

Converting Colors

CIELCh(82, 49.660, 148.305)

Have a look what the booklet for
CIELCh(82, 49.660, 148.305)
contains.

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Color

CIELCh(82, 49.882, 148.047)

Conversions

Conversions Part 1

Format	Color
Hex	84E099
RGB	132, 224, 153
RGB Percent	52%, 88%, 60%
CMY	0.4836, 0.1229, 0.4012
CMYK	0.41, 0.00, 0.32, 0.12
HSL	134°, 59%, 70%
HSV	134°, 41%, 88%
XYZ	41.7529, 60.2982, 39.4389
YIQ	188.3980, -32.0410, -41.5850

Conversions

Conversions Part 2

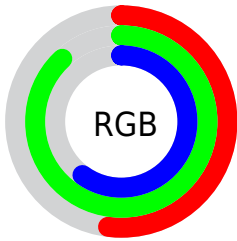
Format	Color
RYB	132, 207, 224
Decimal	8708249
CIELab	82.00, -42.32, 26.40
CIELCh	82, 49.882, 148.047
Yxy	60.2982, 0.2951, 0.4262
Android (android.graphics.Color)	4286898329 (0xFF84E099)
YUV	188.3980, -17.4512, -49.4610
Hunter-Lab	77.6519, -39.9125, 24.2433

Details

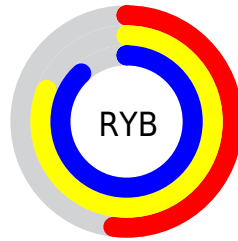
The CIELCh color **82, 49.882, 148.047** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **67, 50.096, 334.354**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 33.882, 152.136**, and **62, 50.060, 147.993** is the 20% darker color. If you saturate the color by 10%, you get **81, 61.237, 146.829**, and if you desaturate by 10%, it is **83, 38.001, 149.104**.

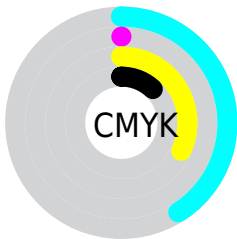
Distribution



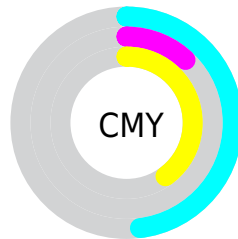
- Red (52%)
- Green (88%)
- Blue (60%)



- Red (52%)
- Yellow (81%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (32%)
- Black (12%)



- Cyan (48%)
- Magenta (12%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 49.882, 148.047 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 82, 49.882, 148.047 by changing the saturation by 10% instead.

 82, 49.882,
148.047

 82, 49.882,
148.047


 100, 49.882,
148.047

 72, 49.882,
148.047

 62, 49.882,
148.047

 52, 49.882,
148.047

 42, 49.882,
148.047

 32, 49.882,
148.047

 22, 49.882,
148.047

 12, 49.882,

148.047

■ 2, 49.882, 148.047

■ 0, 49.882, 148.047

■ 82, 49.882,
148.047

■ 82, 49.882,
148.047

■ 81, 61.237,
146.829

■ 83, 38.001,
149.104

■ 80, 71.806,
145.440

■ 85, 25.827,
150.019

■ 79, 81.327,
143.886

■ 87, 13.560,
150.817


■ 79, 89.563,
142.199


■ 89, 1.360, 151.725

■ 78, 96.317,

■ 91, 10.653,
332.030

140.449

 92, 19.603,
325.106

 78, 101.028,
138.980

Harmonies

Complementary

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



82, 49.882, 148.047



67, 50.096, 334.354

Rectangle

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



82, 49.882, 148.047



82, 49.882, 198.047



82, 49.882, 328.047



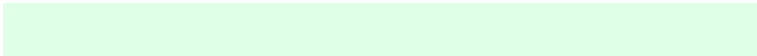
82, 49.882, 18.047

Sweetspot

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



82, 49.883, 148.047



97, 16.268, 150.745



86, 47.562, 115.914



52, 10.797, 150.644



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 49.883, 148.047



91, 65.448, 147.057



83, 33.704, 172.869



46, 6.930, 150.943



63, 83.873, 139.269



16, 31.321, 143.714

Inverse Universe

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



67, 50.096, 334.354



71, 65.463, 334.987



65, 38.462, 2.238



44, 6.955, 332.116



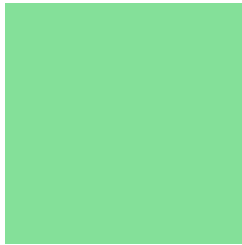
40, 73.419, 339.887



7, 30.785, 337.586

Previews

White Background



This preview shows how the CIELCh color 82, 49.882, 148.047 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 82, 49.882, 148.047 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 82, 49.882, 148.047

Background



This preview shows how black text looks on a background with the CIELCh color 82, 49.882, 148.047.

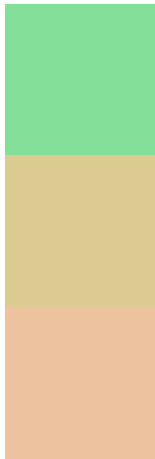


This preview shows how white text looks on a background with the CIELCh color 82, 49.882, 148.047.

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
82, 49.882, 148.047

Protanopia
82, 31.635, 95.512

Deuteranopia
82, 25.719, 67.254

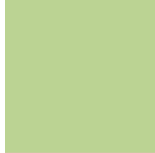


Tritanopia
82, 22.137, 222.330

Trichromacy



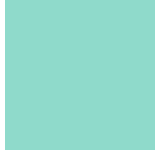
Original Color
82, 49.882, 148.047



Protanomaly
81, 34.713, 123.005



Deuteranomaly
81, 25.332, 113.261

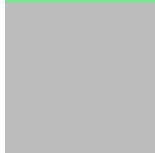


Tritanomaly
82, 26.517, 180.002

Monochromacy



Original Color
82, 49.882, 148.047



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 18.601, 149.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 49.882, 148.047 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(132, 224, 153)` looks like.

```
.text, #text, p{  
    color:rgb(132, 224, 153)  
}
```

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(132, 224, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 224, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 49.882, 148.047 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(132, 224, 153) }
```

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

```
.border{ border-color:rgb(132, 224, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 224, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 224, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 224, 153); box-shadow:4px 4px 4px 4px rgb(132, 224, 153) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 49.882, 148.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 224, 153) }
```

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

```
.background{ background-color: rgb(132,  
224, 153) }
```

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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