

Converting Colors

CIELCh(82, 37.137, 218.874)

Have a look what the booklet for
CIELCh(82, 37.137, 218.874)
contains.

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Color

CIELCh(82, 37.055, 218.431)

Conversions

Conversions Part 1

Format	Color
Hex	56DDF6
RGB	86, 221, 246
RGB Percent	34%, 87%, 96%
CMY	0.6631, 0.1336, 0.0356
CMYK	0.65, 0.10, 0.00, 0.04
HSL	189°, 90%, 65%
HSV	189°, 65%, 96%
XYZ	46.2900, 60.2982, 96.3295
YIQ	183.4850, -88.4850, -20.8450

Conversions

Conversions Part 2

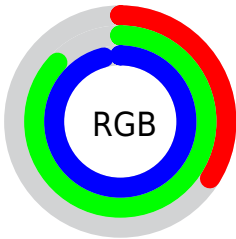
Format	Color
RYP	86, 159, 246
Decimal	5692918
CIELab	82.00, -29.03, -23.03
CIElCh	82, 37.055, 218.431
Yxy	60.2982, 0.2281, 0.2972
Android (android.graphics.Color)	4283882998 (0xFF56DDF6)
YUV	183.4850, 30.8199, -85.4943
Hunter-Lab	77.6519, -29.4832, -19.1947

Details

The CIELCh color **82, 37.055, 218.431** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **63, 63.502, 37.928**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.401, 197.485**, and **62, 35.197, 219.662** is the 20% darker color. If you saturate the color by 10%, you get **80, 39.664, 220.155**, and if you desaturate by 10%, it is **84, 33.474, 217.119**.

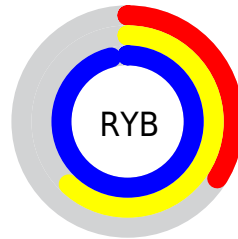
Distribution



Red (34%)

Green (87%)

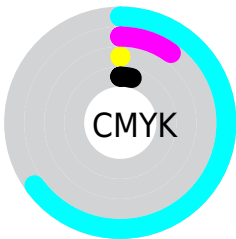
Blue (96%)



Red (34%)

Yellow (62%)

Blue (96%)

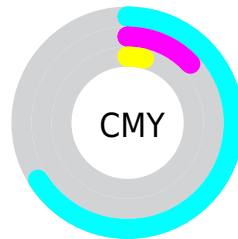


Cyan (65%)

Magenta (10%)

Yellow (0%)

Black (4%)



Cyan (66%)

Magenta (13%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 37.055, 218.431 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, 37.055, 218.431 by changing the saturation by 10% instead.

