

Converting Colors

CIELCh(82, 38.983, 194.954)

Have a look what the booklet for
CIELCh(82, 38.983, 194.954)
contains.

CIELCh(82, 39.166, 194.417)	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, 39.166, 194.417)

Conversions

Conversions Part 1

Format	Color
Hex	53E0DD
RGB	83, 224, 221
RGB Percent	33%, 88%, 87%
CMY	0.6750, 0.1220, 0.1338
CMYK	0.63, 0.00, 0.01, 0.12
HSL	179°, 69%, 60%
HSV	179°, 63%, 88%
XYZ	43.2169, 60.2982, 77.6904
YIQ	181.4990, -83.0730, -30.8250

Conversions

Conversions Part 2

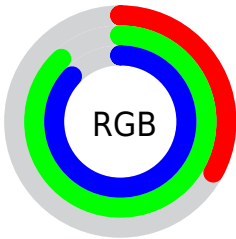
Format	Color
RYB	83, 154, 224
Decimal	5497053
CIELab	82.00, -37.93, -9.75
CIELCh	82, 39.166, 194.417
Yxy	60.2982, 0.2385, 0.3328
Android (android.graphics.Color)	4283687133 (0xFF53E0DD)
YUV	181.4990, 19.4740, -86.3836
Hunter-Lab	77.6519, -36.5473, -4.9631

Details

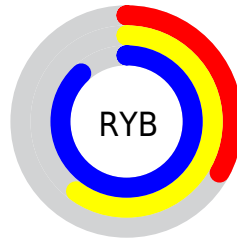
The CIELCh color **82, 39.166, 194.417** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **55, 61.812, 26.941**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.372, 197.427**, and **62, 36.985, 194.588** is the 20% darker color. If you saturate the color by 10%, you get **82, 42.314, 194.037**, and if you desaturate by 10%, it is **83, 35.023, 194.831**.

Distribution



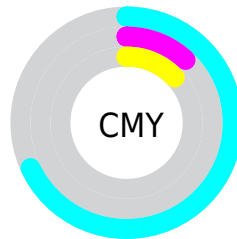
- Red (33%)
- Green (88%)
- Blue (87%)



- Red (33%)
- Yellow (60%)
- Blue (88%)



- Cyan (63%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)





- Cyan (68%)
- Magenta (12%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 39.166, 194.417 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, 39.166, 194.417 by changing the saturation by 10% instead.


 82, 39.166,
194.417


 82, 39.166,
194.417


 100, 39.166,
194.417


 72, 39.166,
194.417

 62, 39.166,
194.417

 52, 39.166,
194.417

 42, 39.166,
194.417

 32, 39.166,
194.417

 22, 39.166,
194.417

 12, 39.166,

194.417

■ 2, 39.166, 194.417

■ 0, 39.166, 194.417

■ 82, 39.166,
194.417

■ 82, 39.166,
194.417

■ 82, 42.314,
194.037

■ 83, 35.023,
194.831

■ 81, 44.471,
193.687

■ 83, 29.940,
195.287

■ 81, 45.708,
193.358

■ 84, 24.010,
195.785

■ 81, 46.175,
193.134

■ 86, 17.352,
196.326

■ 87, 10.098,

196.916

■ 89, 2.377, 197.703

■ 90, 5.690, 17.965

■ 92, 11.388, 18.070

■ 92, 11.391, 16.841

Harmonies

Complementary

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



82, 39.166, 194.417



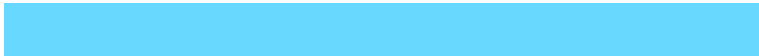
55, 61.812, 26.941

Rectangle

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



82, 39.166, 194.417



82, 39.166, 244.417



82, 39.166, 14.417



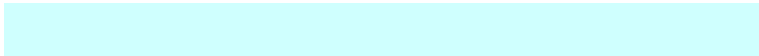
82, 39.166, 64.417

Sweetspot

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



82, 39.166, 194.416



97, 16.134, 196.546



80, 85.041, 138.322



51, 11.004, 196.381



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, 39.166, 194.416



91, 47.656, 193.909



63, 40.431, 265.219



46, 4.463, 197.145



65, 38.557, 193.184



17, 15.794, 193.698

Inverse Universe

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



55, 61.812, 26.941



57, 83.796, 31.500



68, 50.730, 64.238



44, 4.727, 18.211



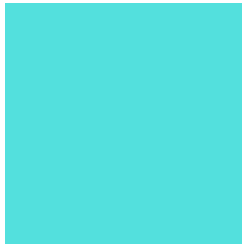
36, 78.180, 39.080



6, 25.489, 20.047

Previews

White Background



This preview shows how the CIELCh color 82, 39.166, 194.417 looks on a white background.

Color Contrast Check

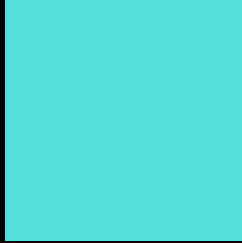
Large Text (above 18pt) WCAG AA × Fail

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, 39.166, 194.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

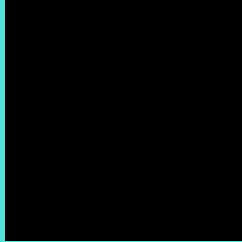
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 39.166, 194.417

Background



This preview shows how black text looks on a background with the CIELCh color 82, 39.166, 194.417.

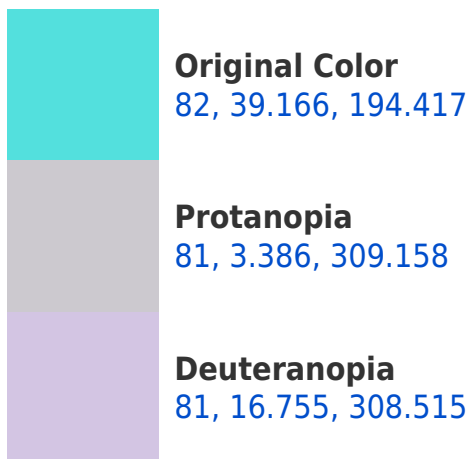


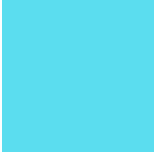
This preview shows how white text looks on a background with the CIELCh color 82, 39.166, 194.417.

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



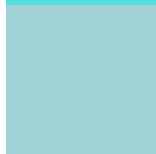


Tritanopia
82, 35.971, 212.734

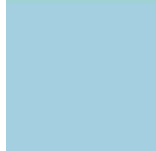
Trichromacy



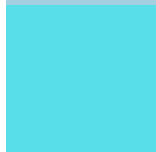
Original Color
82, 39.166, 194.417



Protanomaly
81, 16.564, 203.821



Deuteranomaly
81, 16.813, 233.492

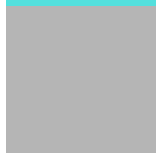


Tritanomaly
82, 36.743, 205.406

Monochromacy



Original Color
82, 39.166, 194.417



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 17.755, 196.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 39.166, 194.417 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(83, 224, 221)` looks like.

```
.text, #text, p{  
    color:rgb(83, 224, 221)  
}
```

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(83, 224, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 224, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 39.166, 194.417 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(83, 224, 221) }
```

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

```
.border{ border-color:rgb(83, 224, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 224, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 224, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 224, 221);  
box-shadow:4px 4px 4px 4px rgb(83, 224,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 39.166, 194.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 224, 221) }
```

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

```
.background{ background-color: rgb(83, 224,  
221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor