

Converting Colors

CIELCh(85, 37.517, 249.328)

Have a look what the booklet for
CIELCh(85, 37.517, 249.328)
contains.

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Color

CIElCh(84, 31.292, 230.808)

Conversions

Conversions Part 1

Format	Color
Hex	7FDEFE
RGB	127, 222, 254
RGB Percent	50%, 87%, 100%
CMY	0.5012, 0.1285, 0.0031
CMYK	0.50, 0.13, 0.00, 0.00
HSL	195°, 99%, 75%
HSV	195°, 50%, 100%
XYZ	52.8907, 64.0658, 103.5282
YIQ	197.2430, -66.8920, -10.1880

Conversions

Conversions Part 2

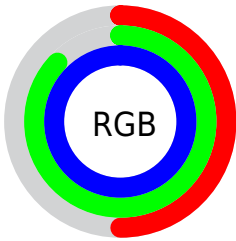
Format	Color
R _Y B	127, 181, 254
Decimal	8380158
CIE Lab	84.00, -19.77, -24.25
CIE LCh	84, 31.292, 230.808
Yxy	64.0658, 0.2399, 0.2906
Android (android.graphics.Color)	4286570238 (0xFF7FDEFE)
YUV	197.2430, 27.9812, -61.6031
Hunter-Lab	80.0411, -22.1202, -20.6592

Details

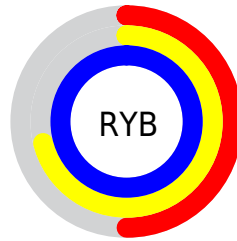
The CIELCh color **84, 31.292, 230.808** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **75, 44.945, 44.497**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.269, 198.045**, and **64, 31.179, 230.335** is the 20% darker color. If you saturate the color by 10%, you get **81, 35.673, 232.920**, and if you desaturate by 10%, it is **87, 26.161, 229.163**.

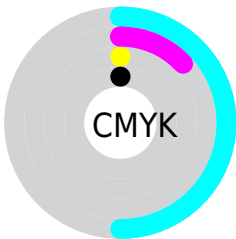
Distribution



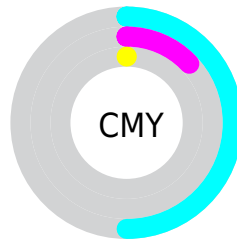
- Red (50%)
- Green (87%)
- Blue (100%)



- Red (50%)
- 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, 31.292, 230.808 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, 31.292, 230.808 by changing the saturation by 10% instead.

 84, 31.292,
230.808

 84, 31.292,
230.808


 100, 31.292,
230.808


 74, 31.292,
230.808

 64, 31.292,
230.808

 54, 31.292,
230.808

 44, 31.292,
230.808

 34, 31.292,
230.808

 24, 31.292,
230.808

 14, 31.292,

230.808

■ 4, 31.292, 230.808

■ 0, 31.292, 230.808

■ 84, 31.292,
230.808

■ 84, 31.292,
230.808

■ 81, 35.673,
232.920

■ 87, 26.161,
229.163

■ 79, 39.264,
235.598

■ 90, 20.366,
227.901

■ 76, 42.084,
238.930

■ 93, 14.003,
226.947

■ 74, 44.242,
242.970

■ 96, 7.174, 226.259

■ 72, 45.991,

■ 100, 0.026, 20.114

247.612

100, 0.384,

109.948

 72, 45.998,

247.629

Harmonies

Complementary

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



84, 31.292, 230.808



75, 44.945, 44.497

Rectangle

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



84, 31.292, 230.808



84, 31.292, 280.808



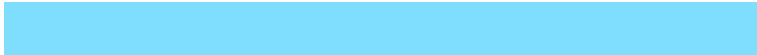
84, 31.292, 50.808



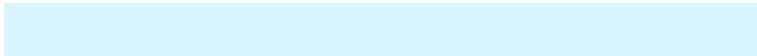
84, 31.292, 100.808

Sweetspot

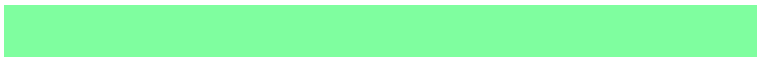
The Sweet Spot groups the original color and five complimentary colors.



84, 31.291, 230.806



95, 10.692, 226.573



91, 65.398, 147.677



50, 7.253, 226.724



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, 31.291, 230.806



82, 35.774, 232.931



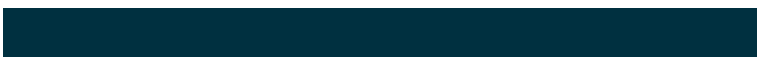
67, 52.862, 286.029



51, 4.109, 226.235



56, 36.948, 246.736



18, 16.510, 240.340

Inverse Universe

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



71, 65.420, 336.058



66, 76.445, 336.943



89, 50.391, 90.908



50, 7.597, 333.001



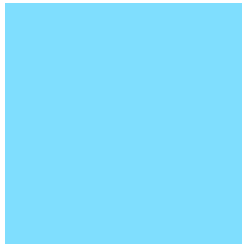
43, 76.754, 341.519



11, 36.081, 339.529

Previews

White Background



This preview shows how the CIE LCh color 84, 31.292, 230.808 looks on a white background.

Color Contrast Check

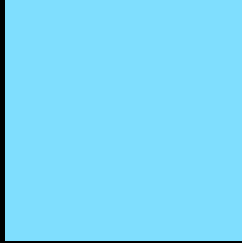
Large Text (above 18pt) WCAG AA × Fail

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 84, 31.292, 230.808 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, 31.292, 230.808

Background



This preview shows how black text looks on a background with the CIELCh color 84, 31.292, 230.808.

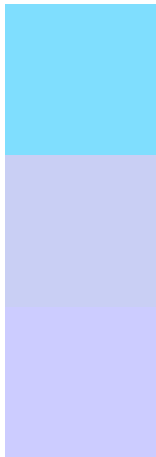


This preview shows how white text looks on a background with the CIELCh color 84, 31.292, 230.808.

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

84, 31.287, 230.843

Protanopia

84, 19.595, 285.981

Deuteranopia

84, 26.967, 292.463



Tritanopia
84, 30.621, 215.810

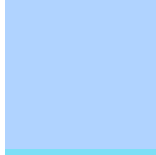
Trichromacy



Original Color
84, 31.287, 230.843



Protanomaly
84, 21.853, 257.076



Deuteranomaly
83, 25.308, 266.379

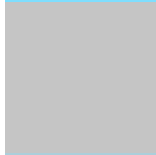


Tritanomaly
84, 30.451, 221.397

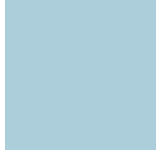
Monochromacy



Original Color
84, 31.287, 230.843



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 13.005, 228.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 31.292, 230.808 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(127, 222, 254)` looks like.

```
.text, #text, p{  
    color:rgb(127, 222, 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(127, 222, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 222, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 31.292, 230.808 is called "border". The border property can be set on classes, ids or directly on the HTML element.

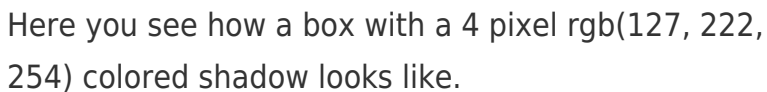
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 222, 254) }
```

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

```
.border{ border-color:rgb(127, 222, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 222, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 222, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 222, 254); box-shadow:4px 4px 4px 4px rgb(127, 222, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 31.292, 230.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 222, 254) }
```

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

```
.background{ background-color: rgb(127,  
222, 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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