

Converting Colors

CIELCh(78, 50.048, 142.007)

Have a look what the booklet for
CIELCh(78, 50.048, 142.007)
contains.

CIELCh(78, 49.997, 142.036)	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(78, 49.997, 142.036)

Conversions

Conversions Part 1

Format	Color
Hex	85D386
RGB	133, 211, 134
RGB Percent	52%, 83%, 53%
CMY	0.4790, 0.1731, 0.4750
CMYK	0.37, 0.00, 0.37, 0.17
HSL	121°, 47%, 67%
HSV	121°, 37%, 83%
XYZ	37.2048, 53.2120, 30.8169
YIQ	178.9000, -21.7710, -40.4830

Conversions

Conversions Part 2

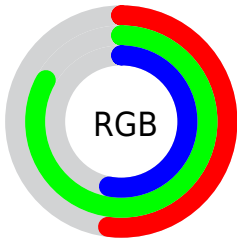
Format	Color
RYB	133, 210, 211
Decimal	8770438
CIELab	78.00, -39.42, 30.76
CIELCh	78, 49.997, 142.036
Yxy	53.2120, 0.3069, 0.4389
Android (android.graphics.Color)	4286960518 (0xFF85D386)
YUV	178.9000, -22.1357, -40.2543
Hunter-Lab	72.9466, -36.6165, 26.0151

Details

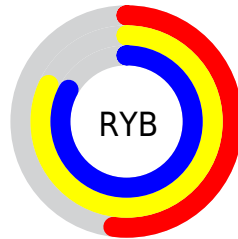
The CIELCh color **78, 49.997, 142.036** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **66, 49.931, 326.786**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 41.792, 142.284**, and **58, 50.186, 141.882** is the 20% darker color. If you saturate the color by 10%, you get **77, 62.782, 141.008**, and if you desaturate by 10%, it is **79, 36.651, 142.943**.

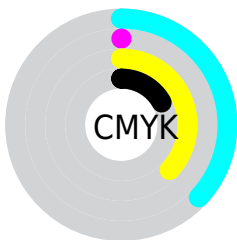
Distribution



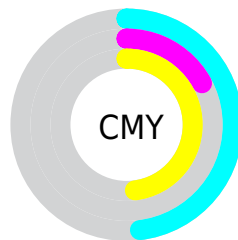
- Red (52%)
- Green (83%)
- Blue (53%)



- Red (52%)
- Yellow (82%)
- Blue (83%)



- Cyan (37%)
- Magenta (0%)
- Yellow (37%)
- Black (17%)



- Cyan (48%)
- Magenta (17%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 49.997, 142.036 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 78, 49.997, 142.036 by changing the saturation by 10% instead.

 78, 49.997,
142.036

 78, 49.997,
142.036

 100, 49.997,
142.036


 68, 49.997,
142.036

 98, 49.997,
142.036

 58, 49.997,
142.036

 48, 49.997,
142.036

 38, 49.997,
142.036

 28, 49.997,
142.036

 18, 49.997,
142.036

 8, 49.997, 142.036

■ 0, 49.997, 142.036

■ 78, 49.997,
142.036

■ 78, 49.997,
142.036

■ 77, 62.782,
141.008

■ 79, 36.651,
142.943

■ 76, 74.615,
139.882

■ 81, 23.049,
143.728

■ 75, 85.036,
138.718

■ 83, 9.428, 144.411

■ 85, 4.036, 324.878

■ 74, 93.520,
137.623

■ 87, 17.225,
325.407

■ 74, 99.561,
136.741

■ 89, 27.664,
325.388

■ 74, 102.892,
136.203

■ 74, 103.556,
136.105

Harmonies

Complementary

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



78, 49.997, 142.036



66, 49.931, 326.786

Rectangle

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



78, 49.997, 142.036



78, 49.997, 192.036



78, 49.997, 322.036



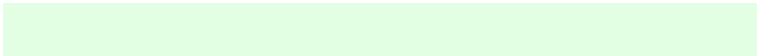
78, 49.997, 12.036

Sweetspot

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



78, 49.998, 142.036



97, 17.361, 144.138



83, 40.332, 106.619



52, 11.675, 144.045



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 49.998, 142.036



91, 68.839, 141.277



79, 34.647, 160.065



43, 7.614, 144.253



60, 87.493, 136.134



13, 30.343, 142.283

Inverse Universe

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



66, 49.931, 326.786



75, 68.601, 327.158



65, 36.221, 347.256



41, 7.626, 325.282



40, 83.814, 328.748



6, 30.811, 328.240

Previews

White Background



This preview shows how the CIELCh color 78, 49.997, 142.036 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 78, 49.997, 142.036 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 78, 49.997, 142.036

Background



This preview shows how black text looks on a background with the CIELCh color 78, 49.997, 142.036.

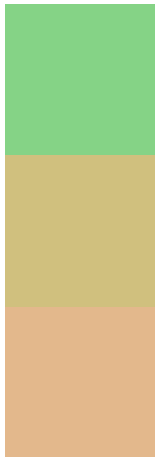


This preview shows how white text looks on a background with the CIELCh color 78, 49.997, 142.036.

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](#).

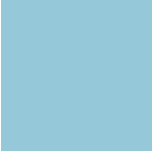
Dichromacy



Original Color
78, 49.997, 142.036

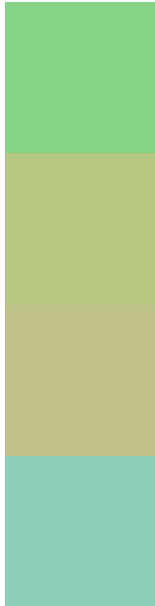
Protanopia
78, 35.497, 96.067

Deuteranopia
78, 29.795, 71.207



Tritanopia
78, 18.722, 225.753

Trichromacy



Original Color
78, 49.997, 142.036

Protanomaly
77, 37.443, 118.007

Deuteranomaly
77, 29.618, 108.189

Tritanomaly
78, 23.782, 173.663

Monochromacy



Original Color
78, 49.997, 142.036

Achromatopsia
73, 0.009, 296.813

Achromatomaly
75, 18.713, 144.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 49.997, 142.036 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(133, 211, 134)` looks like.

```
.text, #text, p{  
    color:rgb(133, 211, 134)  
}
```

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(133, 211, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 211, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 49.997, 142.036 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(133, 211, 134) }
```

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

```
.border{ border-color:rgb(133, 211, 134) }
```

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

Here you see how a box with a 4 pixel rgb(133, 211, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 211, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 211, 134);  
box-shadow:4px 4px 4px 4px rgb(133, 211,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 49.997, 142.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 211, 134) }
```

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

```
.background{ background-color: rgb(133,  
211, 134) }
```

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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