

Converting Colors

CIELCh(85, 37.067, 250.662)

Have a look what the booklet for
CIELCh(85, 37.067, 250.662)
contains.

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Color

CIELCh(84, 30.565, 232.993)

Conversions

Conversions Part 1

Format	Color
Hex	84DEFF
RGB	132, 222, 255
RGB Percent	52%, 87%, 100%
CMY	0.4841, 0.1311, 0.0018
CMYK	0.48, 0.13, 0.00, 0.00
HSL	196°, 99%, 76%
HSV	196°, 48%, 100%
XYZ	53.4236, 64.0658, 103.7743
YIQ	198.8520, -64.2330, -8.8170

Conversions

Conversions Part 2

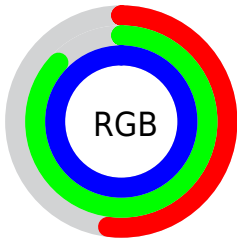
Format	Color
RYB	132, 184, 255
Decimal	8707839
CIELab	84.00, -18.40, -24.41
CIELCh	84, 30.565, 232.993
Yxy	64.0658, 0.2414, 0.2895
Android (android.graphics.Color)	4286897919 (0xFF84DEFF)
YUV	198.8520, 27.6810, -58.6292
Hunter-Lab	80.0411, -20.9318, -20.8415

Details

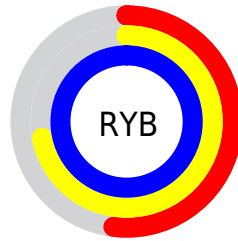
The CIELCh color **84, 30.565, 232.993** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **76, 42.910, 46.022**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.805, 198.137**, and **64, 30.545, 232.451** is the 20% darker color. If you saturate the color by 10%, you get **81, 35.162, 235.167**, and if you desaturate by 10%, it is **87, 25.263, 231.289**.

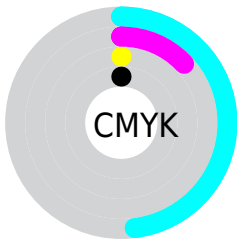
Distribution



- Red (52%)
- Green (87%)
- Blue (100%)



- Red (52%)
- Yellow (72%)
- Blue (100%)



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (48%)
- Magenta (13%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 30.565, 232.993 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, 30.565, 232.993 by changing the saturation by 10% instead.


 84, 30.565,
232.993

 84, 30.565,
232.993


 100, 30.565,
232.993


 74, 30.565,
232.993

 64, 30.565,
232.993

 54, 30.565,
232.993

 44, 30.565,
232.993

 34, 30.565,
232.993

 24, 30.565,
232.993

 14, 30.565,

232.993

■ 4, 30.565, 232.993

■ 0, 30.565, 232.993

■ 84, 30.565,
232.993

■ 84, 30.565,
232.993

■ 81, 35.162,
235.167

■ 87, 25.263,
231.289

■ 78, 39.011,
237.912

■ 90, 19.337,
229.971

■ 76, 42.129,
241.316

■ 94, 12.883,
228.966

■ 74, 44.615,
245.430

■ 97, 5.998, 228.240

■ 72, 46.683,

100, 0.219,
109.808

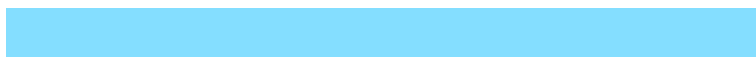
250.193

■ 71, 47.031,
251.006

Harmonies

Complementary

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



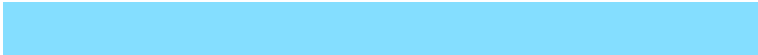
84, 30.565, 232.993



76, 42.910, 46.022

Rectangle

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



84, 30.565, 232.993



84, 30.565, 282.993



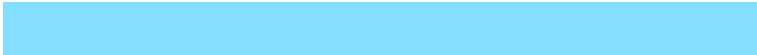
84, 30.565, 52.993



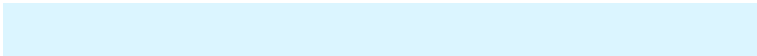
84, 30.565, 102.993

Sweetspot

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



84, 30.564, 232.991



95, 9.969, 228.616



91, 62.665, 148.481



50, 6.845, 228.785



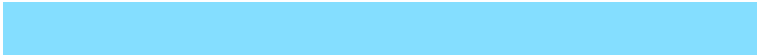
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 30.564, 232.991



