

Converting Colors

CIELCh(67, 13.815, 119.896)

Have a look what the booklet for
CIELCh(67, 13.815, 119.896)
contains.

CIELCh(67, 14.010, 120.173)	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, 14.010, 120.173)

Conversions

Conversions Part 1

Format	Color
Hex	9FA68D
RGB	159, 166, 141
RGB Percent	62%, 65%, 55%
CMY	0.3760, 0.3485, 0.4465
CMYK	0.04, 0.00, 0.15, 0.35
HSL	77°, 12%, 60%
HSV	77°, 15%, 65%
XYZ	32.8019, 36.6320, 30.5915
YIQ	161.0570, 3.8530, -9.2590

Conversions

Conversions Part 2

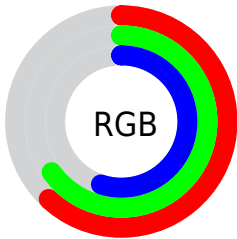
Format	Color
RYB	141, 166, 148
Decimal	10462861
CIELab	67.00, -7.04, 12.11
CIElCh	67, 14.010, 120.173
Yxy	36.6320, 0.3279, 0.3662
Android (android.graphics.Color)	4288652941 (0xFF9FA68D)
YUV	161.0570, -9.8881, -1.8040
Hunter-Lab	60.5244, -9.1774, 12.3994

Details

The CIELCh color **67, 14.010, 120.173** is a light color, and the websafe version is hex **999999**. A complement of this color would be **60, 14.425, 301.994**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 13.797, 119.935**, and **47, 13.840, 120.870** is the 20% darker color. If you saturate the color by 10%, you get **66, 23.254, 119.579**, and if you desaturate by 10%, it is **68, 4.702, 120.769**.

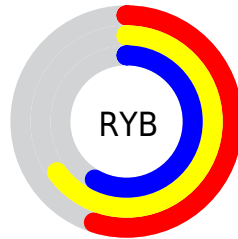
Distribution



Red (62%)

Green (65%)

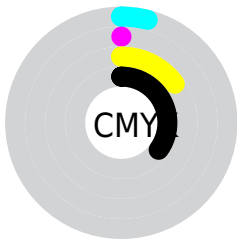
Blue (55%)



Red (55%)

Yellow (65%)

Blue (58%)

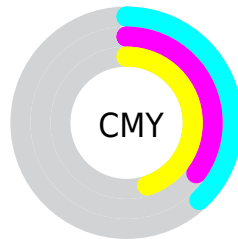


Cyan (4%)

Magenta (0%)

Yellow (15%)

Black (35%)



Cyan (38%)


Magenta (35%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 14.010, 120.173 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, 14.010, 120.173 by changing the saturation by 10% instead.


 67, 14.010,
120.173


 67, 14.010,
120.173


 100, 14.010,
120.173


 57, 14.010,
120.173


 87, 14.010,
120.173

 47, 14.010,
120.173


 97, 14.010,
120.173

 37, 14.010,
120.173

 27, 14.010,
120.173

 17, 14.010,
120.173

 7, 14.010, 120.173

 0, 14.010, 120.173

67, 14.010,
120.173

67, 14.010,
120.173

66, 23.254,
119.579

68, 4.702, 120.769

66, 32.347,
118.990

69, 4.620, 301.320

65, 41.171,
118.438

69, 13.914,
301.862

65, 49.549,
117.965

70, 23.152,
302.369

64, 57.221,
117.635

71, 32.313,
302.841

64, 63.833,
117.533

72, 41.381,
303.279

63, 68.977,
117.761

73, 49.071,
303.875

63, 72.348,

74, 49.294,
305.585

118.407

74, 49.556,
307.298

63, 73.678,
118.792

Harmonies

Complementary

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



67, 14.010, 120.173



60, 14.425, 301.994

Rectangle

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



67, 14.010, 120.173



67, 14.010, 170.173



67, 14.010, 300.173



67, 14.010, 350.173

Sweetspot

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



67, 14.012, 120.177



86, 5.778, 120.767



63, 8.249, 46.678



46, 3.975, 120.727



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, 14.012, 120.177



85, 20.791, 119.981



66, 15.737, 137.128



35, 5.326, 120.519



56, 67.596, 118.660



6, 9.865, 123.781

Inverse Universe

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



60, 14.425, 301.994



75, 21.543, 302.226



61, 15.875, 318.435



33, 5.427, 301.608



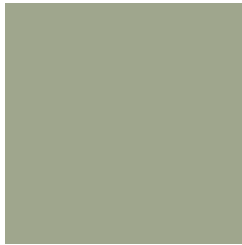
18, 86.623, 308.230



1, 9.710, 299.567

Previews

White Background



This preview shows how the CIELCh color 67, 14.010, 120.173 looks on a white background.

Color Contrast Check

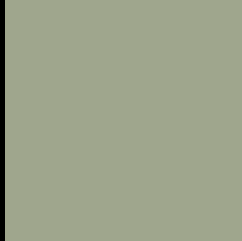
Large Text (above 18pt) WCAG AA × Fail

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, 14.010, 120.173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

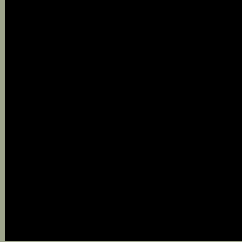
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 14.010, 120.173

Background



This preview shows how black text looks on a background with the CIELCh color 67, 14.010, 120.173.



This preview shows how white text looks on a background with the CIELCh color 67, 14.010, 120.173.

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, 14.010, 120.173

Protanopia

67, 13.159, 92.801

Deuteranopia

67, 14.143, 53.038



Tritanopia
67, 7.297, 299.661

Trichromacy



Original Color
67, 14.010, 120.173

Protanomaly
67, 13.226, 103.570

Deuteranomaly
67, 11.847, 76.111

Tritanomaly
67, 0.667, 144.741

Monochromacy



Original Color
67, 14.010, 120.173

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 5.102, 122.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 14.010, 120.173 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(159, 166, 141)` looks like.

```
.text, #text, p{  
    color:rgb(159, 166, 141)  
}
```

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(159, 166, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 166, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 14.010, 120.173 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(159, 166, 141) }
```

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

```
.border{ border-color:rgb(159, 166, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 166, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 166, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 166, 141);  
box-shadow:4px 4px 4px 4px rgb(159, 166,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 14.010, 120.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 166, 141) }
```

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

```
.background{ background-color: rgb(159,  
166, 141) }
```

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