

Converting Colors

CIELCh(82, 49.253, 157.063)

Have a look what the booklet for
CIELCh(82, 49.253, 157.063)
contains.

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Color

CIELCh(82, 49.275, 157.034)

Conversions

Conversions Part 1

Format	Color
Hex	71E1A6
RGB	113, 225, 166
RGB Percent	44%, 88%, 65%
CMY	0.5557, 0.1165, 0.3480
CMYK	0.50, 0.00, 0.26, 0.12
HSL	148°, 65%, 66%
HSV	148°, 50%, 88%
XYZ	40.7574, 60.2982, 45.6958
YIQ	184.7860, -47.8130, -42.0930

Conversions

Conversions Part 2

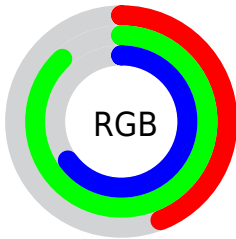
Format	Color
RYB	113, 189, 225
Decimal	7463334
CIELab	82.00, -45.37, 19.23
CIELCh	82, 49.275, 157.034
Yxy	60.2982, 0.2777, 0.4109
Android (android.graphics.Color)	4285653414 (0xFF71E1A6)
YUV	184.7860, -9.2615, -62.9563
Hunter-Lab	77.6519, -42.2010, 19.4660

Details

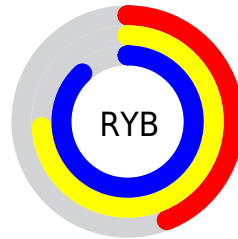
The CIELCh color **82, 49.275, 157.034** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **62, 51.555, 347.370**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.513, 165.823**, and **62, 49.294, 157.082** is the 20% darker color. If you saturate the color by 10%, you get **81, 57.918, 155.538**, and if you desaturate by 10%, it is **83, 39.983, 158.348**.

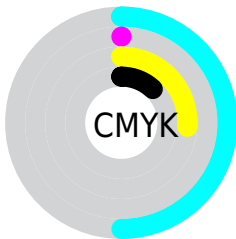
Distribution



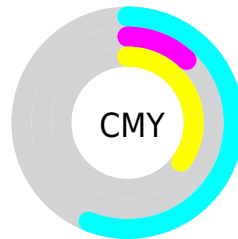
- Red (44%)
- Green (88%)
- Blue (65%)



- Red (44%)
- Yellow (74%)
- Blue (88%)



- Cyan (50%)
- Magenta (0%)
- Yellow (26%)
- Black (12%)





- Cyan (56%)
- Magenta (12%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 49.275, 157.034 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, 49.275, 157.034 by changing the saturation by 10% instead.

 82, 49.275,
157.034

 82, 49.275,
157.034

 100, 49.275,
157.034

 72, 49.275,
157.034

 62, 49.275,
157.034

 52, 49.275,
157.034

 42, 49.275,
157.034

 32, 49.275,
157.034

 22, 49.275,
157.034

 12, 49.275,

157.034

■ 2, 49.275, 157.034

■ 0, 49.275, 157.034

■ 82, 49.275,
157.034

■ 82, 49.275,
157.034

■ 81, 57.918,
155.538

■ 83, 39.983,
158.348

■ 80, 65.752,
153.841

■ 84, 30.214,
159.508

■ 80, 72.668,
151.931

■ 86, 20.144,
160.538

■ 79, 78.628,
149.815

■ 88, 9.929, 161.472

■ 79, 83.751,

■ 90, 0.300, 340.802

147.574

92, 10.439,
342.948

79, 83.892,
147.512

93, 16.298,
330.864

93, 18.581,
325.070

Harmonies

Complementary

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



82, 49.275, 157.034



62, 51.555, 347.370

Rectangle

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



82, 49.275, 157.034



82, 49.275, 207.034



82, 49.275, 337.034



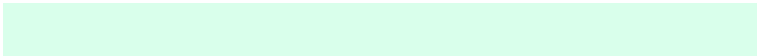
82, 49.275, 27.034

Sweetspot

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



82, 49.276, 157.034



97, 16.960, 160.977



84, 60.250, 125.559



51, 11.568, 160.777



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, 49.276, 157.034



91, 64.234, 155.427



83, 33.794, 193.746



46, 5.785, 161.496



63, 69.151, 147.918



17, 25.956, 152.388

Inverse Universe

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



62, 51.555, 347.370



65, 67.065, 349.055



61, 47.522, 22.720



44, 5.851, 342.954



38, 64.533, 359.305



6, 26.722, 352.723

Previews

White Background



This preview shows how the CIELCh color 82, 49.275, 157.034 looks on a white background.

Color Contrast Check

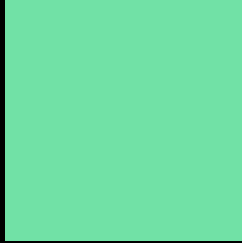
Large Text (above 18pt) WCAG AA × Fail

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, 49.275, 157.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

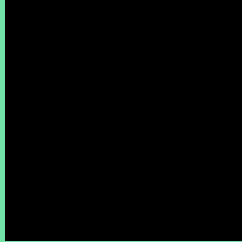
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 49.275, 157.034

Background



This preview shows how black text looks on a background with the CIELCh color 82, 49.275, 157.034.

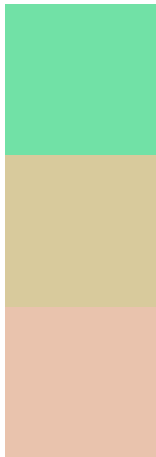


This preview shows how white text looks on a background with the CIELCh color 82, 49.275, 157.034.

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, 49.275, 157.034

Protanopia
81, 24.868, 94.992

Deuteranopia
81, 19.083, 57.501



Tritanopia
82, 27.067, 218.622

Trichromacy



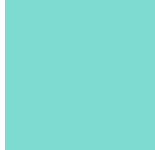
Original Color
82, 49.275, 157.034



Protanomaly
81, 28.900, 132.084



Deuteranomaly
81, 19.610, 127.799



Tritanomaly
82, 30.524, 187.188

Monochromacy



Original Color
82, 49.275, 157.034



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 19.153, 159.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 49.275, 157.034 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(113, 225, 166)` looks like.

```
.text, #text, p{  
    color:rgb(113, 225, 166)  
}
```

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(113, 225, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 225, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 49.275, 157.034 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(113, 225, 166) }
```

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

```
.border{ border-color:rgb(113, 225, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 225, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 225, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 225, 166); box-shadow:4px 4px 4px 4px rgb(113, 225, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 49.275, 157.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 225, 166) }
```

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

```
.background{ background-color: rgb(113,  
225, 166) }
```

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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