

Converting Colors

CIELCh(88, 30.340, 216.945)

Have a look what the booklet for
CIELCh(88, 30.340, 216.945)
contains.

CIELCh(88, 30.340, 216.945)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(88, 30.340, 216.945)

Conversions

Conversions Part 1

Format	Color
Hex	88EBFE
RGB	136, 235, 254
RGB Percent	53%, 92%, 100%
CMY	0.4652, 0.0770, 0.0025
CMYK	0.46, 0.07, 0.00, 0.00
HSL	190°, 99%, 77%
HSV	190°, 46%, 100%
XYZ	57.9711, 72.0653, 104.9242
YIQ	207.5650, -65.1030, -15.0790

Conversions

Conversions Part 2

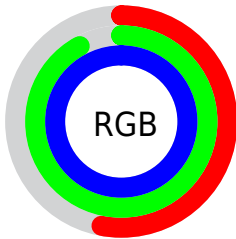
Format	Color
RYB	136, 190, 254
Decimal	8973310
CIELab	88.00, -24.25, -18.24
CIELCh	88, 30.340, 216.945
Yxy	72.0653, 0.2467, 0.3067
Android (android.graphics.Color)	4287163390 (0xFF88EBFE)
YUV	207.5650, 22.8925, -62.7625
Hunter-Lab	84.8913, -26.6646, -13.8576

Details

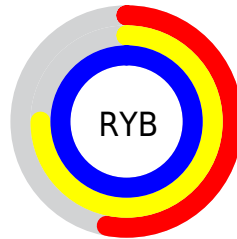
The CIELCh color **88, 30.340, 216.945** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **74, 43.364, 36.329**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.614, 198.212**, and **68, 30.398, 216.537** is the 20% darker color. If you saturate the color by 10%, you get **86, 34.836, 218.002**, and if you desaturate by 10%, it is **90, 24.975, 216.183**.

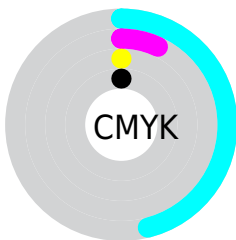
Distribution



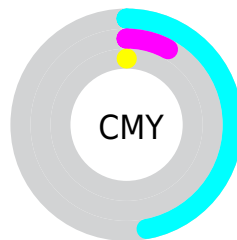
- Red (53%)
- Green (92%)
- Blue (100%)



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



- Cyan (46%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (47%)
- Magenta (8%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 30.340, 216.945 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, 30.340, 216.945 by changing the saturation by 10% instead.


