

Converting Colors

CIELCh(82, 30.967, 238.217)

Have a look what the booklet for
CIELCh(82, 30.967, 238.217)
contains.

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Color

CIELCh(82, 30.794, 238.019)

Conversions

Conversions Part 1

Format	Color
Hex	81D7FC
RGB	129, 215, 252
RGB Percent	51%, 84%, 99%
CMY	0.4941, 0.1568, 0.0117
CMYK	0.49, 0.15, 0.00, 0.01
HSL	198°, 95%, 75%
HSV	198°, 49%, 99%
XYZ	50.9261, 60.2982, 101.0524
YIQ	193.5040, -63.1330, -6.7250

Conversions

Conversions Part 2

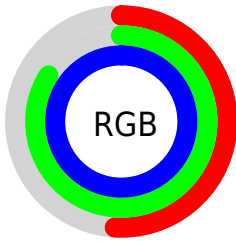
Format	Color
RYB	129, 180, 252
Decimal	8509436
CIELab	82.00, -16.31, -26.12
CIELCh	82, 30.794, 238.019
Yxy	60.2982, 0.2399, 0.2841
Android (android.graphics.Color)	4286699516 (0xFF81D7FC)
YUV	193.5040, 28.8385, -56.5700
Hunter-Lab	77.6519, -18.8259, -22.8008

Details

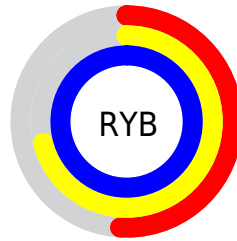
The CIELCh color **82, 30.794, 238.019** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **76, 42.518, 49.156**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.687, 198.082**, and **62, 30.760, 237.904** is the 20% darker color. If you saturate the color by 10%, you get **79, 35.535, 240.478**, and if you desaturate by 10%, it is **85, 25.422, 236.063**.

Distribution



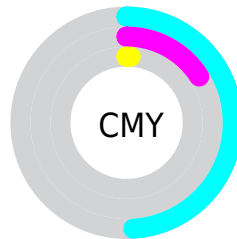
- Red (51%)
- Green (84%)
- Blue (99%)



- Red (51%)
- Yellow (71%)
- Blue (99%)



- Cyan (49%)
- Magenta (15%)
- Yellow (0%)
- Black (1%)





- Cyan (49%)
- Magenta (16%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 30.794, 238.019 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, 30.794, 238.019 by changing the saturation by 10% instead.


 82, 30.794,
238.019


 82, 30.794,
238.019


 100, 30.794,
238.019


 72, 30.794,
238.019

 62, 30.794,
238.019

 52, 30.794,
238.019

 42, 30.794,
238.019

 32, 30.794,
238.019

 22, 30.794,
238.019

 12, 30.794,

238.019

■ 2, 30.794, 238.019

■ 0, 30.794, 238.019

■ 82, 30.794,
238.019

■ 82, 30.794,
238.019

■ 79, 35.535,
240.478

■ 85, 25.422,
236.063

■ 76, 39.620,
243.539

■ 89, 19.486,
234.524

■ 73, 43.082,
247.276

■ 92, 13.071,
233.323

■ 71, 46.039,
251.714

■ 96, 6.262, 232.419

■ 99, 0.855, 51.015

■ 68, 48.718,

256.735

100, 1.508,

110.014

■ 68, 49.046,
257.334

Harmonies

Complementary

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



82, 30.794, 238.019



76, 42.518, 49.156

Rectangle

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



82, 30.794, 238.019



82, 30.794, 288.019



82, 30.794, 58.019



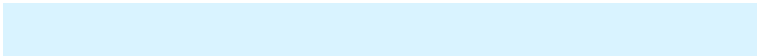
82, 30.794, 108.019

Sweetspot

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



82, 30.793, 238.018



94, 10.622, 232.944



90, 61.132, 149.649



50, 7.211, 233.149



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, 30.793, 238.018



80, 35.957, 240.542



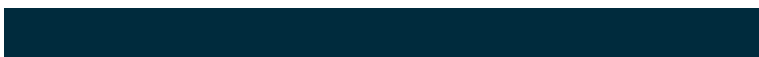
65, 54.643, 288.610



50, 4.009, 232.470



52, 39.126, 256.350



16, 16.768, 248.969

Inverse Universe

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



70, 61.599, 338.160



66, 73.095, 339.187



91, 50.931, 94.527



49, 7.215, 334.940



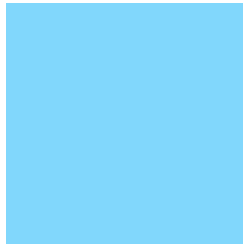
42, 73.552, 344.977



10, 34.123, 342.265

Previews

White Background



This preview shows how the CIELCh color 82, 30.794, 238.019 looks on a white background.

Color Contrast Check

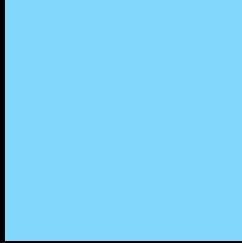
Large Text (above 18pt) WCAG AA × Fail

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, 30.794, 238.019 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, 30.794, 238.019

Background



This preview shows how black text looks on a background with the CIELCh color 82, 30.794, 238.019.



This preview shows how white text looks on a background with the CIELCh color 82, 30.794, 238.019.

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](#).

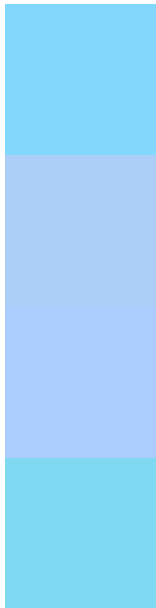
Dichromacy





Tritanopia
82, 29.004, 215.900

Trichromacy



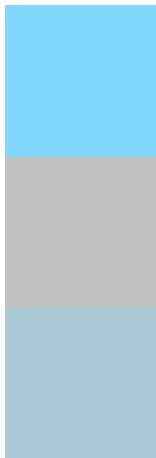
Original Color
82, 30.794, 238.019

Protanomaly
81, 23.696, 263.216

Deuteranomaly
82, 27.670, 269.922

Tritanomaly
82, 29.109, 223.939

Monochromacy



Original Color
82, 30.794, 238.019

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 12.726, 231.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 30.794, 238.019 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(129, 215, 252)` looks like.

```
.text, #text, p{  
    color:rgb(129, 215, 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(129, 215, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 215, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 30.794, 238.019 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(129, 215, 252) }
```

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

```
.border{ border-color:rgb(129, 215, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 215, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 215, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 215, 252); box-shadow:4px 4px 4px 4px rgb(129, 215, 252) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 30.794, 238.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 215, 252) }
```

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

```
.background{ background-color: rgb(129,  
215, 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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