81, 35.075, 235.090



67, 52.190, 286.620



51, 4.092, 228.309



55, 37.698, 250.080



17, 16.718, 243.422

Inverse Universe

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



71, 62.876, 336.637



67, 73.633, 337.517



90, 49.471, 92.315



50, 7.509, 333.635



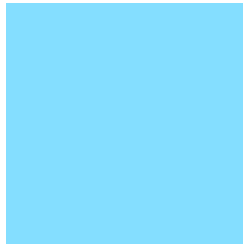
43, 75.891, 342.648



11, 35.708, 340.463

Previews

White Background



This preview shows how the CIE LCh color 84, 30.565, 232.993 looks on a white background.

Color Contrast Check

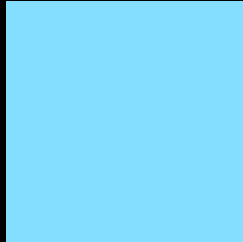
Large Text (above 18pt) WCAG AA × Fail

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, 30.565, 232.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

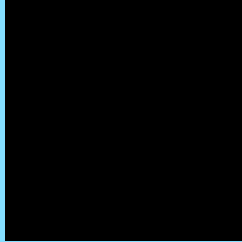
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 30.565, 232.993

Background



This preview shows how black text looks on a background with the CIELCh color 84, 30.565, 232.993.



This preview shows how white text looks on a background with the CIELCh color 84, 30.565, 232.993.

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](#).

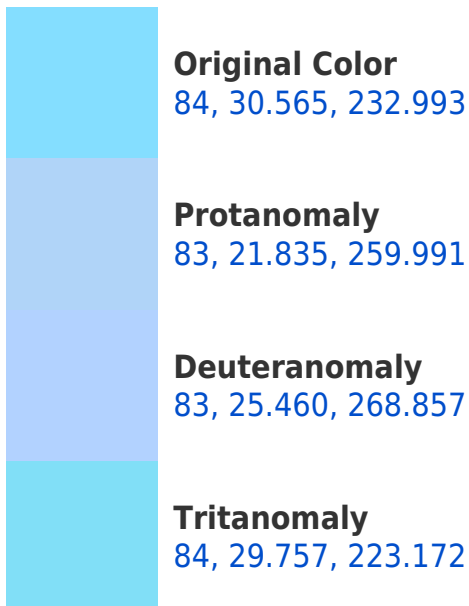
Dichromacy



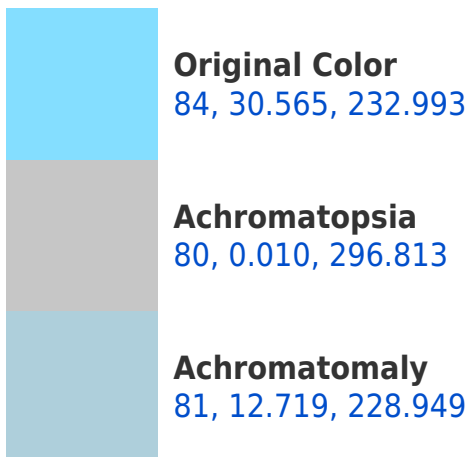


Tritanopia
84, 29.767, 216.400

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 30.565, 232.993 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(132, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 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(132, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 222, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 30.565, 232.993 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(132, 222, 255) }
```

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

```
.border{ border-color:rgb(132, 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(132, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 222,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 30.565, 232.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 222, 255) }
```

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

```
.background{ background-color: rgb(132,  
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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