

Converting Colors

CIELCh(84, 31.690, 231.759)

Have a look what the booklet for
CIELCh(84, 31.690, 231.759)
contains.

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Color

CIELCh(84, 31.672, 231.545)

Conversions

Conversions Part 1

Format	Color
Hex	7EDEFB
RGB	126, 222, 255
RGB Percent	49%, 87%, 100%
CMY	0.5048, 0.1284, 0.0000
CMYK	0.50, 0.13, 0.00, 0.00
HSL	195°, 100%, 75%
HSV	195°, 50%, 100%
XYZ	52.9205, 64.0658, 104.3991
YIQ	197.0580, -67.8090, -10.0890

Conversions

Conversions Part 2

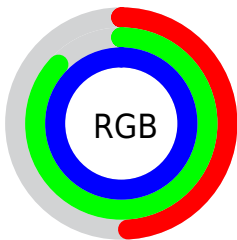
Format	Color
R _Y B	126, 181, 255
Decimal	8314623
CIE Lab	84.00, -19.70, -24.80
CIE LCh	84, 31.672, 231.545
Yxy	64.0658, 0.2390, 0.2894
Android (android.graphics.Color)	4286504703 (0xFF7EDEF)
YUV	197.0580, 28.5654, -62.3179
Hunter-Lab	80.0411, -22.0537, -21.3043

Details

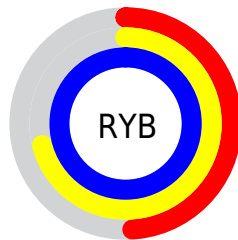
The CIELCh color **84, 31.672, 231.545** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **75, 45.564, 44.745**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.558, 198.027**, and **64, 31.626, 231.030** is the 20% darker color. If you saturate the color by 10%, you get **81, 35.984, 233.473**, and if you desaturate by 10%, it is **87, 26.506, 229.620**.

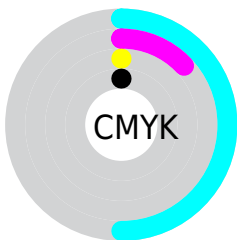
Distribution



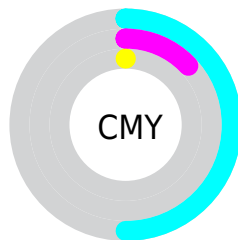
- Red (49%)
- Green (87%)
- Blue (100%)



- Red (49%)
- Yellow (71%)
- Blue (100%)



- Cyan (50%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 31.672, 231.545 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 84, 31.672, 231.545 by changing the saturation by 10% instead.


 84, 31.672,
231.545


 84, 31.672,
231.545


 100, 31.672,
231.545


 74, 31.672,
231.545

 64, 31.672,
231.545

 54, 31.672,
231.545

 44, 31.672,
231.545

 34, 31.672,
231.545

 24, 31.672,
231.545

 14, 31.672,

231.545

■ 4, 31.672, 231.545

■ 0, 31.672, 231.545

■ 84, 31.672,
231.545

■ 84, 31.672,
231.545

■ 81, 35.984,
233.473

■ 87, 26.506,
229.620

■ 79, 39.562,
236.212

■ 90, 20.725,
228.321

■ 76, 42.379,
239.613

■ 93, 14.373,
227.336

■ 74, 44.549,
243.723

■ 96, 7.553, 226.620

■ 72, 46.255,

100, 0.360,
227.724

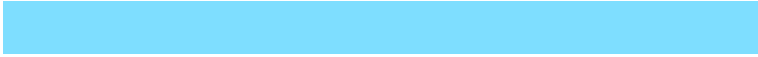
248.184

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.



