

Converting Colors

CIELCh(89, 30.470, 212.879)

Have a look what the booklet for
CIELCh(89, 30.470, 212.879)
contains.

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Color

CIELCh(89, 30.556, 212.560)

Conversions

Conversions Part 1

Format	Color
Hex	8AEFFE
RGB	138, 239, 254
RGB Percent	54%, 94%, 100%
CMY	0.4595, 0.0634, 0.0046
CMYK	0.46, 0.06, 0.00, 0.00
HSL	188°, 98%, 77%
HSV	188°, 46%, 100%
XYZ	59.1291, 74.1641, 104.8176
YIQ	210.5110, -65.0110, -16.7470

Conversions

Conversions Part 2

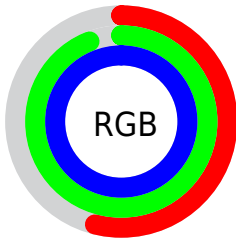
Format	Color
RYB	138, 192, 254
Decimal	9105406
CIELab	89.00, -25.75, -16.44
CIELCh	89, 30.556, 212.560
Yxy	74.1641, 0.2483, 0.3115
Android (android.graphics.Color)	4287295486 (0xFF8AEFFE)
YUV	210.5110, 21.4401, -63.5921
Hunter-Lab	86.1186, -28.1492, -11.8806

Details

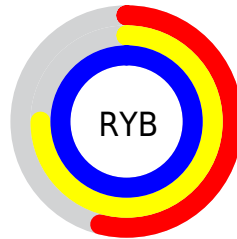
The CIELCh color **89, 30.556, 212.560** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **73, 43.479, 33.656**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.012, 198.250**, and **69, 30.531, 211.953** is the 20% darker color. If you saturate the color by 10%, you get **87, 35.155, 213.289**, and if you desaturate by 10%, it is **91, 25.060, 212.070**.

Distribution



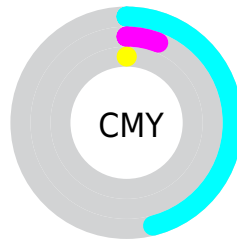
- Red (54%)
- Green (94%)
- Blue (100%)



- Red (54%)
- Yellow (75%)
- Blue (100%)



- Cyan (46%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 30.556, 212.560 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 89, 30.556, 212.560 by changing the saturation by 10% instead.

■ 89, 30.556,
212.560

■ 89, 30.556,
212.560

■ 100, 30.556,
212.560

■ 79, 30.556,
212.560

■ 69, 30.556,
212.560

■ 59, 30.556,
212.560

■ 49, 30.556,
212.560

■ 39, 30.556,
212.560


■ 29, 30.556,
212.560


■ 19, 30.556,


212.560


 9, 30.556, 212.560


 0, 30.556, 212.560


 89, 30.556,
212.560


 89, 30.556,
212.560


 87, 35.155,
213.289


 91, 25.060,
212.070

 86, 38.764,
214.315

 93, 18.787,
211.782

 84, 41.336,
215.692

 96, 11.868,
211.662

 83, 42.893,
217.475

 98, 4.429, 211.739

100, 0.584,

 82, 43.548,

110.002

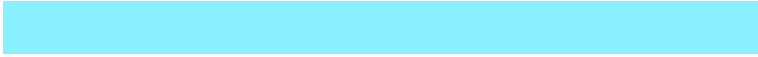
219.707

■ 81, 43.661,
220.769

Harmonies

Complementary

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



89, 30.556, 212.560



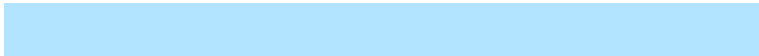
73, 43.479, 33.656

Rectangle

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



89, 30.556, 212.560



89, 30.556, 262.560



89, 30.556, 32.560



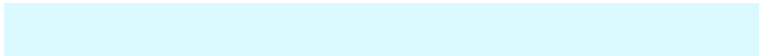
89, 30.556, 82.560

Sweetspot

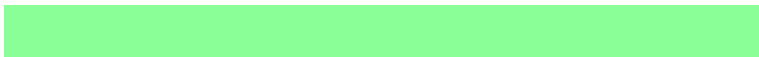
The Sweet Spot groups the original color and five complimentary colors.



89, 30.556, 212.558



96, 10.677, 211.658



91, 66.252, 143.934



51, 7.324, 211.664



0, 0.000, 0.000



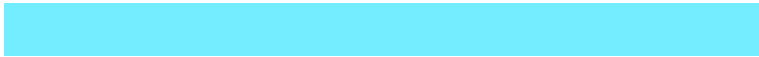
53, 0.007, 296.813

Same Dimension

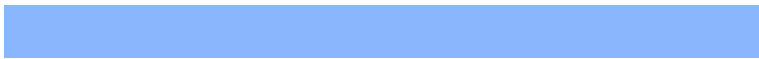
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 30.556, 212.558



88, 34.992, 213.230



74, 40.159, 275.308



52, 4.391, 211.674



63, 35.322, 220.300



21, 16.381, 217.047

Inverse Universe

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



73, 65.458, 330.960



69, 77.316, 331.529



86, 41.778, 80.745



50, 8.286, 328.718



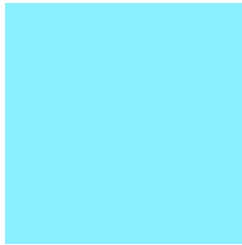
44, 84.098, 334.167



12, 39.161, 333.362

Previews

White Background



This preview shows how the CIE LCh color 89, 30.556, 212.560 looks on a white background.

Color Contrast Check

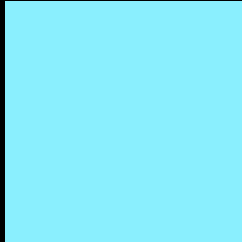
Large Text (above 18pt) WCAG AA × Fail

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 89, 30.556, 212.560 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 89, 30.556, 212.560

Background



This preview shows how black text looks on a background with the CIELCh color 89, 30.556, 212.560.




This preview shows how white text looks on a background with the CIELCh color 89, 30.556, 212.560.

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
89, 28.242, 217.372

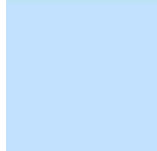
Trichromacy



Original Color
89, 30.556, 212.560



Protanomaly
88, 15.450, 238.919



Deuteranomaly
88, 18.325, 258.112

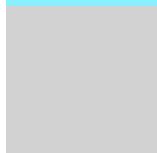


Tritanomaly
89, 29.082, 215.621

Monochromacy



Original Color
89, 30.556, 212.560



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 12.550, 213.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 30.556, 212.560 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(138, 239, 254)` looks like.

```
.text, #text, p{  
    color:rgb(138, 239, 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(138, 239, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 239, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 30.556, 212.560 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(138, 239, 254) }
```

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

```
.border{ border-color:rgb(138, 239, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 239, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 239, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 239, 254);  
box-shadow:4px 4px 4px 4px rgb(138, 239,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 30.556, 212.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 239, 254) }
```

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

```
.background{ background-color: rgb(138,  
239, 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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