■ 82, 37.055,
218.431

■ 82, 37.055,
218.431

■ 100, 37.055,
218.431

■ 72, 37.055,
218.431

■ 62, 37.055,
218.431

■ 52, 37.055,
218.431

■ 42, 37.055,
218.431

■ 32, 37.055,
218.431

■ 22, 37.055,
218.431

■ 12, 37.055,

218.431

■ 2, 37.055, 218.431

■ 0, 37.055, 218.431

■ 82, 37.055,
218.431

■ 82, 37.055,
218.431

■ 80, 39.664,
220.155

■ 84, 33.474,
217.119

■ 79, 41.325,
222.364

■ 86, 28.969,
216.154

■ 78, 42.147,
225.107

■ 88, 23.630,
215.471

■ 77, 42.364,
226.613

■ 90, 17.569,
215.018

■ 93, 10.909,

214.757

■ 95, 3.768, 214.727

■ 98, 2.705, 40.200

■ 99, 3.124, 87.753

■ 100, 4.589,
109.818

Harmonies

Complementary

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



82, 37.055, 218.431



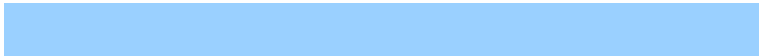
63, 63.502, 37.928

Rectangle

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



82, 37.055, 218.431



82, 37.055, 268.431



82, 37.055, 38.431



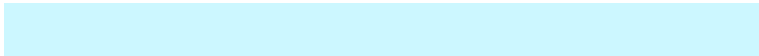
82, 37.055, 88.431

Sweetspot

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



82, 37.054, 218.430



95, 14.687, 214.864



86, 86.342, 142.388



50, 9.926, 214.945



0, 0.000, 0.000



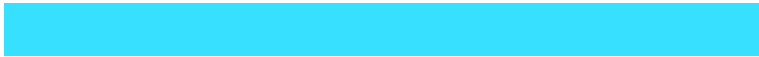
53, 0.007, 296.813

Same Dimension

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



82, 37.054, 218.430



83, 41.395, 220.782



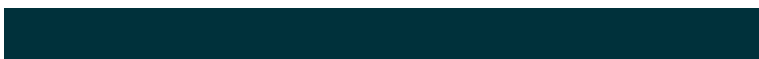
60, 59.259, 283.635



50, 4.165, 214.696



60, 34.379, 226.025



18, 15.355, 221.583

Inverse Universe

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



63, 84.038, 333.197



61, 96.355, 334.089



80, 59.506, 80.759



48, 7.863, 329.593



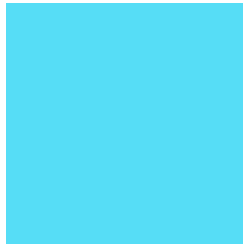
43, 80.741, 335.612



10, 36.474, 334.488

Previews

White Background



This preview shows how the CIE LCh color 82, 37.055, 218.431 looks on a white background.

Color Contrast Check

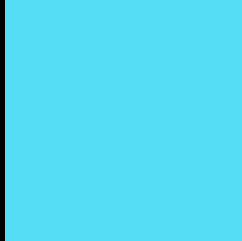
Large Text (above 18pt) WCAG AA × Fail

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, 37.055, 218.431 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, 37.055, 218.431

Background



This preview shows how black text looks on a background with the CIELCh color 82, 37.055, 218.431.

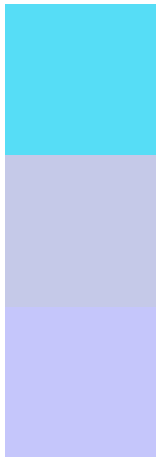


This preview shows how white text looks on a background with the CIELCh color 82, 37.055, 218.431.

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, 37.055, 218.431

Protanopia

82, 16.490, 286.886

Deuteranopia

81, 28.170, 291.953

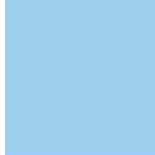


Tritanopia
82, 37.386, 212.041

Trichromacy



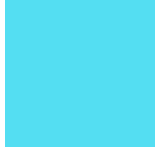
Original Color
82, 37.055, 218.431



Protanomaly
81, 21.842, 243.790



Deuteranomaly
81, 26.791, 257.934

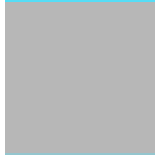


Tritanomaly
82, 37.281, 213.834

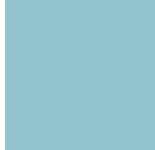
Monochromacy



Original Color
82, 37.055, 218.431



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 16.928, 214.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 37.055, 218.431 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(86, 221, 246)` looks like.

```
.text, #text, p{  
    color:rgb(86, 221, 246)  
}
```

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(86, 221, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 221, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 37.055, 218.431 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(86, 221, 246) }
```

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

```
.border{ border-color:rgb(86, 221, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 221, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 221, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 221, 246);  
box-shadow:4px 4px 4px 4px rgb(86, 221,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 37.055, 218.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 221, 246) }
```

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

```
.background{ background-color: rgb(86, 221,  
246) }
```

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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