

Converting Colors

CIELCh(82, 33.100, 268.824)

Have a look what the booklet for
CIELCh(82, 33.100, 268.824)
contains.

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Color

CIELCh(82, 28.397, 263.356)

Conversions

Conversions Part 1

Format	Color
Hex	A3D0FF
RGB	163, 208, 255
RGB Percent	64%, 82%, 100%
CMY	0.3601, 0.1836, 0.0000
CMYK	0.36, 0.18, 0.00, 0.00
HSL	211°, 100%, 82%
HSV	211°, 36%, 100%
XYZ	55.9847, 60.2982, 104.3289
YIQ	199.9030, -41.9070, 5.0770

Conversions

Conversions Part 2

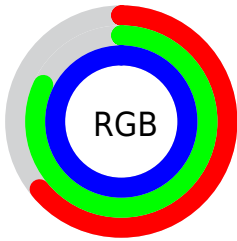
Format	Color
RYB	163, 193, 255
Decimal	10735871
CIELab	82.00, -3.29, -28.21
CIELCh	82, 28.397, 263.356
Yxy	60.2982, 0.2538, 0.2733
Android (android.graphics.Color)	4288925951 (0xFFA3D0FF)
YUV	199.9030, 27.1628, -32.3639
Hunter-Lab	77.6519, -7.1977, -25.3025

Details

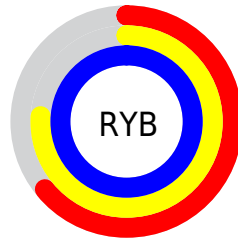
The CIELCh color $82, 28.397, 263.356$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $87, 30.671, 71.908$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 11.803, 198.717$, and $62, 27.757, 262.373$ is the 20% darker color. If you saturate the color by 10%, you get $77, 35.340, 265.060$, and if you desaturate by 10%, it is $87, 20.244, 260.509$.

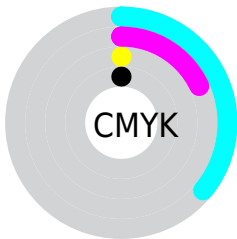
Distribution



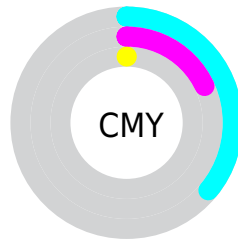
- Red (64%)
- Green (82%)
- Blue (100%)



- Red (64%)
- Yellow (76%)
- Blue (100%)



- Cyan (36%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 28.397, 263.356 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, 28.397, 263.356 by changing the saturation by 10% instead.

■ 82, 28.397,
263.356

■ 82, 28.397,
263.356

■ 100, 28.397,
263.356

■ 72, 28.397,
263.356

■ 62, 28.397,
263.356

■ 52, 28.397,
263.356

■ 42, 28.397,
263.356

■ 32, 28.397,
263.356

■ 22, 28.397,
263.356

■ 12, 28.397,

263.356

■ 2, 28.397, 263.356

■ 0, 28.397, 263.356

■ 82, 28.397,
263.356

■ 82, 28.397,
263.356

■ 77, 35.340,
265.060

■ 87, 20.244,
260.509

■ 72, 42.699,
267.990

■ 92, 12.524,
258.773

■ 68, 49.966,
271.414

■ 97, 4.722, 257.357

■ 63, 57.212,
275.328

100, 0.012,
296.813

■ 59, 64.545,

279.652

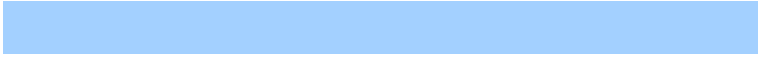
■ 55, 72.075,
284.211

■ 54, 75.166,
285.982

Harmonies

Complementary

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



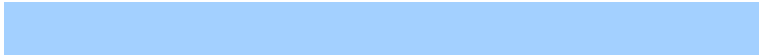
82, 28.397, 263.356



87, 30.671, 71.908

Rectangle

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



82, 28.397, 263.356



82, 28.397, 313.356



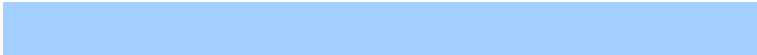
82, 28.397, 83.356



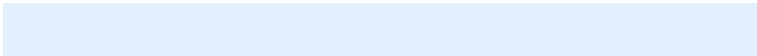
82, 28.397, 133.356

Sweetspot

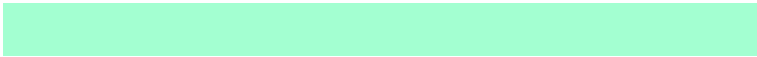
The Sweet Spot groups the original color and five complimentary colors.



