

Converting Colors

CIELCh(82, 29.619, 228.435)

Have a look what the booklet for
CIELCh(82, 29.619, 228.435)
contains.

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Color

CIELCh(82, 29.733, 229.313)

Conversions

Conversions Part 1

Format	Color
Hex	7ED8F5
RGB	126, 216, 245
RGB Percent	49%, 85%, 96%
CMY	0.5049, 0.1520, 0.0382
CMYK	0.49, 0.12, 0.00, 0.04
HSL	195°, 86%, 73%
HSV	195°, 49%, 96%
XYZ	49.7784, 60.2982, 95.5993
YIQ	192.3960, -62.9490, -10.0610

Conversions

Conversions Part 2

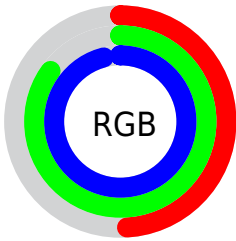
Format	Color
R _Y B	126, 177, 245
Decimal	8313077
CIE Lab	82.00, -19.38, -22.55
CIE LCh	82, 29.733, 229.313
Yxy	60.2982, 0.2420, 0.2932
Android (android.graphics.Color)	4286503157 (0xFF7ED8F5)
YUV	192.3960, 25.9338, -58.2293
Hunter-Lab	77.6519, -21.4643, -18.6372

Details

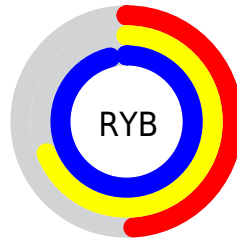
The CIELCh color **82, 29.733, 229.313** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **73, 42.299, 43.733**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.558, 198.027**, and **62, 29.804, 229.715** is the 20% darker color. If you saturate the color by 10%, you get **79, 34.070, 231.267**, and if you desaturate by 10%, it is **85, 24.665, 227.798**.

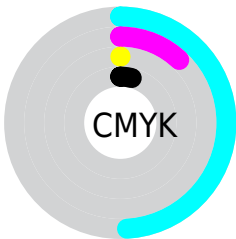
Distribution



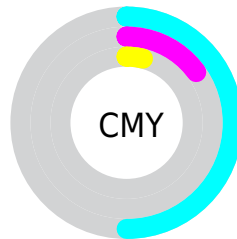
- Red (49%)
- Green (85%)
- Blue (96%)



- Red (49%)
- Yellow (69%)
- Blue (96%)



- Cyan (49%)
- Magenta (12%)
- Yellow (0%)
- Black (4%)





- Cyan (50%)
- Magenta (15%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 29.733, 229.313 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, 29.733, 229.313 by changing the saturation by 10% instead.


