

Converting Colors

CIELCh(88, 30.685, 216.625)

Have a look what the booklet for
CIELCh(88, 30.685, 216.625)
contains.

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Color

CIELCh(88, 30.706, 215.622)

Conversions

Conversions Part 1

Format	Color
Hex	87ECFE
RGB	135, 236, 254
RGB Percent	53%, 93%, 100%
CMY	0.4719, 0.0757, 0.0052
CMYK	0.47, 0.07, 0.00, 0.01
HSL	189°, 98%, 76%
HSV	189°, 47%, 99%
XYZ	57.6795, 72.0653, 104.3651
YIQ	207.8530, -65.9740, -15.8140

Conversions

Conversions Part 2

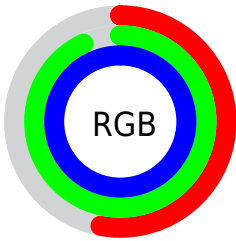
Format	Color
RYB	135, 190, 254
Decimal	8908030
CIELab	88.00, -24.96, -17.88
CIELCh	88, 30.706, 215.622
Yxy	72.0653, 0.2464, 0.3078
Android (android.graphics.Color)	4287098110 (0xFF87ECFE)
YUV	207.8530, 22.7505, -63.8921
Hunter-Lab	84.8913, -27.2777, -13.4671

Details

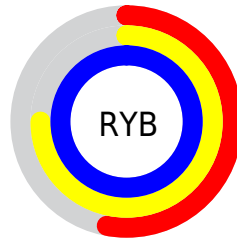
The CIELCh color **88, 30.706, 215.622** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **73, 44.141, 35.552**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.913, 198.193**, and **68, 30.710, 215.183** is the 20% darker color. If you saturate the color by 10%, you get **86, 35.152, 216.599**, and if you desaturate by 10%, it is **90, 25.375, 214.927**.

Distribution



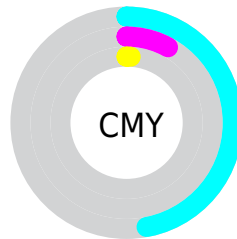
- Red (53%)
- Green (93%)
- Blue (100%)



- Red (53%)
- Yellow (75%)
- Blue (100%)



- Cyan (47%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)




- Cyan (47%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 30.706, 215.622 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 88, 30.706, 215.622 by changing the saturation by 10% instead.


 88, 30.706,
215.622

 88, 30.706,
215.622


 100, 30.706,
215.622


 78, 30.706,
215.622

 68, 30.706,
215.622

 58, 30.706,
215.622

 48, 30.706,
215.622

 38, 30.706,
215.622

 28, 30.706,
215.622

 18, 30.706,

215.622

■ 8, 30.706, 215.622

■ 0, 30.706, 215.622

■ 88, 30.706,
215.622

■ 88, 30.706,
215.622

■ 86, 35.152,
216.599

■ 90, 25.375,
214.927

■ 84, 38.629,
217.926

■ 92, 19.274,
214.468

■ 83, 41.099,
219.671

■ 95, 12.530,
214.202

■ 81, 42.600,
221.897

■ 98, 5.266, 214.134


■ 80, 43.266,

100, 0.591,
105.365

224.647

100, 0.659,

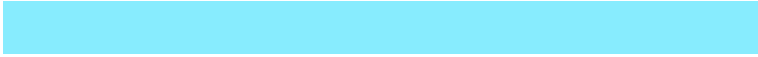
110.011

 80, 43.390,
225.561

Harmonies

Complementary

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



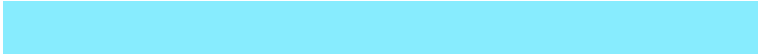
88, 30.706, 215.622



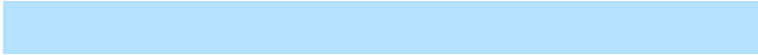
73, 44.141, 35.552

Rectangle

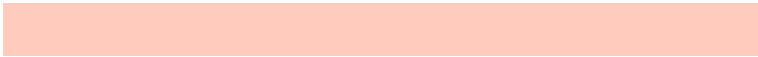
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 30.706, 215.622



88, 30.706, 265.622



88, 30.706, 35.622



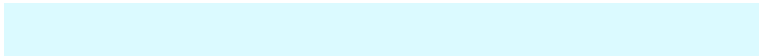
88, 30.706, 85.622

Sweetspot

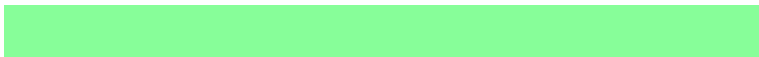
The Sweet Spot groups the original color and five complimentary colors.



