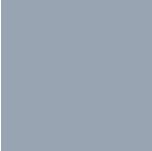
Dichromacy



Original Color
67, 5.916, 198.971

Protanopia
67, 1.602, 335.601

Deuteranopia
67, 8.827, 341.536



Tritanopia
67, 8.764, 261.500

Trichromacy



Original Color
67, 5.916, 198.971

Protanomaly
67, 1.595, 219.842

Deuteranomaly
67, 4.044, 324.579

Tritanomaly
67, 7.021, 244.368

Monochromacy



Original Color
67, 5.916, 198.971

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 2.257, 199.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 5.916, 198.971 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(150, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(150, 166, 166)  
}
```

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(150, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 166, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 5.916, 198.971 is called "border". The border property can be set on classes, ids or directly on the HTML element.

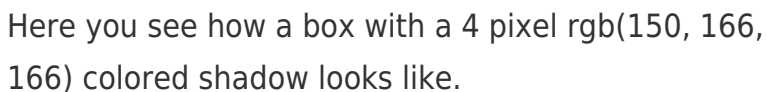
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 166, 166) }
```

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

```
.border{ border-color:rgb(150, 166, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(150, 166, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 166, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 166, 166); box-shadow:4px 4px 4px 4px rgb(150, 166, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 5.916, 198.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 166, 166) }
```

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

```
.background{ background-color: rgb(150,  
166, 166) }
```

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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