

Converting Colors

CIELCh(82, 35.785, 229.611)

Have a look what the booklet for
CIELCh(82, 35.785, 229.611)
contains.

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Color

CIELCh(82, 35.835, 229.095)

Conversions

Conversions Part 1

Format	Color
Hex	64DBFE
RGB	100, 219, 254
RGB Percent	39%, 86%, 100%
CMY	0.6094, 0.1425, 0.0053
CMYK	0.61, 0.14, 0.00, 0.01
HSL	194°, 98%, 69%
HSV	194°, 61%, 99%
XYZ	48.2814, 60.2982, 102.5574
YIQ	187.4090, -82.1590, -14.3430

Conversions

Conversions Part 2

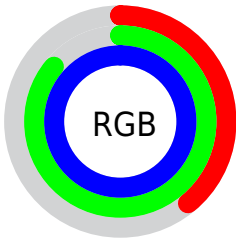
Format	Color
RYB	100, 167, 254
Decimal	6609918
CIELab	82.00, -23.47, -27.08
CIELCh	82, 35.835, 229.095
Yxy	60.2982, 0.2287, 0.2856
Android (android.graphics.Color)	4284799998 (0xFF64DBFE)
YUV	187.4090, 32.8294, -76.6577
Hunter-Lab	77.6519, -24.9054, -23.9499

Details

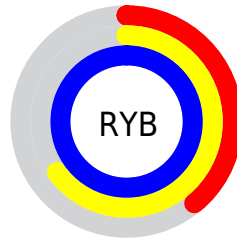
The CIELCh color **82, 35.835, 229.095** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **69, 57.533, 42.736**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.614, 197.654**, and **62, 35.802, 228.683** is the 20% darker color. If you saturate the color by 10%, you get **80, 39.188, 231.539**, and if you desaturate by 10%, it is **84, 31.630, 227.183**.

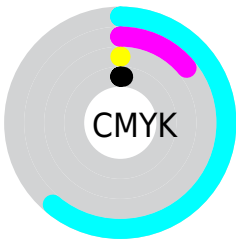
Distribution



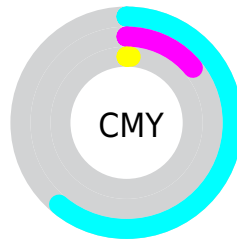
- Red (39%)
- Green (86%)
- Blue (100%)



- Red (39%)
- Yellow (65%)
- Blue (100%)



- Cyan (61%)
- Magenta (14%)
- Yellow (0%)
- Black (1%)



- Cyan (61%)
- Magenta (14%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 35.835, 229.095 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, 35.835, 229.095 by changing the saturation by 10% instead.

■ 82, 35.835,
229.095

■ 82, 35.835,
229.095

■ 100, 35.835,
229.095

■ 72, 35.835,
229.095

■ 62, 35.835,
229.095

■ 52, 35.835,
229.095

■ 42, 35.835,
229.095

■ 32, 35.835,
229.095

■ 22, 35.835,
229.095

■ 12, 35.835,

229.095

■ 2, 35.835, 229.095

■ 0, 35.835, 229.095

■ 82, 35.835,
229.095

■ 82, 35.835,
229.095

■ 80, 39.188,
231.539

■ 84, 31.630,
227.183

■ 78, 41.709,
234.609

■ 87, 26.627,
225.715

■ 76, 43.498,
238.363

■ 90, 20.910,
224.605

■ 74, 44.731,
242.377

■ 93, 14.587,
223.785

■ 96, 7.765, 223.212

99, 0.546, 223.863

100, 0.678,
110.013

Harmonies

Complementary

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



82, 35.835, 229.095



69, 57.533, 42.736

Rectangle

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



82, 35.835, 229.095



82, 35.835, 279.095



82, 35.835, 49.095



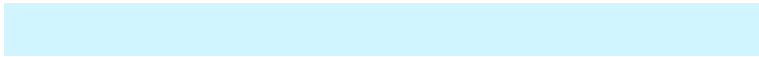
82, 35.835, 99.095

Sweetspot

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



82, 35.834, 229.094



94, 12.822, 223.604



89, 79.689, 145.049



49, 8.833, 223.797



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, 35.834, 229.094



80, 39.998, 232.183



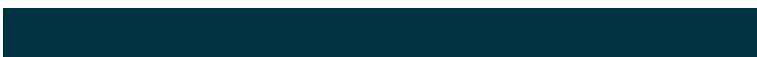
61, 62.221, 286.900



52, 4.143, 223.160



57, 36.052, 241.548



18, 16.283, 235.633

Inverse Universe

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



66, 78.090, 335.891



62, 88.771, 337.000



86, 59.325, 86.889



50, 7.732, 332.077



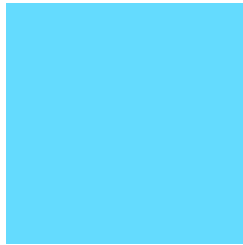
43, 78.110, 339.890



11, 36.661, 338.175

Previews

White Background



This preview shows how the CIE LCh color 82, 35.835, 229.095 looks on a white background.

Color Contrast Check

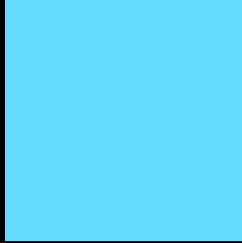
Large Text (above 18pt) WCAG AA × Fail

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, 35.835, 229.095 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, 35.835, 229.095

Background



This preview shows how black text looks on a background with the CIELCh color 82, 35.835, 229.095.



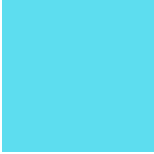
This preview shows how white text looks on a background with the CIELCh color 82, 35.835, 229.095.

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, 35.646, 212.898

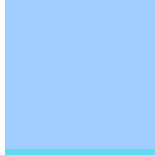
Trichromacy



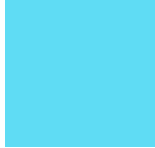
Original Color
82, 35.835, 229.095



Protanomaly
81, 24.834, 255.820



Deuteranomaly
81, 28.983, 263.500

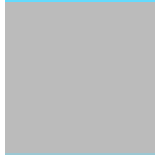


Tritanomaly
82, 35.433, 218.605

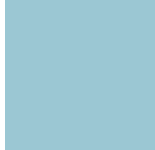
Monochromacy



Original Color
82, 35.835, 229.095



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 15.869, 222.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 35.835, 229.095 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(100, 219, 254)` looks like.

```
.text, #text, p{  
    color:rgb(100, 219, 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(100, 219, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 219, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 35.835, 229.095 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(100, 219, 254) }
```

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

```
.border{ border-color:rgb(100, 219, 254) }
```

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

Here you see how a box with a 4 pixel rgb(100, 219, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 219, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 219, 254);  
box-shadow:4px 4px 4px 4px rgb(100, 219,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 35.835, 229.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 219, 254) }
```

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

```
.background{ background-color: rgb(100,  
219, 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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