 82, 29.733,
229.313


 82, 29.733,
229.313


 100, 29.733,
229.313


 72, 29.733,
229.313

 62, 29.733,
229.313

 52, 29.733,
229.313

 42, 29.733,
229.313

 32, 29.733,
229.313

 22, 29.733,
229.313

 12, 29.733,

229.313

■ 2, 29.733, 229.313

■ 0, 29.733, 229.313

■ 82, 29.733,
229.313

■ 82, 29.733,
229.313

■ 79, 34.070,
231.267

■ 85, 24.665,
227.798

■ 77, 37.625,
233.760

■ 88, 18.953,
226.645

■ 75, 40.403,
236.882

■ 91, 12.696,
225.782

■ 73, 42.490,
240.697

■ 94, 5.994, 225.180

■ 71, 44.091,

■ 97, 1.060, 44.012

245.166

99, 3.613, 93.445

71, 44.325,
245.843

100, 4.933,
109.794

Harmonies

Complementary

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



82, 29.733, 229.313



73, 42.299, 43.733

Rectangle

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



82, 29.733, 229.313



82, 29.733, 279.313



82, 29.733, 49.313



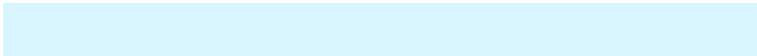
82, 29.733, 99.313

Sweetspot

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



82, 29.732, 229.311



95, 10.716, 225.541



88, 62.611, 147.298



50, 7.269, 225.684



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, 29.732, 229.311



82, 34.928, 231.180



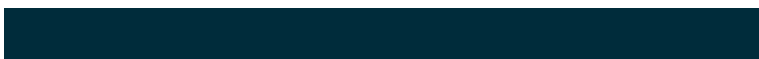
66, 48.656, 284.609



50, 3.983, 225.225



55, 35.879, 244.970



16, 15.523, 238.096

Inverse Universe

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



69, 62.243, 335.584



67, 74.818, 336.398



86, 46.929, 89.892



48, 7.389, 332.693



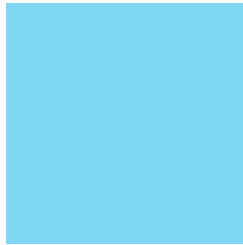
42, 75.674, 340.949



10, 34.436, 338.873

Previews

White Background



This preview shows how the CIELCh color 82, 29.733, 229.313 looks on a white background.

Color Contrast Check

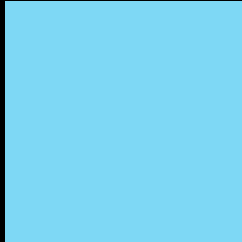
Large Text (above 18pt) WCAG AA × Fail

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, 29.733, 229.313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

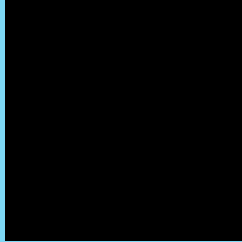
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 29.733, 229.313

Background



This preview shows how black text looks on a background with the CIELCh color 82, 29.733, 229.313.

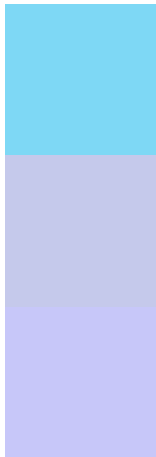


This preview shows how white text looks on a background with the CIELCh color 82, 29.733, 229.313.

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, 29.733, 229.313

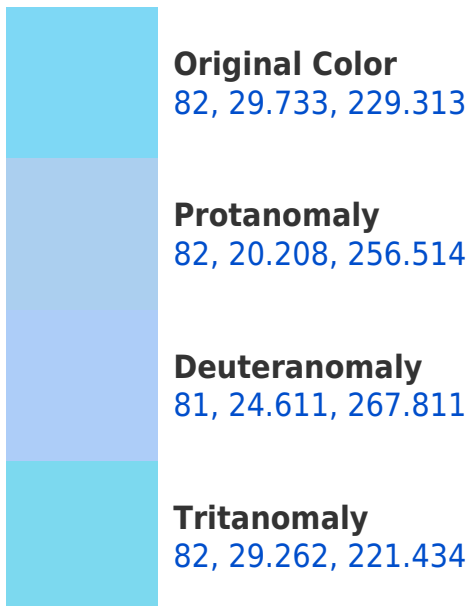
Protanopia
82, 18.074, 287.465

Deuteranopia
82, 26.560, 292.470

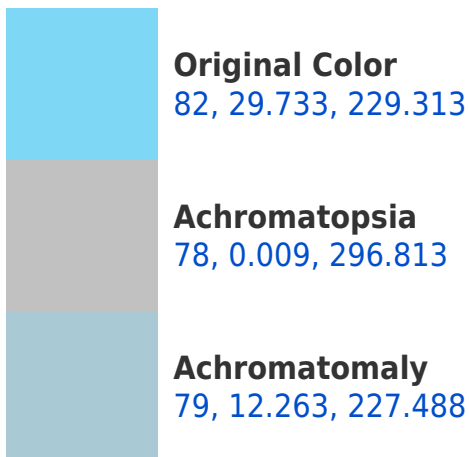


Tritanopia
82, 29.223, 215.746

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 29.733, 229.313 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(126, 216, 245)` looks like.

```
.text, #text, p{  
    color:rgb(126, 216, 245)  
}
```

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(126, 216, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 216, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 29.733, 229.313 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(126, 216, 245) }
```

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

```
.border{ border-color:rgb(126, 216, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 216, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 216, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 216, 245);  
box-shadow:4px 4px 4px 4px rgb(126, 216,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 29.733, 229.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 216, 245) }
```

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

```
.background{ background-color: rgb(126,  
216, 245) }
```

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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