

Converting Colors

CIELCh(82, 31.360, 235.743)

Have a look what the booklet for
CIELCh(82, 31.360, 235.743)
contains.

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Color

CIELCh(82, 31.421, 235.733)

Conversions

Conversions Part 1

Format	Color
Hex	7DD8FC
RGB	125, 216, 252
RGB Percent	49%, 85%, 99%
CMY	0.5110, 0.1541, 0.0130
CMYK	0.50, 0.14, 0.00, 0.01
HSL	197°, 95%, 74%
HSV	197°, 50%, 99%
XYZ	50.4080, 60.2982, 100.8145
YIQ	192.8950, -65.7920, -8.0960

Conversions

Conversions Part 2

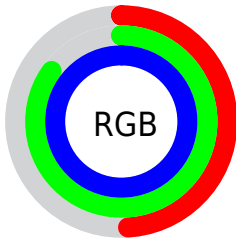
Format	Color
RYB	125, 178, 252
Decimal	8247548
CIELab	82.00, -17.69, -25.97
CIELCh	82, 31.421, 235.733
Yxy	60.2982, 0.2383, 0.2851
Android (android.graphics.Color)	4286437628 (0xFF7DD8FC)
YUV	192.8950, 29.1388, -59.5439
Hunter-Lab	77.6519, -20.0170, -22.6192

Details

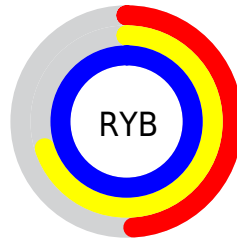
The CIELCh color **82, 31.421, 235.733** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **74, 44.484, 47.450**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.846, 198.009**, and **62, 31.309, 235.618** is the 20% darker color. If you saturate the color by 10%, you get **79, 35.920, 238.148**, and if you desaturate by 10%, it is **85, 26.243, 233.823**.

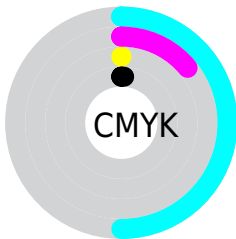
Distribution



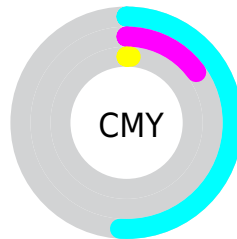
- Red (49%)
- Green (85%)
- Blue (99%)



- Red (49%)
- Yellow (70%)
- Blue (99%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (1%)





- Cyan (51%)
- Magenta (15%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 31.421, 235.733 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, 31.421, 235.733 by changing the saturation by 10% instead.


 82, 31.421,
235.733


 82, 31.421,
235.733


 100, 31.421,
235.733


 72, 31.421,
235.733

 62, 31.421,
235.733

 52, 31.421,
235.733

 42, 31.421,
235.733

 32, 31.421,
235.733

 22, 31.421,
235.733

 12, 31.421,

235.733

■ 2, 31.421, 235.733

■ 0, 31.421, 235.733

■ 82, 31.421,
235.733

■ 82, 31.421,
235.733

■ 79, 35.920,
238.148

■ 85, 26.243,
233.823

■ 76, 39.718,
241.167

■ 88, 20.458,
232.331

■ 74, 42.850,
244.868

■ 92, 14.151,
231.176

■ 71, 45.444,
249.277

■ 95, 7.415, 230.309

■ 69, 47.657,

■ 99, 0.338, 231.334

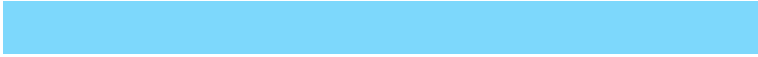
253.995

100, 1.670,
110.007

Harmonies

Complementary

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



82, 31.421, 235.733



74, 44.484, 47.450

Rectangle

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



82, 31.421, 235.733



82, 31.421, 285.733



82, 31.421, 55.733



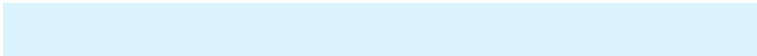
82, 31.421, 105.733

Sweetspot

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



82, 31.420, 235.732



95, 10.632, 230.668



90, 63.806, 148.809



50, 7.216, 230.855



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, 31.420, 235.732



80, 36.521, 238.306



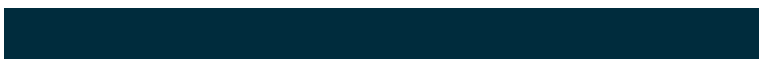
65, 55.383, 288.091



50, 4.015, 230.241



53, 38.101, 253.031



16, 16.471, 245.839

Inverse Universe

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



70, 64.119, 337.509



66, 75.859, 338.539



90, 51.832, 93.196



49, 7.306, 334.234



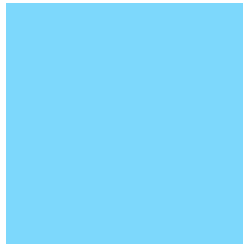
42, 74.387, 343.706



10, 34.485, 341.227

Previews

White Background



This preview shows how the CIE LCh color 82, 31.421, 235.733 looks on a white background.

Color Contrast Check

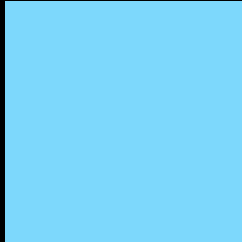
Large Text (above 18pt) WCAG AA × Fail

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, 31.421, 235.733 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, 31.421, 235.733

Background



This preview shows how black text looks on a background with the CIELCh color 82, 31.421, 235.733.

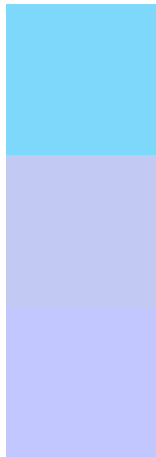


This preview shows how white text looks on a background with the CIELCh color 82, 31.421, 235.733.

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, 31.421, 235.733

Protanopia
82, 21.833, 285.974

Deuteranopia
82, 29.739, 290.262



Tritanopia
82, 30.148, 216.204

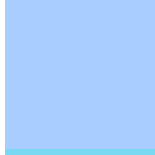
Trichromacy



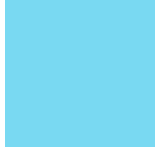
Original Color
82, 31.421, 235.733



Protanomaly
81, 23.828, 262.574



Deuteranomaly
81, 27.874, 268.794

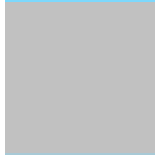


Tritanomaly
82, 30.262, 223.951

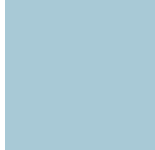
Monochromacy



Original Color
82, 31.421, 235.733



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 13.004, 231.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 31.421, 235.733 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(125, 216, 252)` looks like.

```
.text, #text, p{  
    color:rgb(125, 216, 252)  
}
```

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(125, 216, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 216, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 31.421, 235.733 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(125, 216, 252) }
```

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

```
.border{ border-color:rgb(125, 216, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 216, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 216, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 216, 252);  
box-shadow:4px 4px 4px 4px rgb(125, 216,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 31.421, 235.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 216, 252) }
```

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

```
.background{ background-color: rgb(125,  
216, 252) }
```

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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