

Converting Colors

CIELCh(82, 37.235, 172.316)

Have a look what the booklet for
CIELCh(82, 37.235, 172.316)
contains.

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Color

CIELCh(82, 37.194, 172.338)

Conversions

Conversions Part 1

Format	Color
Hex	77DEC1
RGB	119, 222, 193
RGB Percent	47%, 87%, 76%
CMY	0.5316, 0.1277, 0.2415
CMYK	0.46, 0.00, 0.13, 0.13
HSL	163°, 61%, 67%
HSV	163°, 46%, 87%
XYZ	43.5790, 60.2982, 60.0417
YIQ	187.8970, -52.0790, -30.8550

Conversions

Conversions Part 2

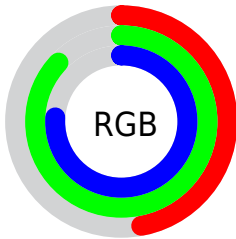
Format	Color
RYB	119, 179, 222
Decimal	7855809
CIELab	82.00, -36.86, 4.96
CIELCh	82, 37.194, 172.338
Yxy	60.2982, 0.2659, 0.3679
Android (android.graphics.Color)	4286045889 (0xFF77DEC1)
YUV	187.8970, 2.5158, -60.4227
Hunter-Lab	77.6519, -35.7150, 8.5123

Details

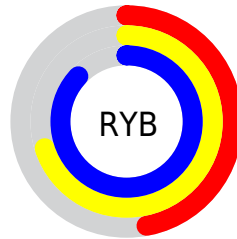
The CIELCh color **82, 37.194, 172.338** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **63, 43.207, 3.315**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.688, 190.872**, and **62, 36.924, 172.886** is the 20% darker color. If you saturate the color by 10%, you get **81, 43.767, 170.981**, and if you desaturate by 10%, it is **83, 29.932, 173.565**.

Distribution



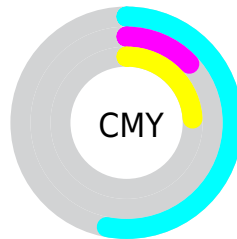
- Red (47%)
- Green (87%)
- Blue (76%)



- Red (47%)
- Yellow (70%)
- Blue (87%)



- Cyan (46%)
- Magenta (0%)
- Yellow (13%)
- Black (13%)





- Cyan (53%)
- Magenta (13%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 37.194, 172.338 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, 37.194, 172.338 by changing the saturation by 10% instead.


 82, 37.194,
172.338


 82, 37.194,
172.338


 100, 37.194,
172.338


 72, 37.194,
172.338

 62, 37.194,
172.338

 52, 37.194,
172.338

 42, 37.194,
172.338

 32, 37.194,
172.338

 22, 37.194,
172.338

 12, 37.194,

172.338

■ 2, 37.194, 172.338

■ 0, 37.194, 172.338

■ 82, 37.194,
172.338

■ 82, 37.194,
172.338

■ 81, 43.767,
170.981

■ 83, 29.932,
173.565

■ 80, 49.526,
169.473

■ 84, 22.121,
174.691

■ 80, 54.394,
167.788

■ 86, 13.906,
175.738

■ 79, 58.354,
165.908

■ 88, 5.425, 176.759

■ 79, 61.481,

■ 89, 3.205, 357.401

163.835

91, 11.884,
358.373

79, 62.526,
163.059

92, 13.986,
347.193

92, 15.933,
337.353

92, 18.259,
329.894

Harmonies

Complementary

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



82, 37.194, 172.338



63, 43.207, 3.315

Rectangle

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



82, 37.194, 172.338



82, 37.194, 222.338



82, 37.194, 352.338



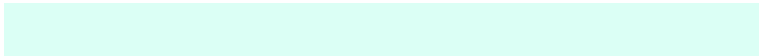
82, 37.194, 42.338

Sweetspot

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



82, 37.195, 172.337



97, 13.372, 175.961



82, 59.924, 133.865



52, 9.210, 175.740



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, 37.195, 172.337



92, 48.608, 170.963



76, 26.627, 224.890



46, 4.910, 176.431



64, 52.188, 163.423



17, 20.222, 167.442

Inverse Universe

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



63, 43.207, 3.315



66, 58.245, 5.543



67, 37.456, 41.185



44, 5.055, 358.081



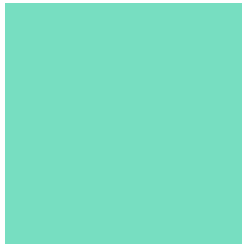
37, 66.906, 22.519



6, 25.330, 8.660

Previews

White Background



This preview shows how the CIELCh color 82, 37.194, 172.338 looks on a white background.

Color Contrast Check

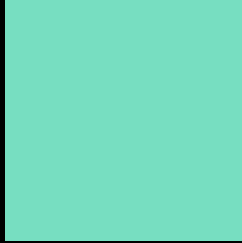
Large Text (above 18pt) WCAG AA × Fail

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, 37.194, 172.338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

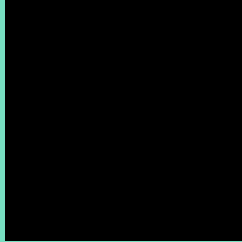
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

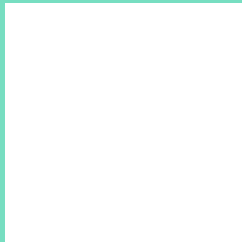
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 37.194, 172.338

Background



This preview shows how black text looks on a background with the CIELCh color 82, 37.194, 172.338.

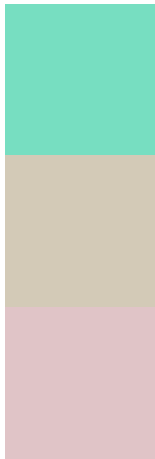


This preview shows how white text looks on a background with the CIELCh color 82, 37.194, 172.338.

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, 37.194, 172.338

Protanopia
82, 10.596, 90.397

Deuteranopia
82, 10.581, 11.608



Tritanopia
82, 27.203, 217.273

Trichromacy



Original Color
82, 37.194, 172.338



Protanomaly
81, 16.365, 152.847



Deuteranomaly
81, 8.732, 165.645

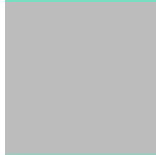


Tritanomaly
82, 28.689, 197.438

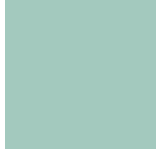
Monochromacy



Original Color
82, 37.194, 172.338



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 14.877, 174.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 37.194, 172.338 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(119, 222, 193)` looks like.

```
.text, #text, p{  
    color:rgb(119, 222, 193)  
}
```

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(119, 222, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 222, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 37.194, 172.338 is called "border". The border property can be set on classes, ids or directly on the HTML element.

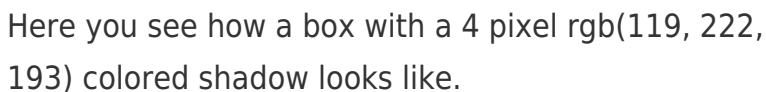
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 222, 193) }
```

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

```
.border{ border-color:rgb(119, 222, 193) }
```

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



Here you see how a box with a 4 pixel rgb(119, 222, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 222, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 222, 193);  
box-shadow:4px 4px 4px 4px rgb(119, 222,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 37.194, 172.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 222, 193) }
```

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

```
.background{ background-color: rgb(119,  
222, 193) }
```

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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