

Converting Colors

CIELCh(82, 36.250, 230.259)

Have a look what the booklet for
CIELCh(82, 36.250, 230.259)
contains.

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Color

CIELCh(82, 36.155, 229.786)

Conversions

Conversions Part 1

Format	Color
Hex	63DBFF
RGB	99, 219, 255
RGB Percent	39%, 86%, 100%
CMY	0.6134, 0.1426, 0.0015
CMYK	0.61, 0.14, 0.00, 0.00
HSL	194°, 100%, 69%
HSV	194°, 61%, 100%
XYZ	48.3256, 60.2982, 103.3842
YIQ	187.2240, -83.0760, -14.2440

Conversions

Conversions Part 2

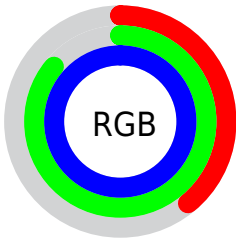
Format	Color
R_{YB}	99, 167, 255
Decimal	6544383
CIE _{Lab}	82.00, -23.34, -27.61
CIE _{LCh}	82, 36.155, 229.786
Yxy	60.2982, 0.2279, 0.2844
Android (android.graphics.Color)	4284734463 (0xFF63DBFF)
YUV	187.2240, 33.4136, -77.3724
Hunter-Lab	77.6519, -24.8038, -24.5812

Details

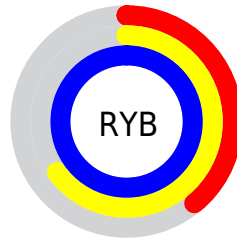
The CIELCh color **82, 36.155, 229.786** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **69, 58.248, 43.044**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.874, 197.638**, and **62, 36.009, 229.559** is the 20% darker color. If you saturate the color by 10%, you get **80, 39.493, 232.305**, and if you desaturate by 10%, it is **85, 31.970, 227.811**.

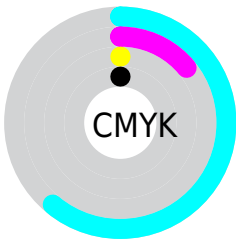
Distribution



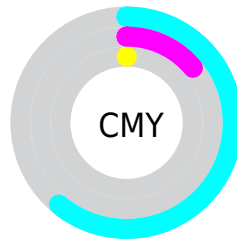
- Red (39%)
- Green (86%)
- Blue (100%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 36.155, 229.786 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, 36.155, 229.786 by changing the saturation by 10% instead.


 82, 36.155,
229.786


 82, 36.155,
229.786


 100, 36.155,
229.786


 72, 36.155,
229.786

 62, 36.155,
229.786

 52, 36.155,
229.786

 42, 36.155,
229.786

 32, 36.155,
229.786

 22, 36.155,
229.786

 12, 36.155,

229.786

■ 2, 36.155, 229.786

■ 0, 36.155, 229.786

■ 82, 36.155,
229.786

■ 82, 36.155,
229.786

■ 80, 39.493,
232.305

■ 85, 31.970,
227.811

■ 78, 42.008,
235.460

■ 87, 26.986,
226.290

■ 76, 43.809,
239.307

■ 90, 21.287,
225.136

■ 74, 45.012,
243.141

■ 93, 14.978,
224.278

■ 96, 8.166, 223.672

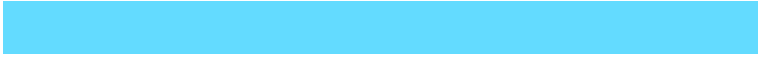
99, 0.954, 223.801

100, 0.177,
109.729

Harmonies

Complementary

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



82, 36.155, 229.786



69, 58.248, 43.044

Rectangle

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



82, 36.155, 229.786



82, 36.155, 279.786



82, 36.155, 49.786



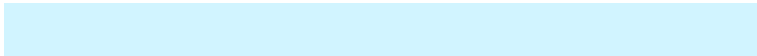
82, 36.155, 99.786

Sweetspot

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



82, 36.154, 229.785



94, 12.806, 224.052



90, 80.557, 144.966



49, 8.822, 224.251



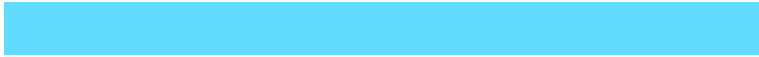
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 36.154, 229.785



79, 40.300, 233.098



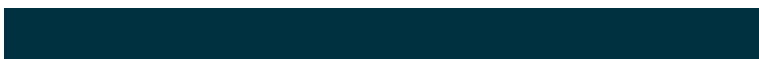
61, 63.033, 287.067



52, 4.138, 223.592



57, 36.162, 242.292



18, 16.309, 236.303

Inverse Universe

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



66, 78.693, 336.095



62, 89.234, 337.269



86, 60.022, 86.807



50, 7.713, 332.205



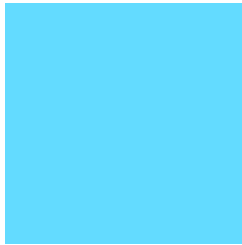
43, 77.914, 340.116



11, 36.578, 338.363

Previews

White Background



This preview shows how the CIE LCh color 82, 36.155, 229.786 looks on a white background.

Color Contrast Check

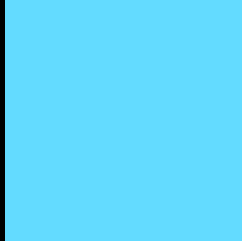
Large Text (above 18pt) WCAG AA × Fail

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, 36.155, 229.786 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, 36.155, 229.786

Background



This preview shows how black text looks on a background with the CIELCh color 82, 36.155, 229.786.

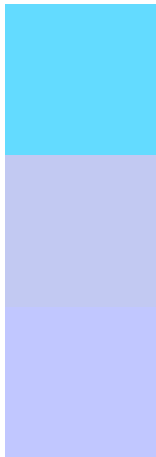


This preview shows how white text looks on a background with the CIELCh color 82, 36.155, 229.786.

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

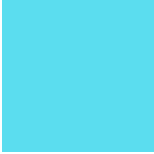
82, 36.155, 229.786

Protanopia

82, 21.833, 285.974

Deuteranopia

82, 29.761, 289.040

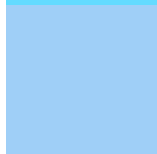


Tritanopia
82, 35.971, 212.734

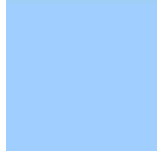
Trichromacy



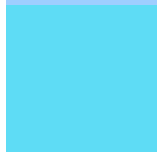
Original Color
82, 36.155, 229.786



Protanomaly
81, 25.394, 256.096



Deuteranomaly
81, 29.105, 263.008

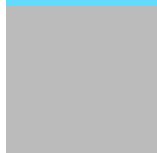


Tritanomaly
82, 35.671, 219.387

Monochromacy



Original Color
82, 36.155, 229.786



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 16.042, 224.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 36.155, 229.786 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(99, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 219, 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(99, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 219, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 36.155, 229.786 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(99, 219, 255) }
```

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

```
.border{ border-color:rgb(99, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 219,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 36.155, 229.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 219, 255) }
```

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

```
.background{ background-color: rgb(99, 219,  
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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