

Converting Colors

CIELCh(68, 10.056, 149.700)

Have a look what the booklet for
CIELCh(68, 10.056, 149.700)
contains.

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Color

CIECh(68, 10.113, 149.114)

Conversions

Conversions Part 1

Format	Color
Hex	99AA9C
RGB	153, 170, 156
RGB Percent	60%, 67%, 61%
CMY	0.3996, 0.3329, 0.3878
CMYK	0.10, 0.00, 0.08, 0.33
HSL	131°, 9%, 63%
HSV	131°, 10%, 67%
XYZ	33.5576, 37.9720, 37.0565
YIQ	163.3210, -5.6380, -7.9580

Conversions

Conversions Part 2

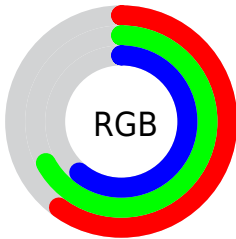
Format	Color
RYB	153, 167, 170
Decimal	10070684
CIELab	68.00, -8.68, 5.19
CIELCh	68, 10.113, 149.114
Yxy	37.9720, 0.3090, 0.3497
Android (android.graphics.Color)	4288260764 (0xFF99AA9C)
YUV	163.3210, -3.6093, -9.0515
Hunter-Lab	61.6215, -10.6305, 7.4805

Details

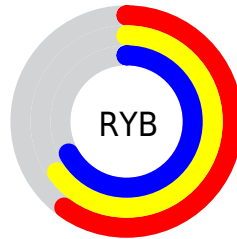
The CIELCh color **68, 10.113, 149.114** is a light color, and the websafe version is hex **999999**. A complement of this color would be **65, 10.143, 330.292**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 10.222, 148.918**, and **48, 10.109, 149.261** is the 20% darker color. If you saturate the color by 10%, you get **67, 20.317, 148.367**, and if you desaturate by 10%, it is **70, 0.012, 306.349**.

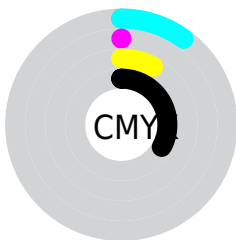
Distribution



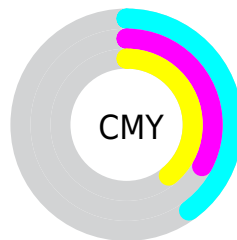
- Red (60%)
- Green (67%)
- Blue (61%)



- Red (60%)
- Yellow (65%)
- Blue (67%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)





- Cyan (40%)
- Magenta (33%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 10.113, 149.114 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 68, 10.113, 149.114 by changing the saturation by 10% instead.


 68, 10.113,
149.114


 68, 10.113,
149.114


 100, 10.113,
149.114


 58, 10.113,
149.114


 88, 10.113,
149.114

 48, 10.113,
149.114


 98, 10.113,
149.114

 38, 10.113,
149.114

 28, 10.113,
149.114

 18, 10.113,
149.114

 8, 10.113, 149.114

 0, 10.113, 149.114

68, 10.113,
149.114

68, 10.113,
149.114

67, 20.317,
148.367

70, 0.012, 306.349

65, 30.470,
147.511

71, 9.967, 330.239

64, 40.415,
146.523

73, 19.691,
330.728

63, 49.958,
145.388

75, 29.141,
331.148

62, 58.881,
144.099

78, 38.294,
331.515

62, 66.948,
142.669

80, 47.110,
331.781


61, 73.930,
141.138

80, 52.693,
326.527

61, 79.614,

80, 53.041,
326.254

139.579

 61, 83.927,
138.187

Harmonies

Complementary

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



68, 10.113, 149.114



65, 10.143, 330.292

Rectangle

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



68, 10.113, 149.114



68, 10.113, 199.114



68, 10.113, 329.114



68, 10.113, 19.114

Sweetspot

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



68, 10.115, 149.113



88, 3.744, 149.623



69, 9.363, 116.000



47, 2.864, 149.556



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 10.115, 149.113



86, 15.090, 148.955



68, 7.115, 172.846



35, 5.674, 149.164



53, 75.398, 138.370



5, 10.503, 148.906

Inverse Universe

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



65, 10.143, 330.292



82, 15.133, 330.433



65, 7.297, 354.565



33, 5.690, 330.247



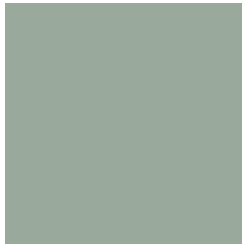
33, 67.260, 336.579



2, 9.913, 331.700

Previews

White Background



This preview shows how the CIELCh color 68, 10.113, 149.114 looks on a white background.

Color Contrast Check

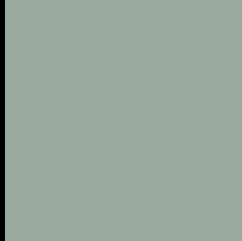
Large Text (above 18pt) WCAG AA × Fail

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 68, 10.113, 149.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

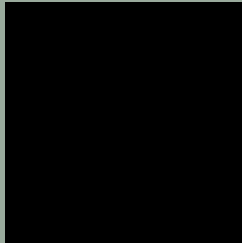
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

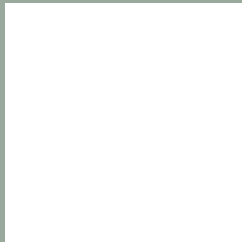
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 10.113, 149.114

Background



This preview shows how black text looks on a background with the CIELCh color 68, 10.113, 149.114.

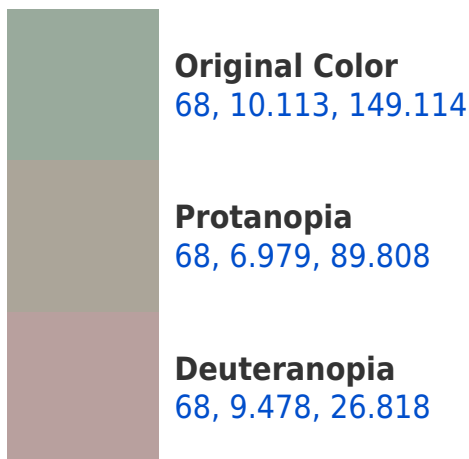


This preview shows how white text looks on a background with the CIELCh color 68, 10.113, 149.114.

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
68, 7.941, 263.905

Trichromacy



Original Color
68, 10.113, 149.114

Protanomaly
68, 7.232, 118.690

Deuteranomaly
68, 5.184, 67.278

Tritanomaly
68, 4.689, 219.821

Monochromacy



Original Color
68, 10.113, 149.114

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 4.264, 148.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 10.113, 149.114 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(153, 170, 156)` looks like.

```
.text, #text, p{  
    color:rgb(153, 170, 156)  
}
```

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(153, 170, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 170, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 10.113, 149.114 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(153, 170, 156) }
```

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

```
.border{ border-color:rgb(153, 170, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 170, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 170, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 170, 156);  
box-shadow:4px 4px 4px 4px rgb(153, 170,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 10.113, 149.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 170, 156) }
```

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

```
.background{ background-color: rgb(153,  
170, 156) }
```

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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