

Converting Colors

CIELCh(69, 34.346, 119.331)

Have a look what the booklet for
CIELCh(69, 34.346, 119.331)
contains.

CIELCh(69, 34.633, 119.169)	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(69, 34.633, 119.169)

Conversions

Conversions Part 1

Format	Color
Hex	9EB071
RGB	158, 176, 113
RGB Percent	62%, 69%, 44%
CMY	0.3817, 0.3111, 0.5581
CMYK	0.10, 0.00, 0.36, 0.31
HSL	77°, 28%, 57%
HSV	77°, 36%, 69%
XYZ	32.4615, 39.3444, 21.4155
YIQ	163.4360, 9.4950, -23.4090

Conversions

Conversions Part 2

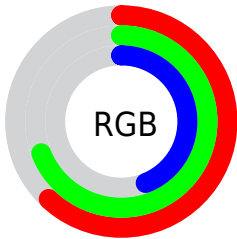
Format	Color
RYB	113, 176, 131
Decimal	10399857
CIELab	69.00, -16.88, 30.24
CIELCh	69, 34.633, 119.169
Yxy	39.3444, 0.3482, 0.4221
Android (android.graphics.Color)	4288589937 (0xFF9EB071)
YUV	163.4360, -24.8649, -4.7674
Hunter-Lab	62.7251, -17.3916, 23.6649

Details

The CIELCh color **69, 34.633, 119.169** is a light color, and the websafe version is hex **999966**. A complement of this color would be **51, 37.303, 303.829**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 35.115, 119.454**, and **49, 34.259, 118.691** is the 20% darker color. If you saturate the color by 10%, you get **68, 43.845, 118.627**, and if you desaturate by 10%, it is **70, 25.127, 119.756**.

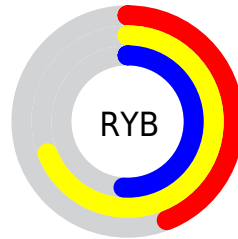
Distribution



Red (62%)

Green (69%)

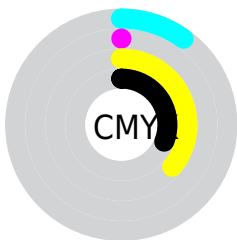
Blue (44%)



Red (44%)

Yellow (69%)

Blue (51%)

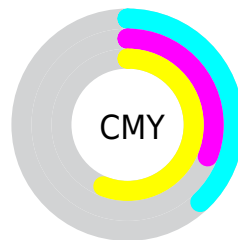


Cyan (10%)

Magenta (0%)

Yellow (36%)

Black (31%)



Cyan (38%)


Magenta (31%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 34.633, 119.169 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 69, 34.633, 119.169 by changing the saturation by 10% instead.

 69, 34.633,
119.169


 69, 34.633,
119.169


 100, 34.633,
119.169


 59, 34.633,
119.169


 89, 34.633,
119.169

 49, 34.633,
119.169

 99, 34.633,
119.169

 39, 34.633,
119.169

 29, 34.633,
119.169

 19, 34.633,
119.169

 9, 34.633, 119.169

 0, 34.633, 119.169

■ 69, 34.633,
119.169

■ 69, 34.633,
119.169

■ 68, 43.845,
118.627

■ 70, 25.127,
119.756

■ 68, 52.565,
118.169

■ 70, 15.455,
120.351

■ 67, 60.509,
117.863

■ 71, 5.706, 120.941

■ 67, 67.295,
117.799

■ 72, 4.058, 301.489

■ 66, 72.495,
118.081

■ 73, 13.795,
302.032

■ 66, 75.824,
118.791

■ 74, 23.474,
302.538

■ 66, 76.939,
119.135

■ 75, 33.071,
303.008

■ 76, 42.570,
303.445

■ 77, 43.758,
305.386

Harmonies

Complementary

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



69, 34.633, 119.169



51, 37.303, 303.829

Rectangle

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



69, 34.633, 119.169



69, 34.633, 169.169



69, 34.633, 299.169



69, 34.633, 349.169

Sweetspot

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



69, 34.634, 119.171



90, 13.335, 120.627



58, 22.197, 47.771



48, 8.950, 120.549



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 34.634, 119.171



87, 51.229, 118.736



67, 39.414, 136.421



36, 5.464, 120.739



57, 68.568, 118.962



7, 11.752, 124.558

Inverse Universe

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



51, 37.303, 303.829



61, 56.288, 304.540



55, 40.102, 319.855



34, 5.567, 301.822



19, 87.644, 308.289



1, 11.516, 299.264

Previews

White Background



This preview shows how the CIELCh color 69, 34.633, 119.169 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 69, 34.633, 119.169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

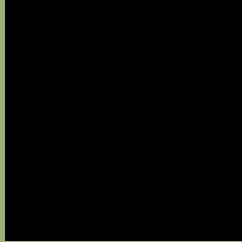
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 34.633, 119.169

Background



This preview shows how black text looks on a background with the CIELCh color 69, 34.633, 119.169.



This preview shows how white text looks on a background with the CIELCh color 69, 34.633, 119.169.

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
69, 34.633, 119.169

Protanopia
69, 32.065, 95.383

Deuteranopia
69, 30.326, 73.102



Tritanopia
69, 7.699, 290.961

Trichromacy



Original Color
69, 34.633, 119.169

Protanomaly
69, 32.358, 104.600

Deuteranomaly
69, 28.947, 91.066

Tritanomaly
69, 8.021, 126.163

Monochromacy



Original Color
69, 34.633, 119.169

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 12.912, 121.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 34.633, 119.169 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, 176, 113)` looks like.

```
.text, #text, p{  
    color:rgb(158, 176, 113)  
}
```

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, 176, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 176, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 34.633, 119.169 is called "border". The border property can be set on classes, ids or directly on the HTML element.

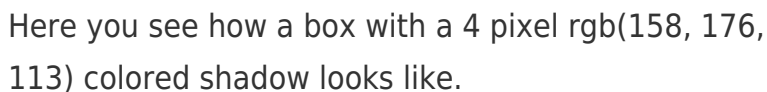
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 176, 113) }
```

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

```
.border{ border-color:rgb(158, 176, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 176, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 176, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 176, 113); box-shadow:4px 4px 4px 4px rgb(158, 176, 113) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 34.633, 119.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 176, 113) }
```

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

```
.background{ background-color: rgb(158,  
176, 113) }
```

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