

Converting Colors

CIELCh(82, 33.857, 233.546)

Have a look what the booklet for
CIELCh(82, 33.857, 233.546)
contains.

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Color

CIELCh(82, 33.847, 233.592)

Conversions

Conversions Part 1

Format	Color
Hex	71D9FE
RGB	113, 217, 254
RGB Percent	44%, 85%, 100%
CMY	0.5568, 0.1490, 0.0039
CMYK	0.56, 0.15, 0.00, 0.00
HSL	196°, 99%, 72%
HSV	196°, 56%, 100%
XYZ	49.5174, 60.2982, 102.8032
YIQ	190.1220, -73.8610, -10.5410

Conversions

Conversions Part 2

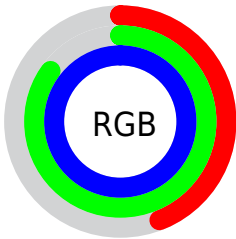
Format	Color
RYB	113, 173, 254
Decimal	7461374
CIELab	82.00, -20.09, -27.24
CIELCh	82, 33.847, 233.592
Yxy	60.2982, 0.2329, 0.2836
Android (android.graphics.Color)	4285651454 (0xFF71D9FE)
YUV	190.1220, 31.4919, -67.6360
Hunter-Lab	77.6519, -22.0642, -24.1376

Details

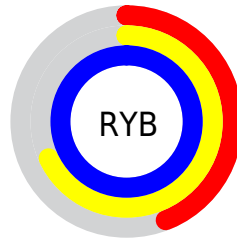
The CIELCh color **82, 33.847, 233.592** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **72, 50.729, 45.535**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.662, 197.835**, and **62, 33.787, 233.414** is the 20% darker color. If you saturate the color by 10%, you get **79, 37.860, 236.111**, and if you desaturate by 10%, it is **85, 29.079, 231.607**.

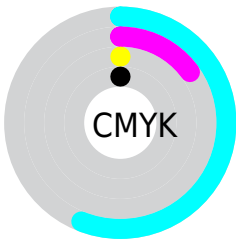
Distribution



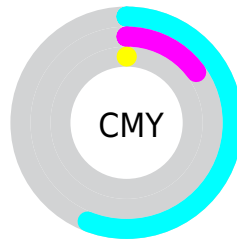
- Red (44%)
- Green (85%)
- Blue (100%)



- Red (44%)
- Yellow (68%)
- Blue (100%)



- Cyan (56%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 33.847, 233.592 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, 33.847, 233.592 by changing the saturation by 10% instead.


 82, 33.847,
233.592


 82, 33.847,
233.592


 100, 33.847,
233.592


 72, 33.847,
233.592

 62, 33.847,
233.592

 52, 33.847,
233.592

 42, 33.847,
233.592

 32, 33.847,
233.592

 22, 33.847,
233.592

 12, 33.847,

233.592

■ 2, 33.847, 233.592

■ 0, 33.847, 233.592

■ 82, 33.847,
233.592

■ 82, 33.847,
233.592

■ 79, 37.860,
236.111

■ 85, 29.079,
231.607

■ 77, 41.114,
239.259

■ 88, 23.618,
230.064

■ 74, 43.682,
243.107

■ 91, 17.552,
228.878

■ 72, 45.730,
247.654

■ 94, 10.978,
227.984

■ 71, 46.590,

■ 98, 3.993, 227.388

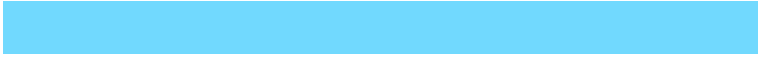
249.827

100, 0.490,
109.983

Harmonies

Complementary

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



82, 33.847, 233.592



72, 50.729, 45.535

Rectangle

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



82, 33.847, 233.592



82, 33.847, 283.592



82, 33.847, 53.592



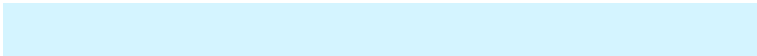
82, 33.847, 103.592

Sweetspot

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



82, 33.846, 233.591



94, 12.025, 228.101



90, 71.912, 146.922



49, 7.999, 228.267



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, 33.846, 233.591



79, 38.511, 236.542



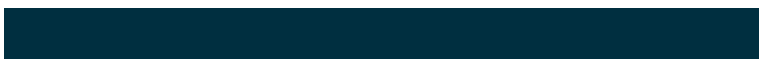
63, 59.183, 287.474



51, 4.097, 227.578



55, 37.421, 248.916



17, 16.640, 242.344

Inverse Universe

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



68, 71.079, 337.018



64, 82.266, 338.131



88, 55.784, 90.157



50, 7.540, 333.410



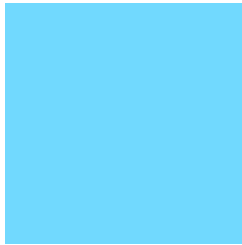
43, 76.190, 342.247



11, 35.838, 340.132

Previews

White Background



This preview shows how the CIE LCh color 82, 33.847, 233.592 looks on a white background.

Color Contrast Check

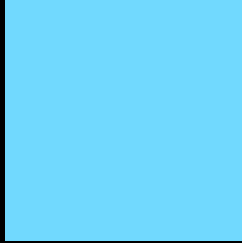
Large Text (above 18pt) WCAG AA × Fail

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, 33.847, 233.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

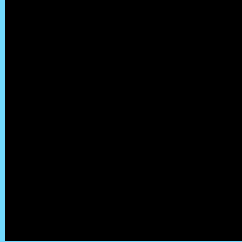
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 33.847, 233.592

Background



This preview shows how black text looks on a background with the CIELCh color 82, 33.847, 233.592.

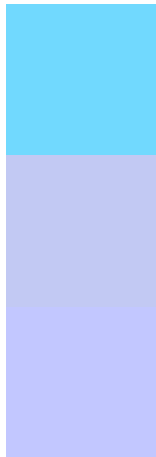


This preview shows how white text looks on a background with the CIELCh color 82, 33.847, 233.592.

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, 33.847, 233.592

Protanopia
82, 22.359, 286.176

Deuteranopia
82, 29.749, 289.650



Tritanopia
82, 32.970, 214.373

Trichromacy



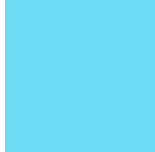
Original Color
82, 33.847, 233.592



Protanomaly
81, 24.504, 259.478



Deuteranomaly
81, 28.397, 266.054

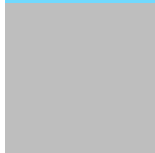


Tritanomaly
82, 32.943, 221.489

Monochromacy



Original Color
82, 33.847, 233.592



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 14.379, 227.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 33.847, 233.592 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(113, 217, 254)` looks like.

```
.text, #text, p{  
    color:rgb(113, 217, 254)  
}
```

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(113, 217, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 217, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 33.847, 233.592 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(113, 217, 254) }
```

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

```
.border{ border-color:rgb(113, 217, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 217, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 217, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 217, 254);  
box-shadow:4px 4px 4px 4px rgb(113, 217,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 33.847, 233.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 217, 254) }
```

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

```
.background{ background-color: rgb(113,  
217, 254) }
```

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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