

Converting Colors

CIELCh(82, 51.774, 167.909)

Have a look what the booklet for
CIELCh(82, 51.774, 167.909)
contains.

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Color

CIELCh(82, 51.882, 167.913)

Conversions

Conversions Part 1

Format	Color
Hex	4BE4B6
RGB	75, 228, 182
RGB Percent	29%, 89%, 71%
CMY	0.7063, 0.1062, 0.2866
CMYK	0.67, 0.00, 0.20, 0.11
HSL	162°, 74%, 59%
HSV	162°, 67%, 89%
XYZ	39.0430, 60.2982, 53.7872
YIQ	177.0090, -76.4220, -46.7420

Conversions

Conversions Part 2

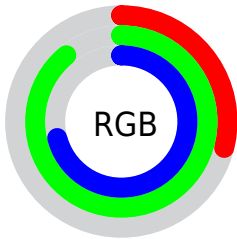
Format	Color
RYB	75, 165, 228
Decimal	4973750
CIELab	82.00, -50.73, 10.86
CIELCh	82, 51.882, 167.913
Yxy	60.2982, 0.2550, 0.3938
Android (android.graphics.Color)	4283163830 (0xFF4BE4B6)
YUV	177.0090, 2.4606, -89.4619
Hunter-Lab	77.6519, -46.1420, 13.2879

Details

The CIELCh color **82, 51.882, 167.913** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **55, 62.775, 7.086**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.804, 183.227**, and **63, 49.261, 166.195** is the 20% darker color. If you saturate the color by 10%, you get **81, 56.943, 166.173**, and if you desaturate by 10%, it is **83, 45.913, 169.467**.

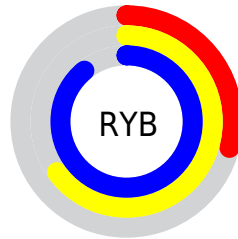
Distribution



Red (29%)

Green (89%)

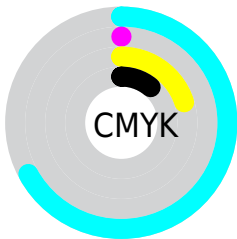
Blue (71%)



Red (29%)

Yellow (65%)

Blue (89%)

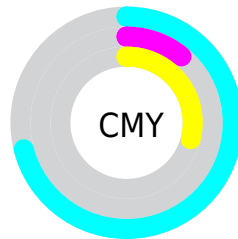


Cyan (67%)

Magenta (0%)

Yellow (20%)

Black (11%)



Cyan (71%)


Magenta (11%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 51.882, 167.913 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, 51.882, 167.913 by changing the saturation by 10% instead.


 82, 51.882,
167.913


 82, 51.882,
167.913


 100, 51.882,
167.913


 72, 51.882,
167.913

 62, 51.882,
167.913

 52, 51.882,
167.913

 42, 51.882,
167.913

 32, 51.882,
167.913

 22, 51.882,
167.913

 12, 51.882,

167.913

■ 2, 51.882, 167.913

■ 0, 51.882, 167.913

■ 82, 51.882,
167.913

■ 82, 51.882,
167.913

■ 81, 56.943,
166.173

■ 83, 45.913,
169.467

■ 81, 61.085,
164.232

■ 84, 39.114,
170.860

■ 81, 64.395,
162.099

■ 85, 31.609,
172.118

■ 81, 65.268,
161.488


■ 86, 23.546,
173.265


■ 88, 15.073,

174.326

 89, 6.333, 175.346

 91, 2.553, 355.965

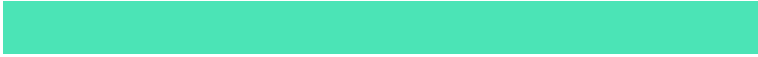
 93, 10.748,
355.215

 93, 12.595,
340.476

Harmonies

Complementary

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



82, 51.882, 167.913



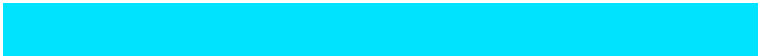
55, 62.775, 7.086

Rectangle

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



82, 51.882, 167.913



82, 51.882, 217.913



82, 51.882, 347.913



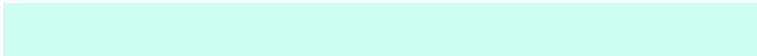
82, 51.882, 37.913

Sweetspot

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



82, 51.882, 167.912



96, 19.196, 174.017



82, 84.312, 131.977



51, 13.048, 173.719



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, 51.882, 167.912



90, 64.076, 165.352



75, 35.146, 223.140



47, 5.057, 175.107



65, 54.039, 161.868



18, 21.383, 165.752

Inverse Universe

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



55, 62.775, 7.086



57, 78.933, 12.423



59, 60.982, 39.979



45, 5.197, 356.762



37, 67.021, 20.902



7, 26.659, 8.469

Previews

White Background



This preview shows how the CIE LCh color 82, 51.882, 167.913 looks on a white background.

Color Contrast Check

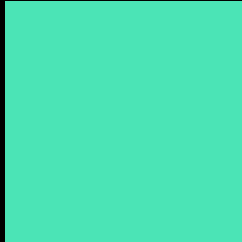
Large Text (above 18pt) WCAG AA × Fail

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, 51.882, 167.913 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

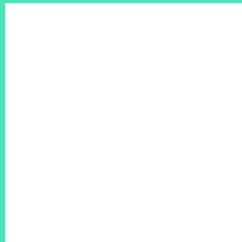
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 51.882, 167.913

Background



This preview shows how black text looks on a background with the CIELCh color 82, 51.882, 167.913.

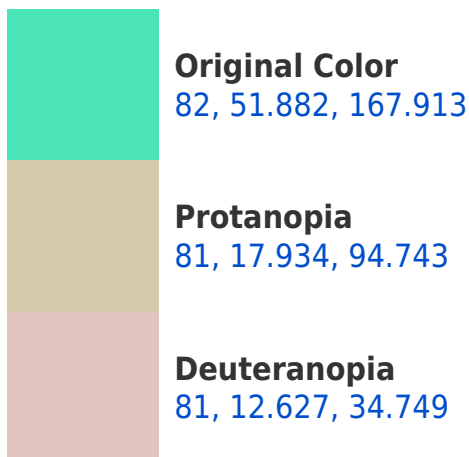


This preview shows how white text looks on a background with the CIELCh color 82, 51.882, 167.913.

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





Tritanopia
82, 34.429, 213.547

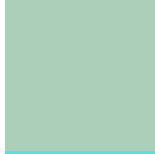
Trichromacy



Original Color
82, 51.882, 167.913



Protanomaly
80, 26.508, 149.913



Deuteranomaly
80, 17.052, 157.300

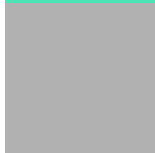


Tritanomaly
82, 38.080, 192.787

Monochromacy



Original Color
82, 51.882, 167.913



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 21.930, 172.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 51.882, 167.913 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(75, 228, 182)` looks like.

```
.text, #text, p{  
    color:rgb(75, 228, 182)  
}
```

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(75, 228, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 228, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 51.882, 167.913 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(75, 228, 182) }
```

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

```
.border{ border-color:rgb(75, 228, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 228, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 228, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 228, 182);  
box-shadow:4px 4px 4px 4px rgb(75, 228,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 51.882, 167.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 228, 182) }
```

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

```
.background{ background-color: rgb(75, 228,  
182) }
```

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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