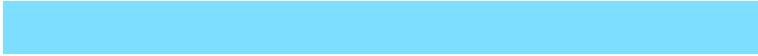
84, 31.672, 231.545



75, 45.564, 44.745

Rectangle

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



84, 31.672, 231.545



84, 31.672, 281.545



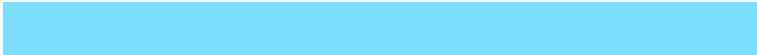
84, 31.672, 51.545



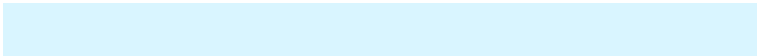
84, 31.672, 101.545

Sweetspot

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



84, 31.619, 231.307



95, 10.685, 226.910



91, 66.188, 147.607



50, 7.249, 227.065



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 31.619, 231.307



81, 36.188, 233.599



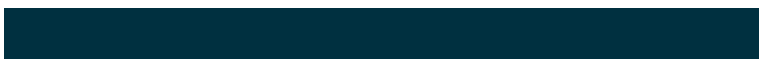
67, 53.588, 286.162



51, 4.106, 226.565



55, 37.060, 247.278



18, 16.540, 240.836

Inverse Universe

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



71, 66.071, 336.217



66, 77.293, 337.157



90, 51.033, 90.837



50, 7.583, 333.101



43, 76.614, 341.697



11, 36.021, 339.676

Previews

White Background



This preview shows how the CIELCh color 84, 31.672, 231.545 looks on a white background.

Color Contrast Check

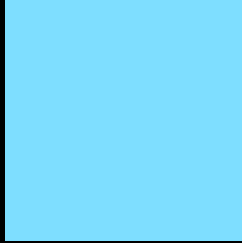
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 84, 31.672, 231.545 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 84, 31.672, 231.545

Background



This preview shows how black text looks on a background with the CIELCh color 84, 31.672, 231.545.

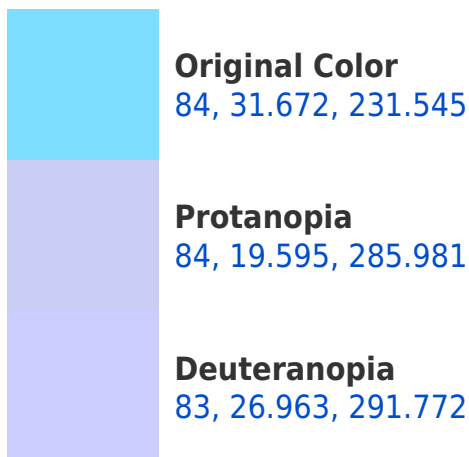



This preview shows how white text looks on a background with the CIELCh color 84, 31.672, 231.545.

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](#).

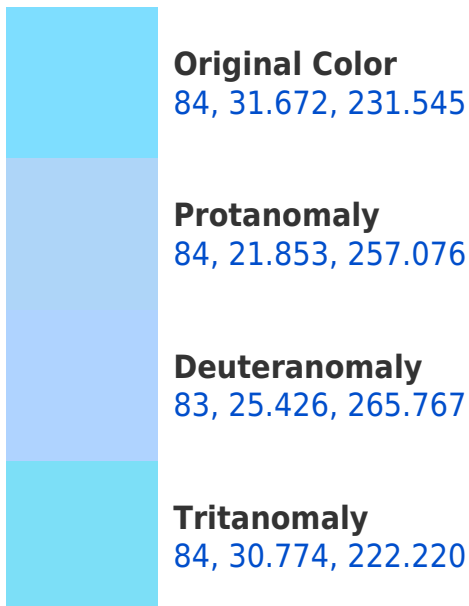
Dichromacy



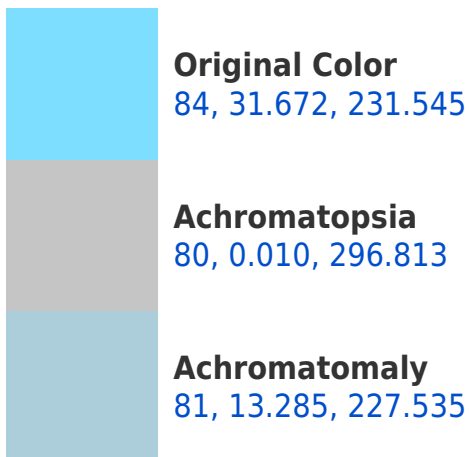


Tritanopia
84, 30.830, 215.670

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 31.672, 231.545 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(126, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 222, 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(126, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 222, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 31.672, 231.545 is called "border". The border property can be set on classes, ids or directly on the HTML element.

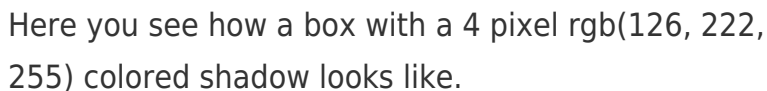
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 222, 255) }
```

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

```
.border{ border-color:rgb(126, 222, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 222,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 31.672, 231.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 222, 255) }
```

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

```
.background{ background-color: rgb(126,  
222, 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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