

Converting Colors

CIELCh(82, 32.062, 242.221)

Have a look what the booklet for
CIELCh(82, 32.062, 242.221)
contains.

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Color

CIELCh(82, 31.607, 240.660)

Conversions

Conversions Part 1

Format	Color
Hex	81D7FF
RGB	129, 215, 255
RGB Percent	51%, 84%, 100%
CMY	0.4953, 0.1580, 0.0012
CMYK	0.49, 0.16, 0.00, 0.00
HSL	199°, 100%, 75%
HSV	199°, 49%, 100%
XYZ	51.2362, 60.2982, 103.2948
YIQ	193.8460, -64.0960, -5.7920

Conversions

Conversions Part 2

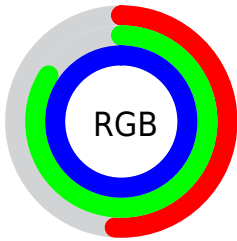
Format	Color
RYB	129, 180, 255
Decimal	8509439
CIELab	82.00, -15.49, -27.55
CIELCh	82, 31.607, 240.660
Yxy	60.2982, 0.2385, 0.2807
Android (android.graphics.Color)	4286699519 (0xFF81D7FF)
YUV	193.8460, 30.1489, -56.8699
Hunter-Lab	77.6519, -18.1132, -24.5129

Details

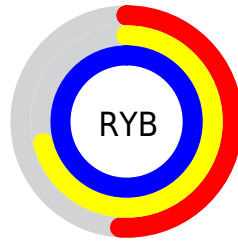
The CIELCh color **82, 31.607, 240.660** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **77, 43.350, 50.754**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.687, 198.082**, and **62, 31.560, 240.825** is the 20% darker color. If you saturate the color by 10%, you get **79, 36.478, 243.276**, and if you desaturate by 10%, it is **85, 26.134, 238.565**.

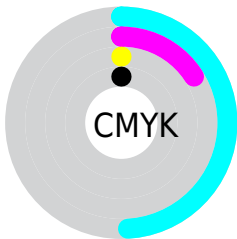
Distribution



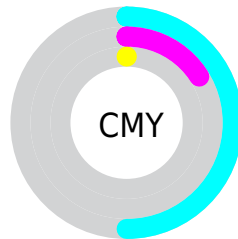
- Red (51%)
- Green (84%)
- Blue (100%)



- Red (51%)
- Yellow (71%)
- Blue (100%)



- Cyan (49%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (16%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 31.607, 240.660 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, 31.607, 240.660 by changing the saturation by 10% instead.


 82, 31.607,
240.660

 82, 31.607,
240.660


 100, 31.607,
240.660


 72, 31.607,
240.660

 62, 31.607,
240.660

 52, 31.607,
240.660

 42, 31.607,
240.660

 32, 31.607,
240.660

 22, 31.607,
240.660

 12, 31.607,

240.660

■ 2, 31.607, 240.660

■ 0, 31.607, 240.660

■ 82, 31.607,
240.660

■ 82, 31.607,
240.660

■ 79, 36.478,
243.276

■ 85, 26.134,
238.565

■ 76, 40.734,
246.507

■ 89, 20.120,
236.903

■ 73, 44.421,
250.417

■ 93, 13.641,
235.593

■ 70, 47.669,
255.013

■ 96, 6.782, 234.589

■ 68, 50.720,

100, 0.139,
109.611

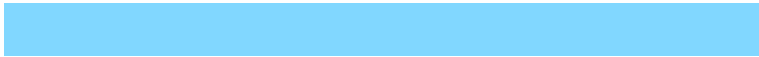
260.126

■ 68, 50.887,
260.394

Harmonies

Complementary

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



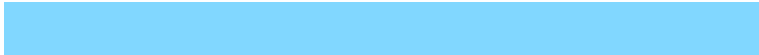
82, 31.607, 240.660



77, 43.350, 50.754

Rectangle

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



82, 31.607, 240.660



82, 31.607, 290.660



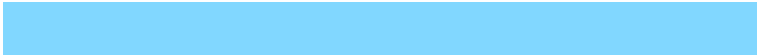
82, 31.607, 60.660



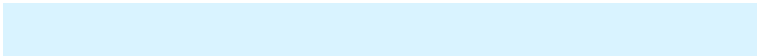
82, 31.607, 110.660

Sweetspot

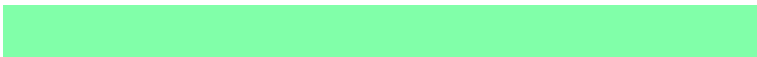
The Sweet Spot groups the original color and five complimentary colors.



82, 31.606, 240.659



94, 10.627, 235.107



91, 61.618, 150.193



50, 7.216, 235.329



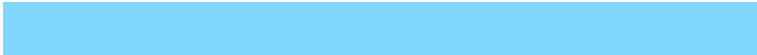
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 31.606, 240.659



79, 36.297, 243.141



65, 57.141, 289.658



51, 4.075, 234.592



52, 40.635, 259.421



16, 17.606, 252.270

Inverse Universe

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



71, 62.217, 339.010



66, 72.334, 340.016



92, 52.776, 95.527



50, 7.250, 335.629



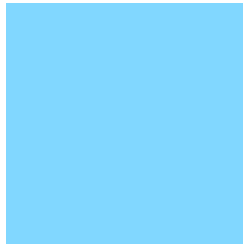
42, 73.515, 346.243



11, 34.655, 343.427

Previews

White Background



This preview shows how the CIE LCh color 82, 31.607, 240.660 looks on a white background.

Color Contrast Check

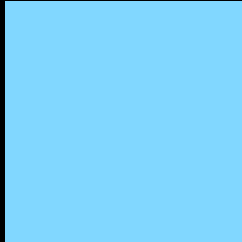
Large Text (above 18pt) WCAG AA × Fail

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, 31.607, 240.660 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, 31.607, 240.660

Background



This preview shows how black text looks on a background with the CIELCh color 82, 31.607, 240.660.



This preview shows how white text looks on a background with the CIELCh color 82, 31.607, 240.660.

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, 29.512, 216.658

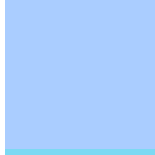
Trichromacy



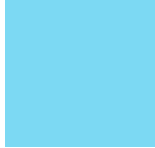
Original Color
82, 31.607, 240.660



Protanomaly
82, 25.058, 265.257



Deuteranomaly
82, 28.247, 269.868

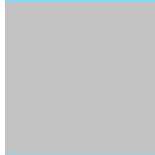


Tritanomaly
82, 29.813, 225.579

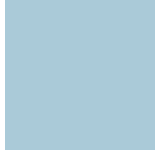
Monochromacy



Original Color
82, 31.607, 240.660



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 12.987, 234.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 31.607, 240.660 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 215, 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(129, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 215, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 31.607, 240.660 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, 255) }
```

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

```
.border{ border-color:rgb(129, 215, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 215,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 31.607, 240.660 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, 255) }
```

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

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