

Converting Colors

CIELCh(67, 13.568, 122.279)

Have a look what the booklet for
CIELCh(67, 13.568, 122.279)
contains.

CIELCh(67, 13.568, 122.279)	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, 13.568, 122.279)

Conversions

Conversions Part 1

Format	Color
Hex	9EA68E
RGB	158, 166, 142
RGB Percent	62%, 65%, 56%
CMY	0.3793, 0.3479, 0.4421
CMYK	0.05, 0.00, 0.14, 0.35
HSL	80°, 12%, 61%
HSV	80°, 14%, 65%
XYZ	32.7446, 36.6320, 31.0425
YIQ	160.8720, 2.9360, -9.1600

Conversions

Conversions Part 2

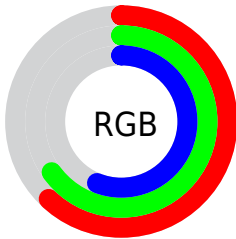
Format	Color
RYB	142, 166, 150
Decimal	10397326
CIELab	67.00, -7.25, 11.47
CIELCh	67, 13.568, 122.279
Yxy	36.6320, 0.3261, 0.3648
Android (android.graphics.Color)	4288587406 (0xFF9EA68E)
YUV	160.8720, -9.3039, -2.5187
Hunter-Lab	60.5244, -9.3464, 11.9576

Details

The CIELCh color $67, 13.568, 122.279$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $61, 13.929, 303.869$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 13.371, 121.929$, and $47, 13.271, 121.460$ is the 20% darker color. If you saturate the color by 10%, you get $66, 22.917, 121.729$, and if you desaturate by 10%, it is $68, 4.168, 122.831$.

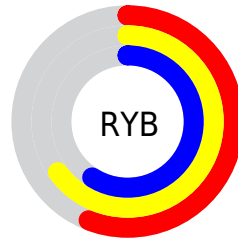
Distribution



 Red (62%)

 Green (65%)

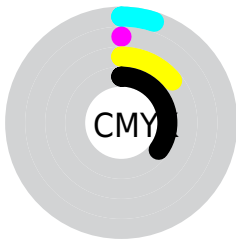
 Blue (56%)



 Red (56%)

 Yellow (65%)

 Blue (59%)

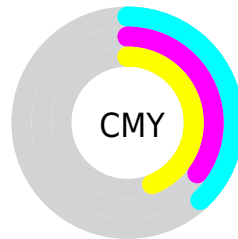


 Cyan (5%)


 Magenta (0%)

 Yellow (14%)

 Black (35%)



 Cyan (38%)


 Magenta (35%)


 Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 13.568, 122.279 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, 13.568, 122.279 by changing the saturation by 10% instead.


 67, 13.568,
122.279


 67, 13.568,
122.279


 100, 13.568,
122.279


 57, 13.568,
122.279


 87, 13.568,
122.279

 47, 13.568,
122.279

 97, 13.568,
122.279

 37, 13.568,
122.279

 27, 13.568,
122.279

 17, 13.568,
122.279

 7, 13.568, 122.279

 0, 13.568, 122.279

67, 13.568,
122.279

67, 13.568,
122.279

66, 22.917,
121.729

68, 4.168, 122.831

66, 32.129,
121.182

69, 5.233, 303.324

65, 41.088,
120.668

70, 14.592,
303.817

64, 49.621,
120.230

71, 23.882,
304.273

64, 57.475,
119.933

72, 33.080,
304.694

63, 64.304,
119.866

73, 42.173,
305.082

63, 69.701,
120.139

74, 49.242,
305.812

62, 73.342,

74, 49.566,
307.858

120.849

■ 75, 49.946,
309.901

■ 62, 74.928,
121.334

Harmonies

Complementary

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



67, 13.568, 122.279



61, 13.929, 303.869

Rectangle

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



67, 13.568, 122.279



67, 13.568, 172.279



67, 13.568, 302.279



67, 13.568, 352.279

Sweetspot

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



67, 13.570, 122.283



86, 4.658, 122.851



63, 7.804, 54.539



46, 3.338, 122.811



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, 13.570, 122.283



85, 19.814, 122.124



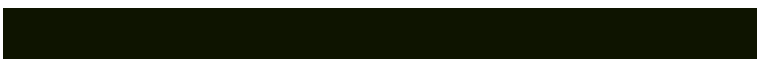
66, 15.418, 139.109



35, 5.371, 122.565



56, 68.683, 121.188



5, 9.965, 125.878

Inverse Universe

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



61, 13.929, 303.869



75, 20.444, 304.051



62, 15.511, 320.432



33, 5.466, 303.557



19, 85.819, 308.958



1, 9.768, 301.308

Previews

White Background



This preview shows how the CIELCh color 67, 13.568, 122.279 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, 13.568, 122.279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

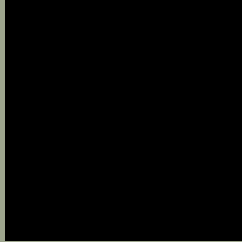
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

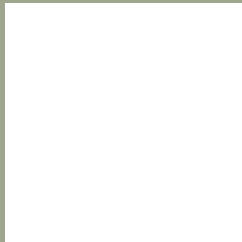
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 13.568, 122.279

Background



This preview shows how black text looks on a background with the CIELCh color 67, 13.568, 122.279.



This preview shows how white text looks on a background with the CIELCh color 67, 13.568, 122.279.

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, 13.568, 122.279

Protanopia

67, 12.629, 92.204

Deuteranopia

67, 13.467, 52.124



Tritanopia
67, 6.653, 294.049

Trichromacy



Original Color
67, 13.568, 122.279

Protanomaly
67, 12.651, 105.224

Deuteranomaly
67, 11.151, 76.429

Tritanomaly
67, 1.589, 155.731

Monochromacy



Original Color
67, 13.568, 122.279

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, 13.568, 122.279 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(158, 166, 142)` looks like.

```
.text, #text, p{  
    color:rgb(158, 166, 142)  
}
```

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(158, 166, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 166, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 13.568, 122.279 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(158, 166, 142) }
```

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

```
.border{ border-color:rgb(158, 166, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 166, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 166, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 166, 142);  
box-shadow:4px 4px 4px 4px rgb(158, 166,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 13.568, 122.279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 166, 142) }
```

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

```
.background{ background-color: rgb(158,  
166, 142) }
```

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