82, 27.855, 262.585



94, 8.626, 258.020



93, 39.376, 160.135



50, 5.792, 258.216



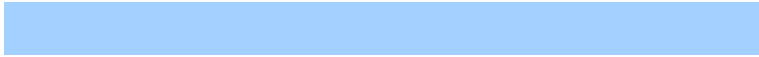
0, 0.000, 0.000



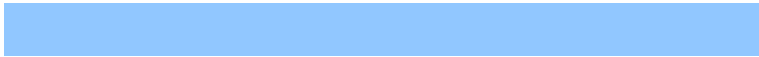
53, 0.007, 296.813

Same Dimension

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



82, 27.855, 262.585



79, 33.102, 264.270



70, 50.248, 294.916



51, 4.461, 257.810



41, 59.487, 285.154



12, 24.166, 278.678

Inverse Universe

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



77, 40.908, 347.770



73, 48.705, 348.690



98, 45.832, 106.675



50, 6.340, 344.957



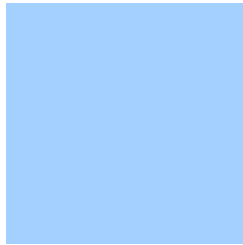
41, 68.152, 3.069



10, 31.778, 357.314

Previews

White Background



This preview shows how the CIE LCh color 82, 28.397, 263.356 looks on a white background.

Color Contrast Check

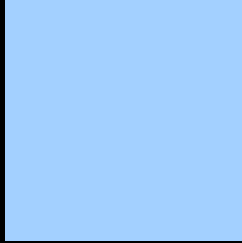
Large Text (above 18pt) WCAG AA × Fail

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, 28.397, 263.356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

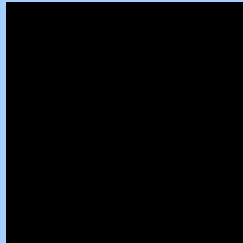
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

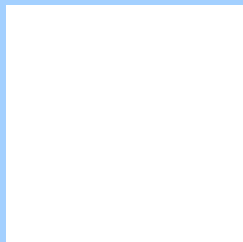
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 28.397, 263.356

Background



This preview shows how black text looks on a background with the CIELCh color 82, 28.397, 263.356.



This preview shows how white text looks on a background with the CIELCh color 82, 28.397, 263.356.

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](#).

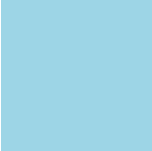
Dichromacy



Original Color
82, 27.935, 262.697

Protanopia
82, 26.090, 286.003

Deuteranopia
82, 29.739, 290.262



Tritanopia
82, 19.855, 225.473

Trichromacy



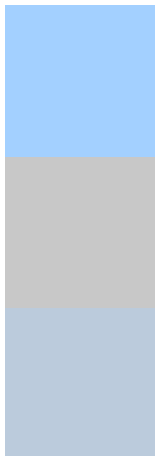
Original Color
82, 27.935, 262.697

Protanomaly
82, 26.162, 276.839

Deuteranomaly
82, 28.565, 280.462

Tritanomaly
82, 21.696, 242.031

Monochromacy



Original Color
82, 27.935, 262.697

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 10.464, 259.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 28.397, 263.356 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(163, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 208, 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(163, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 208, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 28.397, 263.356 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(163, 208, 255) }
```

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

```
.border{ border-color:rgb(163, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 208,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 28.397, 263.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 208, 255) }
```

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

```
.background{ background-color: rgb(163,  
208, 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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