

Converting Colors

CIELCh(68, 31.085, 137.123)

Have a look what the booklet for
CIELCh(68, 31.085, 137.123)
contains.

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Color

CIELCh(68, 30.842, 137.268)

Conversions

Conversions Part 1

Format	Color
Hex	89B07F
RGB	137, 176, 127
RGB Percent	54%, 69%, 50%
CMY	0.4622, 0.3092, 0.5014
CMYK	0.22, 0.00, 0.28, 0.31
HSL	108°, 24%, 59%
HSV	108°, 28%, 69%
XYZ	29.7317, 37.9720, 25.8866
YIQ	158.7530, -7.5150, -23.5070

Conversions

Conversions Part 2

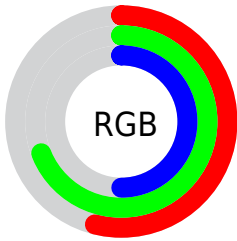
Format	Color
RYB	127, 176, 166
Decimal	9023615
CIELab	68.00, -22.65, 20.93
CIELCh	68, 30.842, 137.268
Yxy	37.9720, 0.3177, 0.4057
Android (android.graphics.Color)	4287213695 (0xFF89B07F)
YUV	158.7530, -15.6542, -19.0774
Hunter-Lab	61.6215, -21.7133, 18.2278

Details

The CIELCh color **68, 30.842, 137.268** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **58, 31.244, 319.901**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 31.010, 137.348**, and **48, 30.425, 137.511** is the 20% darker color. If you saturate the color by 10%, you get **67, 41.792, 136.641**, and if you desaturate by 10%, it is **69, 19.740, 137.842**.

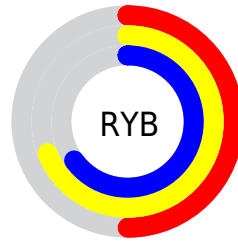
Distribution



Red (54%)

Green (69%)

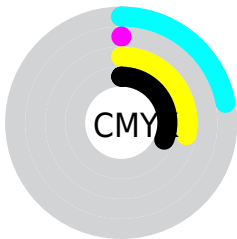
Blue (50%)



Red (50%)

Yellow (69%)

Blue (65%)

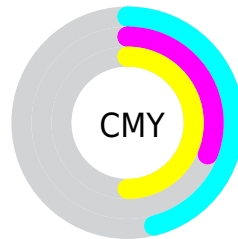


Cyan (22%)

Magenta (0%)

Yellow (28%)

Black (31%)



Cyan (46%)


Magenta (31%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 30.842, 137.268 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, 30.842, 137.268 by changing the saturation by 10% instead.

 68, 30.842,
137.268

 68, 30.842,
137.268


 100, 30.842,
137.268


 58, 30.842,
137.268


 88, 30.842,
137.268

 48, 30.842,
137.268

 98, 30.842,
137.268

 38, 30.842,
137.268

 28, 30.842,
137.268

 18, 30.842,
137.268

 8, 30.842, 137.268

 0, 30.842, 137.268

68, 30.842,
137.268

68, 30.842,
137.268

67, 41.792,
136.641

69, 19.740,
137.842

66, 52.388,
135.978

71, 8.625, 138.360

65, 62.363,
135.321

72, 2.394, 318.701

64, 71.365,
134.743

74, 13.244,
319.148

64, 78.955,
134.351

76, 23.875,
319.484

63, 84.670,
134.271

78, 34.255,
319.768

63, 88.334,
134.533

79, 44.365,
320.010

63, 89.006,

81, 48.435,
324.032

134.570

 82, 49.342,
326.129

Harmonies

Complementary

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



68, 30.842, 137.268



58, 31.244, 319.901

Rectangle

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



68, 30.842, 137.268



68, 30.842, 187.268



68, 30.842, 317.268



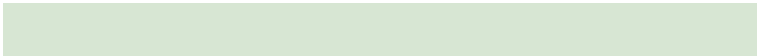
68, 30.842, 7.268

Sweetspot

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



68, 30.844, 137.269



90, 10.939, 138.344



68, 21.438, 96.136



47, 7.773, 138.269



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 30.844, 137.269



86, 45.303, 136.914



68, 26.867, 151.465



37, 6.317, 138.284



55, 80.114, 134.460



7, 15.476, 140.065

Inverse Universe

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



58, 31.244, 319.901



72, 45.996, 320.148



59, 27.110, 335.550



35, 6.353, 319.075



30, 80.444, 320.664



2, 14.908, 316.128

Previews

White Background



This preview shows how the CIELCh color 68, 30.842, 137.268 looks on a white background.

Color Contrast Check

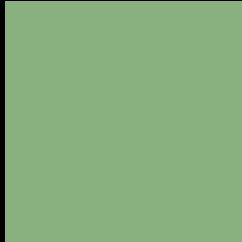
Large Text (above 18pt) WCAG AA × Fail

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, 30.842, 137.268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

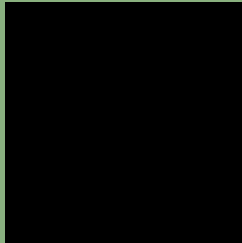
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 30.842, 137.268

Background



This preview shows how black text looks on a background with the CIELCh color 68, 30.842, 137.268.

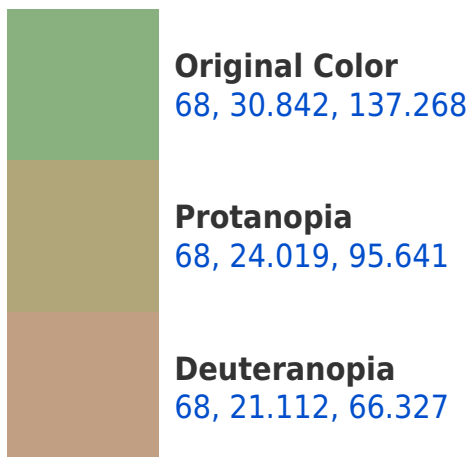


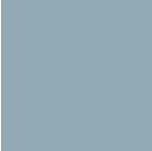
This preview shows how white text looks on a background with the CIELCh color 68, 30.842, 137.268.

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, 10.654, 241.346

Trichromacy



Original Color
68, 30.842, 137.268

Protanomaly
68, 24.595, 113.393

Deuteranomaly
68, 19.429, 98.418

Tritanomaly
68, 12.143, 171.402

Monochromacy



Original Color
68, 30.842, 137.268

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 11.360, 137.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 30.842, 137.268 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(137, 176, 127)` looks like.

```
.text, #text, p{  
    color:rgb(137, 176, 127)  
}
```

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(137, 176, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 176, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 30.842, 137.268 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(137, 176, 127) }
```

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

```
.border{ border-color:rgb(137, 176, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 176, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 176, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 176, 127);  
box-shadow:4px 4px 4px 4px rgb(137, 176,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 30.842, 137.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 176, 127) }
```

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

```
.background{ background-color: rgb(137,  
176, 127) }
```

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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