

Converting Colors

CIELCh(82, 39.596, 178.692)

Have a look what the booklet for
CIELCh(82, 39.596, 178.692)
contains.

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Color

CIELCh(82, 39.677, 178.685)

Conversions

Conversions Part 1

Format	Color
Hex	66E0C9
RGB	102, 224, 201
RGB Percent	40%, 88%, 79%
CMY	0.6003, 0.1219, 0.2121
CMYK	0.54, 0.00, 0.10, 0.12
HSL	169°, 66%, 64%
HSV	169°, 54%, 88%
XYZ	42.6348, 60.2982, 64.5988
YIQ	184.9000, -65.3290, -33.0170

Conversions

Conversions Part 2

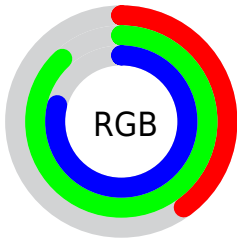
Format	Color
RYB	102, 169, 224
Decimal	6742217
CIELab	82.00, -39.67, 0.91
CIELCh	82, 39.677, 178.685
Yxy	60.2982, 0.2545, 0.3599
Android (android.graphics.Color)	4284932297 (0xFF66E0C9)
YUV	184.9000, 7.9373, -72.7033
Hunter-Lab	77.6519, -37.8853, 5.0329

Details

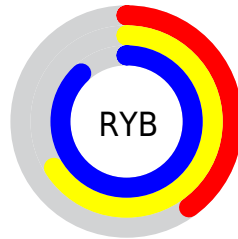
The CIELCh color **82, 39.677, 178.685** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **59, 50.822, 12.192**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.874, 197.638**, and **62, 39.649, 178.666** is the 20% darker color. If you saturate the color by 10%, you get **81, 44.811, 177.420**, and if you desaturate by 10%, it is **83, 33.689, 179.841**.

Distribution



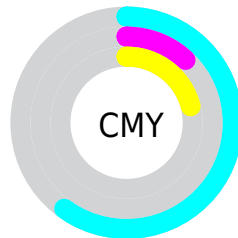
- Red (40%)
- Green (88%)
- Blue (79%)



- Red (40%)
- Yellow (66%)
- Blue (88%)



- Cyan (54%)
- Magenta (0%)
- Yellow (10%)
- Black (12%)





- Cyan (60%)
- Magenta (12%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 39.677, 178.685 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, 39.677, 178.685 by changing the saturation by 10% instead.


 82, 39.677,
178.685

 82, 39.677,
178.685


 100, 39.677,
178.685


 72, 39.677,
178.685

 62, 39.677,
178.685

 52, 39.677,
178.685

 42, 39.677,
178.685

 32, 39.677,
178.685

 22, 39.677,
178.685

 12, 39.677,

178.685

■ 2, 39.677, 178.685

■ 0, 39.677, 178.685

■ 82, 39.677,
178.685

■ 82, 39.677,
178.685

■ 81, 44.811,
177.420

■ 83, 33.689,
179.841

■ 81, 49.014,
176.025

■ 84, 26.962,
180.913

■ 80, 52.271,
174.478

■ 85, 19.631,
181.921

■ 80, 54.645,
172.765

■ 87, 11.837,
182.884

■ 80, 55.705,

■ 88, 3.715, 183.887

171.780

■ 90, 4.618, 4.479

■ 92, 11.765, 3.573

■ 92, 12.507,
353.950

■ 92, 13.569,
345.639

Harmonies

Complementary

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



82, 39.677, 178.685



59, 50.822, 12.192

Rectangle

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



82, 39.677, 178.685



82, 39.677, 228.685



82, 39.677, 358.685



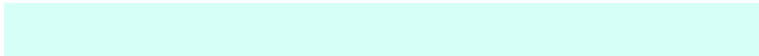
82, 39.677, 48.685

Sweetspot

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



82, 39.677, 178.684



97, 14.488, 182.729



81, 71.842, 135.580



51, 9.746, 182.531



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, 39.677, 178.684



91, 49.938, 177.289



72, 30.536, 239.133



46, 4.683, 183.367



64, 46.346, 172.093



17, 18.323, 175.400

Inverse Universe

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



59, 50.822, 12.192



61, 67.246, 15.351



66, 44.018, 48.962



44, 4.867, 4.943



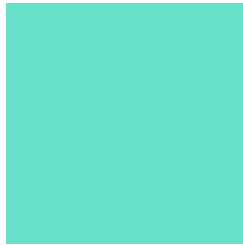
37, 70.753, 30.093



6, 25.281, 12.961

Previews

White Background



This preview shows how the CIE LCh color 82, 39.677, 178.685 looks on a white background.

Color Contrast Check

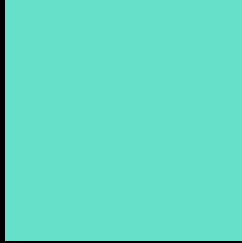
Large Text (above 18pt) WCAG AA × Fail

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, 39.677, 178.685 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

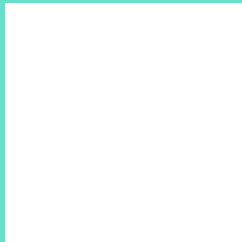
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 39.677, 178.685

Background



This preview shows how black text looks on a background with the CIELCh color 82, 39.677, 178.685.

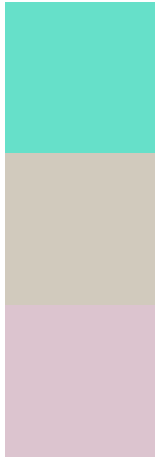


This preview shows how white text looks on a background with the CIELCh color 82, 39.677, 178.685.

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, 39.677, 178.685

Protanopia
82, 7.343, 88.541

Deuteranopia
81, 10.590, 346.872



Tritanopia
82, 31.337, 214.350

Trichromacy



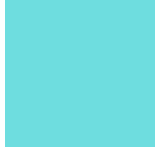
Original Color
82, 39.677, 178.685



Protanomaly
81, 17.043, 166.176



Deuteranomaly
81, 10.224, 195.707

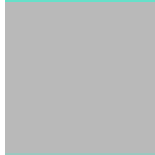


Tritanomaly
82, 32.910, 199.048

Monochromacy



Original Color
82, 39.677, 178.685



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 16.137, 182.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 39.677, 178.685 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(102, 224, 201)` looks like.

```
.text, #text, p{  
    color:rgb(102, 224, 201)  
}
```

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(102, 224, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 224, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 39.677, 178.685 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(102, 224, 201) }
```

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

```
.border{ border-color:rgb(102, 224, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 224, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 224, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 224, 201); box-shadow:4px 4px 4px 4px rgb(102, 224, 201) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 39.677, 178.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 224, 201) }
```

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

```
.background{ background-color: rgb(102,  
224, 201) }
```

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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