

Converting Colors

CIELCh(82, 38.618, 217.515)

Have a look what the booklet for
CIELCh(82, 38.618, 217.515)
contains.

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Color

CIELCh(82, 38.700, 217.384)

Conversions

Conversions Part 1

Format	Color
Hex	4BDEF7
RGB	75, 222, 247
RGB Percent	29%, 87%, 97%
CMY	0.7071, 0.1303, 0.0323
CMYK	0.70, 0.10, 0.00, 0.03
HSL	189°, 91%, 63%
HSV	189°, 70%, 97%
XYZ	45.6843, 60.2982, 97.0304
YIQ	180.8970, -95.6370, -23.3890

Conversions

Conversions Part 2

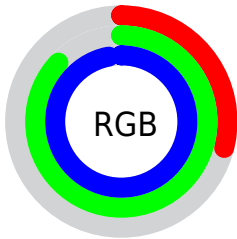
Format	Color
RYB	75, 154, 247
Decimal	4972279
CIELab	82.00, -30.75, -23.50
CIElCh	82, 38.700, 217.384
Yxy	60.2982, 0.2250, 0.2970
Android (android.graphics.Color)	4283162359 (0xFF4BDEF7)
YUV	180.8970, 32.5888, -92.8717
Hunter-Lab	77.6519, -30.8753, -19.7298

Details

The CIELCh color **82, 38.700, 217.384** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light washed cyan. A complement of this color would be **61, 69.623, 37.925**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.320, 197.370**, and **63, 35.264, 220.638** is the 20% darker color. If you saturate the color by 10%, you get **81, 40.837, 219.157**, and if you desaturate by 10%, it is **84, 35.570, 216.026**.

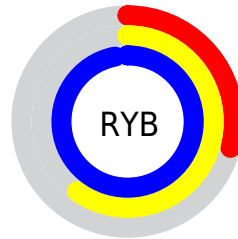
Distribution



Red (29%)

Green (87%)

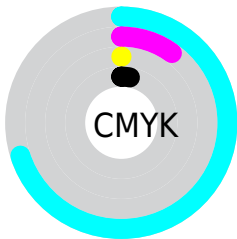
Blue (97%)



Red (29%)

Yellow (60%)

Blue (97%)

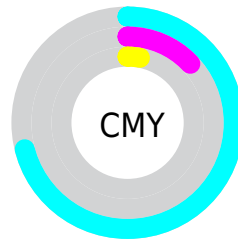


Cyan (70%)

Magenta (10%)

Yellow (0%)

Black (3%)



Cyan (71%)


Magenta (13%)


Yellow (3%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 38.700, 217.384 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, 38.700, 217.384 by changing the saturation by 10% instead.

 82, 38.700,
217.384

 82, 38.700,
217.384


 100, 38.700,
217.384


 72, 38.700,
217.384

 62, 38.700,
217.384

 52, 38.700,
217.384

 42, 38.700,
217.384

 32, 38.700,
217.384

 22, 38.700,
217.384

 12, 38.700,

217.384

■ 2, 38.700, 217.384

■ 0, 38.700, 217.384

■ 82, 38.700,
217.384

■ 82, 38.700,
217.384

■ 81, 40.837,
219.157

■ 84, 35.570,
216.026

■ 79, 42.043,
221.408

■ 85, 31.471,
215.022

■ 78, 42.522,
224.128

■ 88, 26.474,
214.308

■ 78, 42.532,
224.202

■ 90, 20.687,
213.833

■ 92, 14.232,

213.553

■ 95, 7.232, 213.451

■ 97, 0.199, 30.080

■ 99, 2.449, 68.828

■ 100, 3.687,
104.500

Harmonies

Complementary

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



82, 38.700, 217.384



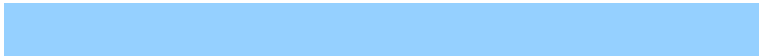
61, 69.623, 37.925

Rectangle

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



82, 38.700, 217.384



82, 38.700, 267.384



82, 38.700, 37.384



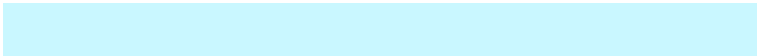
82, 38.700, 87.384

Sweetspot

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



82, 38.699, 217.383



94, 15.485, 213.579



86, 92.468, 141.241



50, 10.382, 213.645



0, 0.000, 0.000



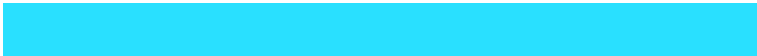
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 38.699, 217.383



82, 42.523, 220.088



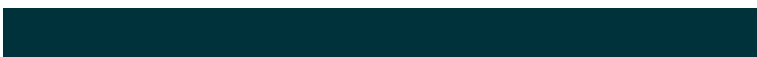
58, 62.352, 283.967



50, 4.197, 213.451



60, 34.440, 223.654



18, 15.415, 219.569

Inverse Universe

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



62, 88.922, 333.055



60, 100.037, 334.002



79, 63.289, 78.552



48, 7.924, 329.231



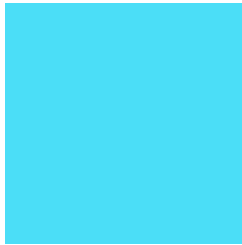
43, 81.425, 335.008



10, 36.745, 333.986

Previews

White Background



This preview shows how the CIE LCh color 82, 38.700, 217.384 looks on a white background.

Color Contrast Check

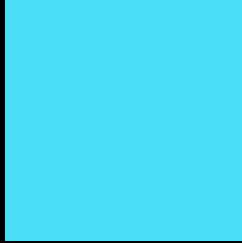
Large Text (above 18pt) WCAG AA × Fail

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, 38.700, 217.384 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, 38.700, 217.384

Background



This preview shows how black text looks on a background with the CIELCh color 82, 38.700, 217.384.



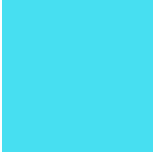
This preview shows how white text looks on a background with the CIELCh color 82, 38.700, 217.384.

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, 39.180, 211.232

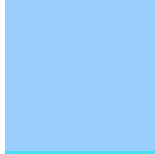
Trichromacy



Original Color
82, 38.700, 217.384



Protanomaly
81, 22.847, 241.213



Deuteranomaly
81, 27.508, 255.437

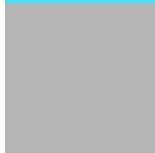


Tritanomaly
82, 39.070, 212.937

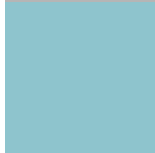
Monochromacy



Original Color
82, 38.700, 217.384



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 18.374, 213.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 38.700, 217.384 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, 222, 247)` looks like.

```
.text, #text, p{  
    color:rgb(75, 222, 247)  
}
```

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, 222, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 222, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 38.700, 217.384 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, 222, 247) }
```

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

```
.border{ border-color:rgb(75, 222, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 222, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 222, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 222, 247);  
box-shadow:4px 4px 4px 4px rgb(75, 222,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 38.700, 217.384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 222, 247) }
```

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

```
.background{ background-color: rgb(75, 222,  
247) }
```

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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