

Converting Colors

CIELCh(82, 40.043, 210.873)

Have a look what the booklet for
CIELCh(82, 40.043, 210.873)
contains.

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Color

CIELCh(82, 39.997, 210.887)

Conversions

Conversions Part 1

Format	Color
Hex	40DFF1
RGB	64, 223, 241
RGB Percent	25%, 87%, 95%
CMY	0.7482, 0.1250, 0.0544
CMYK	0.73, 0.07, 0.00, 0.05
HSL	186°, 86%, 60%
HSV	186°, 73%, 95%
XYZ	44.4450, 60.2982, 92.6153
YIQ	177.5110, -100.5420, -28.1100

Conversions

Conversions Part 2

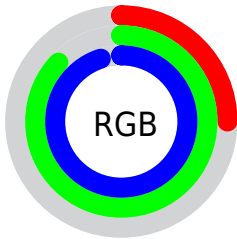
Format	Color
R _{YB}	64, 148, 241
Decimal	4251633
CIE Lab	82.00, -34.32, -20.53
CIE LCh	82, 39.997, 210.887
Yxy	60.2982, 0.2252, 0.3055
Android (android.graphics.Color)	4282441713 (0xFF40DFF1)
YUV	177.5110, 31.3001, -99.5491
Hunter-Lab	77.6519, -33.7243, -16.3588

Details

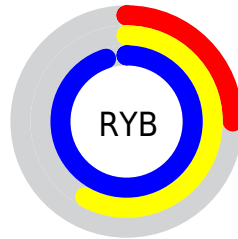
The CIELCh color **82, 39.997, 210.887** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **57, 74.258, 36.204**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.142, 197.260**, and **63, 35.144, 213.652** is the 20% darker color. If you saturate the color by 10%, you get **81, 41.726, 212.113**, and if you desaturate by 10%, it is **83, 37.252, 209.967**.

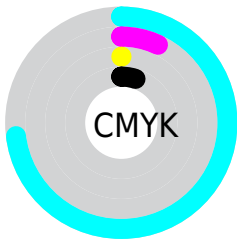
Distribution



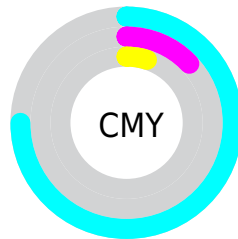
- Red (25%)
- Green (87%)
- Blue (95%)



- Red (25%)
- Yellow (58%)
- Blue (95%)



- Cyan (73%)
- Magenta (7%)
- Yellow (0%)
- Black (5%)




- Cyan (75%)
- Magenta (13%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 39.997, 210.887 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, 39.997, 210.887 by changing the saturation by 10% instead.

 82, 39.997,
210.887

 82, 39.997,
210.887


 100, 39.997,
210.887


 72, 39.997,
210.887

 62, 39.997,
210.887

 52, 39.997,
210.887

 42, 39.997,
210.887

 32, 39.997,
210.887

 22, 39.997,
210.887

 12, 39.997,

210.887

■ 2, 39.997, 210.887

■ 0, 39.997, 210.887

■ 82, 39.997,
210.887

■ 82, 39.997,
210.887

■ 81, 41.726,
212.113

■ 83, 37.252,
209.967

■ 80, 42.519,
213.683

■ 85, 33.493,
209.317

■ 79, 42.674,
214.887

■ 86, 28.778,
208.893

■ 88, 23.206,
208.658

■ 90, 16.899,

208.582

■ 92, 9.983, 208.645

■ 94, 2.584, 208.963

■ 97, 4.437, 30.310

■ 97, 4.045, 50.329

Harmonies

Complementary

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



82, 39.997, 210.887



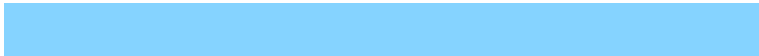
57, 74.258, 36.204

Rectangle

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



82, 39.997, 210.887



82, 39.997, 260.887



82, 39.997, 30.887



82, 39.997, 80.887

Sweetspot

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



82, 39.996, 210.886



95, 16.721, 208.583



84, 96.216, 139.876



50, 11.127, 208.584



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, 39.996, 210.886



85, 44.049, 212.837



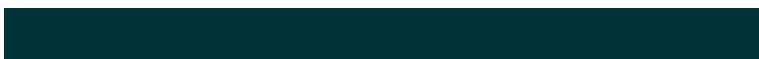
57, 61.230, 282.603



49, 4.268, 208.713



62, 34.830, 214.533



18, 15.380, 211.724

Inverse Universe

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



60, 92.732, 331.512



60, 104.651, 332.251



75, 64.460, 74.986



47, 8.028, 327.851



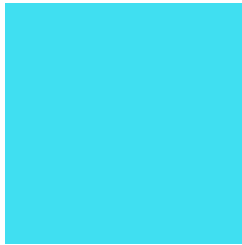
43, 83.375, 332.744



10, 36.801, 332.056

Previews

White Background



This preview shows how the CIE LCh color 82, 39.997, 210.887 looks on a white background.

Color Contrast Check

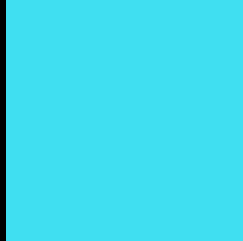
Large Text (above 18pt) WCAG AA × Fail

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, 39.997, 210.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

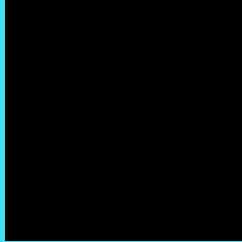
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 39.997, 210.887

Background



This preview shows how black text looks on a background with the CIELCh color 82, 39.997, 210.887.

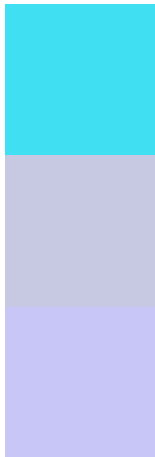


This preview shows how white text looks on a background with the CIELCh color 82, 39.997, 210.887.

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](#).

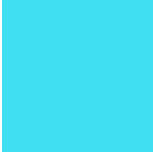
Dichromacy



Original Color
82, 39.997, 210.887

Protanopia
82, 13.283, 288.363

Deuteranopia
82, 26.073, 293.880

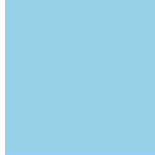


Tritanopia
82, 39.997, 210.887

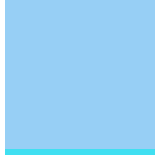
Trichromacy



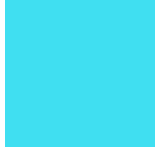
Original Color
82, 39.997, 210.887



Protanomaly
81, 21.870, 232.581



Deuteranomaly
81, 25.907, 250.335

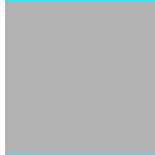


Tritanomaly
82, 39.997, 210.887

Monochromacy



Original Color
82, 39.997, 210.887



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 19.130, 209.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 39.997, 210.887 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(64, 223, 241)` looks like.

```
.text, #text, p{  
    color:rgb(64, 223, 241)  
}
```

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(64, 223, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 223, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 39.997, 210.887 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(64, 223, 241) }
```

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

```
.border{ border-color:rgb(64, 223, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 223, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 223, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 223, 241);  
box-shadow:4px 4px 4px 4px rgb(64, 223,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 39.997, 210.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 223, 241) }
```

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

```
.background{ background-color: rgb(64, 223,  
241) }
```

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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