88, 30.706, 215.620



96, 10.508, 214.158



91, 66.286, 144.789



51, 7.208, 214.189



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 30.706, 215.620



87, 34.930, 216.498



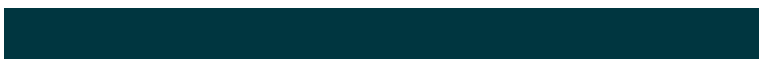
72, 43.132, 278.340



52, 4.321, 214.125



61, 35.098, 225.000



20, 16.225, 221.096

Inverse Universe

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



72, 66.022, 331.821



69, 77.332, 332.411



87, 43.852, 83.468



50, 8.159, 329.430



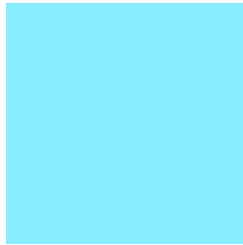
44, 82.682, 335.350



12, 38.576, 334.366

Previews

White Background



This preview shows how the CIE LCh color 88, 30.706, 215.622 looks on a white background.

Color Contrast Check

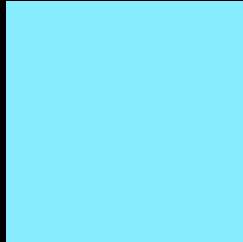
Large Text (above 18pt) WCAG AA × Fail

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 88, 30.706, 215.622 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 88, 30.706, 215.622

Background



This preview shows how black text looks on a background with the CIELCh color 88, 30.706, 215.622.

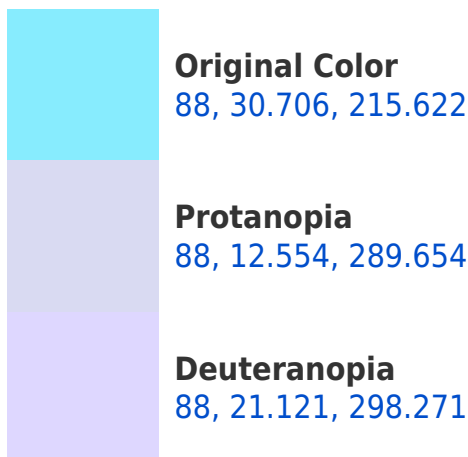



This preview shows how white text looks on a background with the CIELCh color 88, 30.706, 215.622.

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



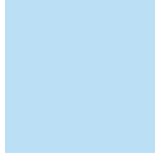


Tritanopia
88, 30.778, 216.624

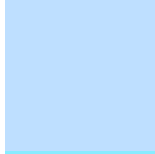
Trichromacy



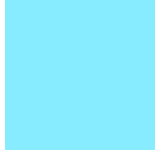
Original Color
88, 30.706, 215.622



Protanomaly
87, 16.426, 243.542



Deuteranomaly
87, 19.514, 258.457

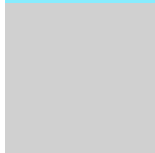


Tritanomaly
88, 30.778, 216.624

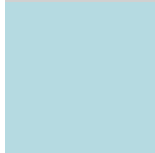
Monochromacy



Original Color
88, 30.706, 215.622



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 12.974, 215.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 30.706, 215.622 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(135, 236, 254)` looks like.

```
.text, #text, p{  
    color:rgb(135, 236, 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(135, 236, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 236, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 30.706, 215.622 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(135, 236, 254) }
```

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

```
.border{ border-color:rgb(135, 236, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 236, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 236, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 236, 254);  
box-shadow:4px 4px 4px 4px rgb(135, 236,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 30.706, 215.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 236, 254) }
```

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

```
.background{ background-color: rgb(135,  
236, 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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