

Converting Colors

CIELCh(82, 41.796, 194.457)

Have a look what the booklet for
CIELCh(82, 41.796, 194.457)
contains.

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Color

CIELCh(82, 41.777, 194.404)

Conversions

Conversions Part 1

Format	Color
Hex	42E1DE
RGB	66, 225, 222
RGB Percent	26%, 88%, 87%
CMY	0.7410, 0.1175, 0.1293
CMYK	0.71, 0.00, 0.01, 0.12
HSL	179°, 73%, 57%
HSV	179°, 71%, 88%
XYZ	42.3690, 60.2982, 78.5292
YIQ	177.1170, -93.8010, -34.6410

Conversions

Conversions Part 2

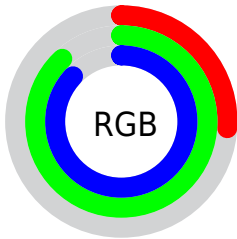
Format	Color
RYB	66, 146, 225
Decimal	4383198
CIELab	82.00, -40.46, -10.39
CIELCh	82, 41.777, 194.404
Yxy	60.2982, 0.2338, 0.3328
Android (android.graphics.Color)	4282573278 (0xFF42E1DE)
YUV	177.1170, 22.1273, -97.4496
Hunter-Lab	77.6519, -38.4964, -5.6035

Details

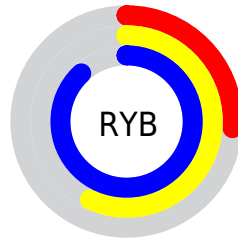
The CIELCh color **82, 41.777, 194.404** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **52, 70.313, 29.549**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.142, 197.260**, and **63, 37.145, 194.598** is the 20% darker color. If you saturate the color by 10%, you get **82, 44.157, 194.070**, and if you desaturate by 10%, it is **83, 38.394, 194.771**.

Distribution



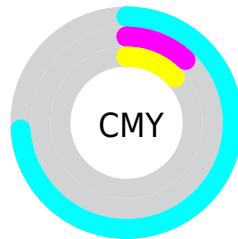
- Red (26%)
- Green (88%)
- Blue (87%)



- Red (26%)
- Yellow (57%)
- Blue (88%)



- Cyan (71%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)




- Cyan (74%)
- Magenta (12%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 41.777, 194.404 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, 41.777, 194.404 by changing the saturation by 10% instead.


 82, 41.777,
194.404


 82, 41.777,
194.404


 100, 41.777,
194.404

 72, 41.777,
194.404

 62, 41.777,
194.404

 52, 41.777,
194.404

 42, 41.777,
194.404

 32, 41.777,
194.404

 22, 41.777,
194.404

 12, 41.777,

194.404

■ 2, 41.777, 194.404

■ 0, 41.777, 194.404

■ 82, 41.777,
194.404

■ 82, 41.777,
194.404

■ 82, 44.157,
194.070

■ 83, 38.394,
194.771

■ 81, 45.590,
193.764

■ 83, 34.020,
195.179

■ 81, 46.261,
193.492

■ 84, 28.719,
195.632

■ 85, 22.592,
196.129

■ 86, 15.762,

196.671

 88, 8.362, 197.271

 89, 0.520, 198.949

 91, 7.646, 18.333

 92, 10.953, 17.919

Harmonies

Complementary

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



82, 41.777, 194.404



52, 70.313, 29.549

Rectangle

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



82, 41.777, 194.404



82, 41.777, 244.404



82, 41.777, 14.404



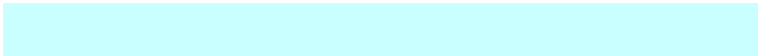
82, 41.777, 64.404

Sweetspot

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



82, 41.777, 194.403



96, 17.713, 196.643



79, 93.110, 137.553



51, 11.880, 196.488



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, 41.777, 194.403



91, 49.435, 193.916



60, 45.056, 268.077



46, 4.462, 197.350



65, 38.483, 193.538



17, 15.769, 193.996

Inverse Universe

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



52, 70.313, 29.549



55, 93.291, 35.085



66, 57.889, 63.256



44, 4.727, 18.404



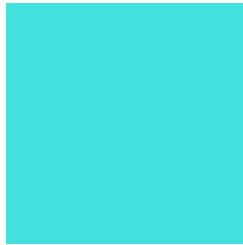
36, 78.284, 39.179



6, 25.495, 20.147

Previews

White Background



This preview shows how the CIELCh color 82, 41.777, 194.404 looks on a white background.

Color Contrast Check

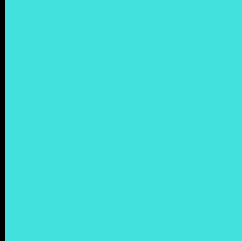
Large Text (above 18pt) WCAG AA × Fail

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, 41.777, 194.404 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

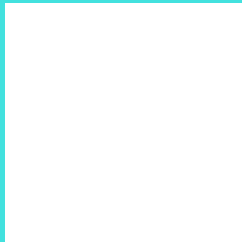
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 41.777, 194.404

Background



This preview shows how black text looks on a background with the CIELCh color 82, 41.777, 194.404.



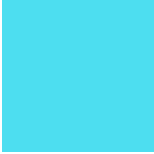
This preview shows how white text looks on a background with the CIELCh color 82, 41.777, 194.404.

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, 38.227, 211.656

Trichromacy



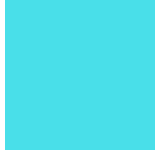
Original Color
82, 41.777, 194.404



Protanomaly
81, 18.680, 203.043



Deuteranomaly
80, 18.550, 231.711

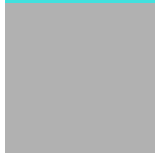


Tritanomaly
82, 39.156, 204.739

Monochromacy



Original Color
82, 41.777, 194.404



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 19.304, 196.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 41.777, 194.404 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(66, 225, 222)` looks like.

```
.text, #text, p{  
    color:rgb(66, 225, 222)  
}
```

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(66, 225, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 225, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 41.777, 194.404 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(66, 225, 222) }
```

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

```
.border{ border-color:rgb(66, 225, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 225, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 225, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 225, 222);  
box-shadow:4px 4px 4px 4px rgb(66, 225,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 41.777, 194.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 225, 222) }
```

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

```
.background{ background-color: rgb(66, 225,  
222) }
```

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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