

Converting Colors

CIELCh(82, 49.313, 117.710)

Have a look what the booklet for
CIELCh(82, 49.313, 117.710)
contains.

CIELCh(82, 49.226, 117.861)	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(82, 49.226, 117.861)

Conversions

Conversions Part 1

Format	Color
Hex	BDD678
RGB	189, 214, 120
RGB Percent	74%, 84%, 47%
CMY	0.2586, 0.1606, 0.5292
CMYK	0.12, 0.00, 0.44, 0.16
HSL	76°, 53%, 66%
HSV	76°, 44%, 84%
XYZ	48.4487, 60.2982, 26.8681
YIQ	195.8090, 15.2740, -34.5340

Conversions

Conversions Part 2

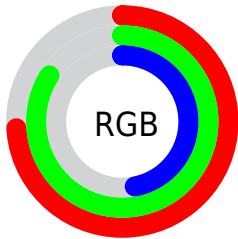
Format	Color
RYB	120, 214, 145
Decimal	12441208
CIELab	82.00, -23.00, 43.52
CIELCh	82, 49.226, 117.861
Yxy	60.2982, 0.3573, 0.4446
Android (android.graphics.Color)	4290631288 (0xFFBDD678)
YUV	195.8090, -37.3738, -5.9715
Hunter-Lab	77.6519, -24.5208, 33.8416

Details

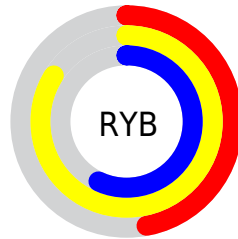
The CIELCh color **82, 49.226, 117.861** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **56, 54.331, 304.004**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 40.754, 111.976**, and **62, 49.004, 117.811** is the 20% darker color. If you saturate the color by 10%, you get **81, 59.508, 117.366**, and if you desaturate by 10%, it is **83, 38.395, 118.440**.

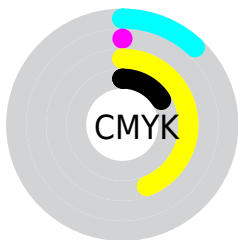
Distribution



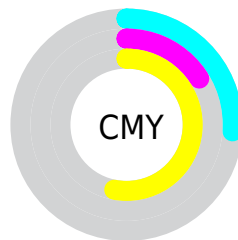
- Red (74%)
- Green (84%)
- Blue (47%)



- Red (47%)
- Yellow (84%)
- Blue (57%)



- Cyan (12%)
- Magenta (0%)
- Yellow (44%)
- Black (16%)





- Cyan (26%)
- Magenta (16%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 49.226, 117.861 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, 49.226, 117.861 by changing the saturation by 10% instead.


 82, 49.226,
117.861


 82, 49.226,
117.861


 100, 49.226,
117.861


 72, 49.226,
117.861

 62, 49.226,
117.861

 52, 49.226,
117.861

 42, 49.226,
117.861

 32, 49.226,
117.861

 22, 49.226,
117.861

 12, 49.226,

117.861

■ 2, 49.226, 117.861

■ 0, 49.226, 117.861

■ 82, 49.226,
117.861

■ 82, 49.226,
117.861

■ 81, 59.508,
117.366

■ 83, 38.395,
118.440

■ 81, 68.908,
117.014

■ 83, 27.234,
119.054

■ 80, 76.978,
116.895

■ 84, 15.893,
119.676

■ 80, 83.198,
117.115

■ 85, 4.471, 120.292

■ 79, 87.174,

■ 86, 6.963, 300.865

117.765

87, 18.361,
301.426

79, 88.736,
118.324

88, 22.094,
305.036

88, 22.616,
309.869

89, 23.289,
314.505

Harmonies

Complementary

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



82, 49.226, 117.861



56, 54.331, 304.004

Rectangle

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



82, 49.226, 117.861



82, 49.226, 167.861



82, 49.226, 297.861



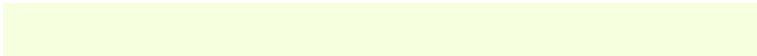
82, 49.226, 347.861

Sweetspot

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



82, 49.227, 117.863



99, 17.112, 119.725



66, 33.506, 44.276



52, 11.970, 119.587



0, 0.000, 0.000



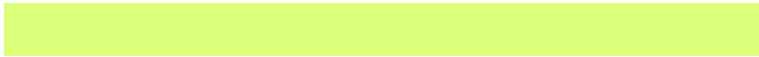
53, 0.007, 296.813

Same Dimension

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



82, 49.227, 117.863



95, 67.471, 117.383



79, 55.787, 134.954



45, 6.487, 119.954



65, 74.925, 118.116



16, 25.877, 118.954

Inverse Universe

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



56, 54.331, 304.004



60, 76.566, 304.983



61, 57.199, 319.158



41, 6.614, 301.109



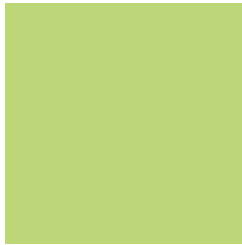
22, 96.665, 307.960



2, 27.983, 300.654

Previews

White Background



This preview shows how the CIELCh color 82, 49.226, 117.861 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 82, 49.226, 117.861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

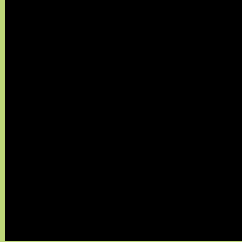
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 49.226, 117.861

Background



This preview shows how black text looks on a background with the CIELCh color 82, 49.226, 117.861.



This preview shows how white text looks on a background with the CIELCh color 82, 49.226, 117.861.

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](#).

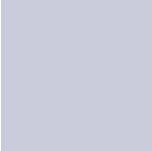
Dichromacy



Original Color
82, 49.226, 117.861

Protanopia
82, 46.246, 96.119

Deuteranopia
82, 42.908, 76.007



Tritanopia
82, 8.504, 286.183

Trichromacy



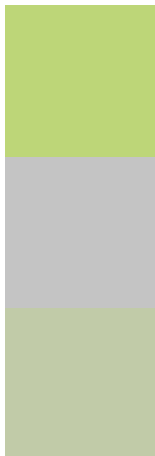
Original Color
82, 49.226, 117.861

Protanomaly
82, 46.827, 104.474

Deuteranomaly
81, 41.963, 92.610

Tritanomaly
82, 13.229, 125.554

Monochromacy



Original Color
82, 49.226, 117.861

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 18.902, 120.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 49.226, 117.861 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(189, 214, 120)` looks like.

```
.text, #text, p{  
    color:rgb(189, 214, 120)  
}
```

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(189, 214, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 214, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 49.226, 117.861 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(189, 214, 120) }
```

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

```
.border{ border-color:rgb(189, 214, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 214, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 214, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 214, 120);  
box-shadow:4px 4px 4px 4px rgb(189, 214,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 49.226, 117.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 214, 120) }
```

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

```
.background{ background-color: rgb(189,  
214, 120) }
```

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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