 88, 30.340,
216.945


 88, 30.340,
216.945


 100, 30.340,
216.945


 78, 30.340,
216.945

 68, 30.340,
216.945

 58, 30.340,
216.945

 48, 30.340,
216.945

 38, 30.340,
216.945

 28, 30.340,
216.945

 18, 30.340,

216.945

■ 8, 30.340, 216.945

■ 0, 30.340, 216.945

■ 88, 30.340,
216.945

■ 88, 30.340,
216.945

■ 86, 34.836,
218.002

■ 90, 24.975,
216.183

■ 84, 38.377,
219.429

■ 93, 18.856,
215.667

■ 82, 40.926,
221.294

■ 95, 12.108,
215.353

■ 81, 42.518,
223.667

■ 98, 4.851, 215.250

100, 0.312,

■ 79, 43.285,

109.906

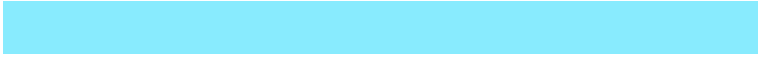
226.596

■ 79, 43.456,
227.745

Harmonies

Complementary

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



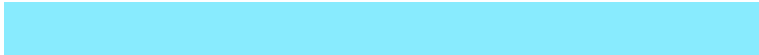
88, 30.340, 216.945



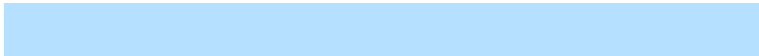
74, 43.364, 36.329

Rectangle

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



88, 30.340, 216.945



88, 30.340, 266.945



88, 30.340, 36.945



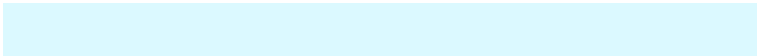
88, 30.340, 86.945

Sweetspot

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



88, 30.340, 216.943



96, 10.439, 215.305



91, 65.733, 144.851



51, 7.161, 215.348



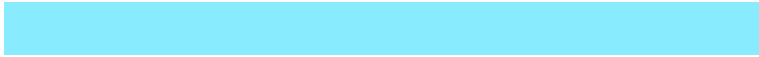
0, 0.000, 0.000



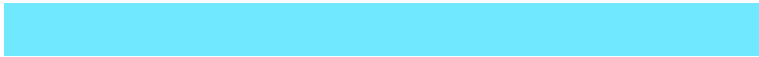
53, 0.007, 296.813

Same Dimension

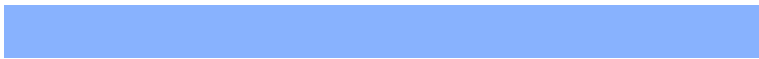
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 30.340, 216.943



86, 34.748, 217.956



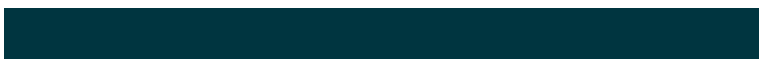
72, 42.726, 278.207



52, 4.292, 215.249



61, 35.068, 227.139



20, 16.179, 222.945

Inverse Universe

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



73, 65.059, 332.149



69, 76.824, 332.789



87, 43.440, 83.543



50, 8.103, 329.756



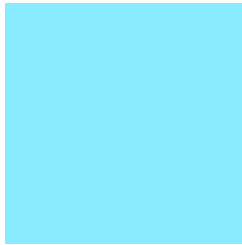
44, 82.060, 335.899



12, 38.319, 334.830

Previews

White Background



This preview shows how the CIE LCh color 88, 30.340, 216.945 looks on a white background.

Color Contrast Check

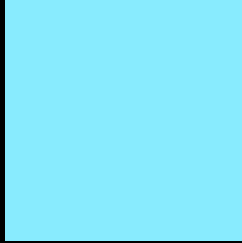
Large Text (above 18pt) WCAG AA × Fail

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, 30.340, 216.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

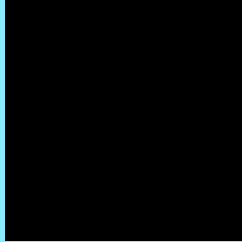
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 30.340, 216.945

Background



This preview shows how black text looks on a background with the CIELCh color 88, 30.340, 216.945.

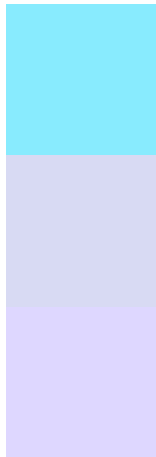


This preview shows how white text looks on a background with the CIELCh color 88, 30.340, 216.945.

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

88, 30.340, 216.945

Protanopia

88, 13.084, 288.268

Deuteranopia

88, 21.121, 298.271

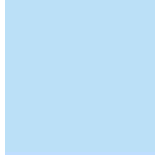


Tritanopia
88, 30.340, 216.945

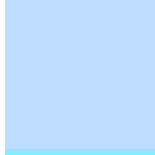
Trichromacy



Original Color
88, 30.340, 216.945



Protanomaly
87, 16.763, 244.955



Deuteranomaly
87, 19.654, 260.946

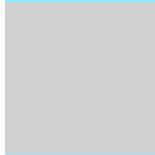


Tritanomaly
88, 30.340, 216.945

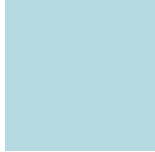
Monochromacy



Original Color
88, 30.340, 216.945



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 12.667, 215.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 30.340, 216.945 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(136, 235, 254)` looks like.

```
.text, #text, p{  
    color:rgb(136, 235, 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(136, 235, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 235, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 30.340, 216.945 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(136, 235, 254) }
```

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

```
.border{ border-color:rgb(136, 235, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 235, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 235, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 235, 254);  
box-shadow:4px 4px 4px 4px rgb(136, 235,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 30.340, 216.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 235, 254) }
```

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

```
.background{ background-color: rgb(136,  
235, 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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