

Converting Colors

CIELCh(83, 47.959, 260.237)

Have a look what the booklet for
CIELCh(83, 47.959, 260.237)
contains.

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Color

CIELCh(82, 34.899, 234.546)

Conversions

Conversions Part 1

Format	Color
Hex	6DD9FF
RGB	109, 217, 255
RGB Percent	43%, 85%, 100%
CMY	0.5712, 0.1482, 0.0000
CMYK	0.57, 0.15, 0.00, 0.00
HSL	196°, 100%, 71%
HSV	196°, 57%, 100%
XYZ	49.4606, 60.2982, 104.6813
YIQ	189.0400, -76.5660, -11.0780

Conversions

Conversions Part 2

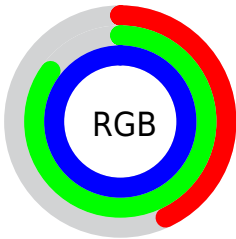
Format	Color
RYB	109, 171, 255
Decimal	7199231
CIELab	82.00, -20.24, -28.43
CIELCh	82, 34.899, 234.546
Yxy	60.2982, 0.2306, 0.2812
Android (android.graphics.Color)	4285389311 (0xFF6DD9FF)
YUV	189.0400, 32.5183, -70.1951
Hunter-Lab	77.6519, -22.1947, -25.5716

Details

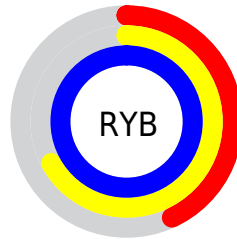
The CIELCh color **82, 34.899, 234.546** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **72, 52.756, 45.311**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.754, 197.768**, and **62, 34.682, 233.473** is the 20% darker color. If you saturate the color by 10%, you get **79, 38.512, 236.093**, and if you desaturate by 10%, it is **85, 29.983, 231.465**.

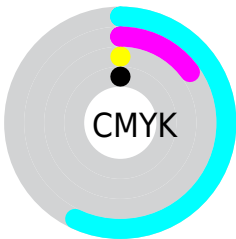
Distribution



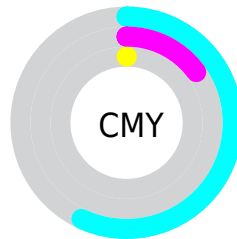
- Red (43%)
- Green (85%)
- Blue (100%)



- Red (43%)
- Yellow (67%)
- Blue (100%)



- Cyan (57%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 34.899, 234.546 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, 34.899, 234.546 by changing the saturation by 10% instead.


 82, 34.899,
234.546


 82, 34.899,
234.546


 100, 34.899,
234.546


 72, 34.899,
234.546

 62, 34.899,
234.546

 52, 34.899,
234.546

 42, 34.899,
234.546

 32, 34.899,
234.546

 22, 34.899,
234.546

 12, 34.899,

234.546

■ 2, 34.899, 234.546

■ 0, 34.899, 234.546

■ 82, 34.899,
234.546

■ 82, 34.899,
234.546

■ 79, 38.512,
236.093

■ 85, 29.983,
231.465

■ 77, 41.628,
239.321

■ 88, 24.621,
229.879

■ 75, 44.066,
243.253

■ 91, 18.630,
228.658

■ 73, 46.012,
247.869

■ 94, 12.111,
227.737

■ 72, 46.557,

■ 98, 5.161, 227.093

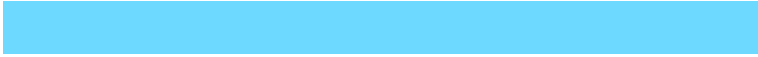
249.250

100, 0.012,
296.813

Harmonies

Complementary

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



82, 34.899, 234.546



72, 52.756, 45.311

Rectangle

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



82, 34.899, 234.546



82, 34.899, 284.546



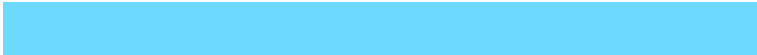
82, 34.899, 54.546



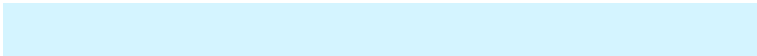
82, 34.899, 104.546

Sweetspot

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



82, 34.631, 233.505



94, 12.032, 227.728



90, 73.992, 146.691



50, 8.004, 227.891



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, 34.631, 233.505



79, 39.156, 236.649



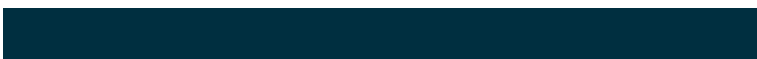
62, 61.244, 287.917



51, 4.100, 227.216



55, 37.289, 248.334



18, 16.603, 241.807

Inverse Universe

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



67, 73.135, 337.035



63, 84.020, 338.197



88, 57.509, 89.935



50, 7.555, 333.299



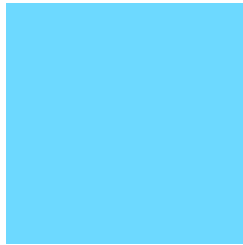
43, 76.340, 342.050



11, 35.903, 339.968

Previews

White Background



This preview shows how the CIELCh color 82, 34.899, 234.546 looks on a white background.

Color Contrast Check

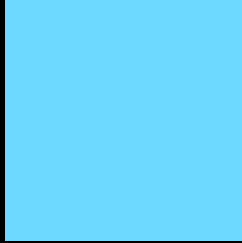
Large Text (above 18pt) WCAG AA × Fail

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, 34.899, 234.546 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, 34.899, 234.546

Background



This preview shows how black text looks on a background with the CIELCh color 82, 34.899, 234.546.



This preview shows how white text looks on a background with the CIELCh color 82, 34.899, 234.546.

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



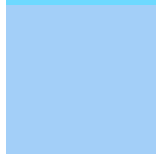


Tritanopia
82, 33.894, 213.842

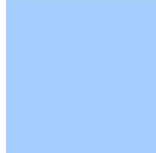
Trichromacy



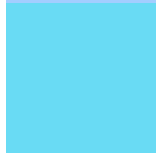
Original Color
82, 34.695, 233.652



Protanomaly
81, 25.217, 259.087



Deuteranomaly
81, 28.626, 265.014

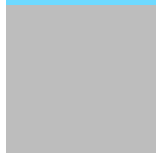


Tritanomaly
82, 33.654, 220.913

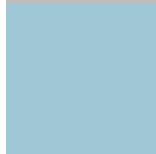
Monochromacy



Original Color
82, 34.695, 233.652



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 14.878, 229.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 34.899, 234.546 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(109, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 217, 255)  
}
```

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(109, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 217, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 34.899, 234.546 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(109, 217, 255) }
```

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

```
.border{ border-color:rgb(109, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 217,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 34.899, 234.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 217, 255) }
```

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

```
.background{ background-color: rgb(109,  
217, 255) }
```

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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