

Converting Colors

CIELCh(89, 28.349, 217.393)

Have a look what the booklet for
CIELCh(89, 28.349, 217.393)
contains.

CIELCh(89, 28.242, 217.372)	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(89, 28.242, 217.372)

Conversions

Conversions Part 1

Format	Color
Hex	93EDFF
RGB	147, 237, 255
RGB Percent	58%, 93%, 100%
CMY	0.4226, 0.0697, 0.0000
CMYK	0.42, 0.07, 0.00, 0.00
HSL	190°, 100%, 79%
HSV	190°, 42%, 100%
XYZ	60.5151, 74.1641, 105.9327
YIQ	212.1420, -59.4180, -13.4820

Conversions

Conversions Part 2

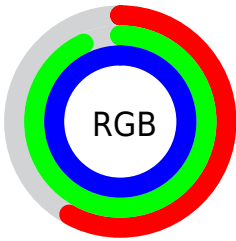
Format	Color
R_{YB}	147, 196, 255
Decimal	9694719
CIE _{Lab}	89.00, -22.44, -17.14
CIE _{LCh}	89, 28.242, 217.372
Y _{xy}	74.1641, 0.2515, 0.3082
Android (android.graphics.Color)	4287884799 (0xFF93EDFF)
YUV	212.1420, 21.1290, -57.1295
Hunter-Lab	86.1186, -25.2765, -12.6484

Details

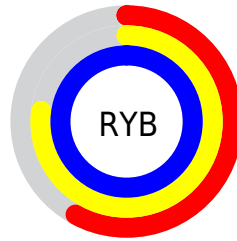
The CIELCh color **89, 28.242, 217.372** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **76, 38.832, 36.368**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 16.562, 198.406**, and **69, 28.191, 217.000** is the 20% darker color. If you saturate the color by 10%, you get **87, 33.093, 218.076**, and if you desaturate by 10%, it is **91, 22.527, 216.431**.

Distribution



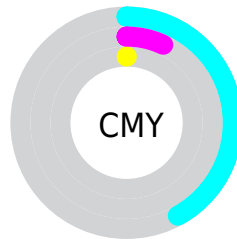
- Red (58%)
- Green (93%)
- Blue (100%)



- Red (58%)
- Yellow (77%)
- Blue (100%)



- Cyan (42%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 28.242, 217.372 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, 28.242, 217.372 by changing the saturation by 10% instead.

■ 89, 28.242,
217.372

■ 89, 28.242,
217.372

■ 100, 28.242,
217.372

■ 79, 28.242,
217.372

■ 69, 28.242,
217.372

■ 59, 28.242,
217.372

■ 49, 28.242,
217.372

■ 39, 28.242,
217.372

■ 29, 28.242,
217.372

■ 19, 28.242,

217.372

■ 9, 28.242, 217.372

■ 0, 28.242, 217.372

■ 89, 28.242,
217.372

■ 89, 28.242,
217.372

■ 87, 33.093,
218.076

■ 91, 22.527,
216.431

■ 85, 37.045,
219.385

■ 94, 16.133,
215.978

■ 83, 40.017,
221.111

■ 97, 9.163, 215.720

■ 81, 42.012,
223.330

■ 99, 1.732, 215.878

100, 0.012,
296.813

■ 80, 43.120,

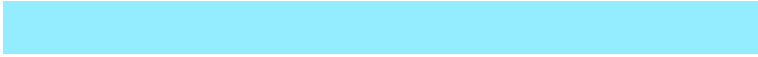
226.102

■ 79, 43.546,
228.591

Harmonies

Complementary

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



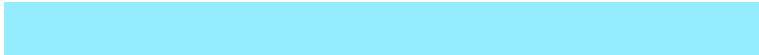
89, 28.242, 217.372



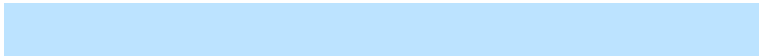
76, 38.832, 36.368

Rectangle

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



89, 28.242, 217.372



89, 28.242, 267.372



89, 28.242, 37.372



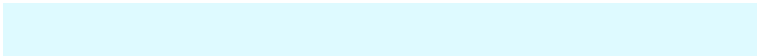
89, 28.242, 87.372

Sweetspot

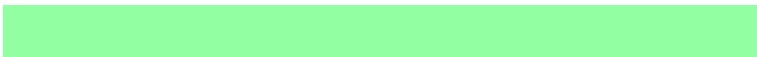
The Sweet Spot groups the original color and five complimentary colors.



89, 28.220, 217.113



96, 9.697, 215.732



92, 60.300, 145.328



51, 6.742, 215.776



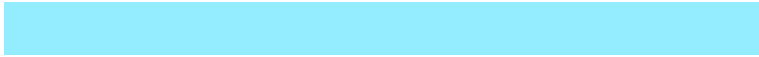
0, 0.000, 0.000



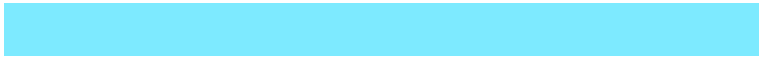
53, 0.007, 296.813

Same Dimension

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



89, 28.220, 217.113



87, 32.529, 217.938



75, 38.881, 277.185



52, 4.282, 215.686



61, 35.069, 227.965



20, 16.166, 223.662

Inverse Universe

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



75, 59.651, 332.014



71, 70.773, 332.599



89, 39.527, 84.131



50, 8.081, 329.883



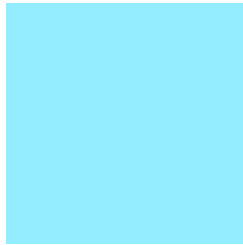
44, 81.823, 336.113



12, 38.220, 335.010

Previews

White Background



This preview shows how the CIE LCh color 89, 28.242, 217.372 looks on a white background.

Color Contrast Check

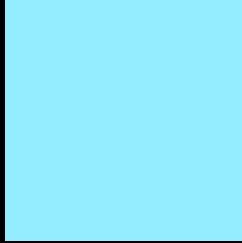
Large Text (above 18pt) WCAG AA × Fail

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, 28.242, 217.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

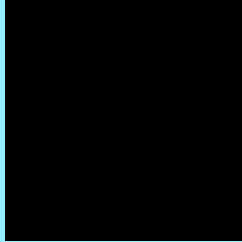
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 28.242, 217.372

Background



This preview shows how black text looks on a background with the CIELCh color 89, 28.242, 217.372.




This preview shows how white text looks on a background with the CIELCh color 89, 28.242, 217.372.

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, 27.309, 218.120

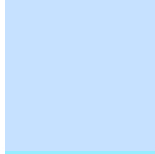
Trichromacy



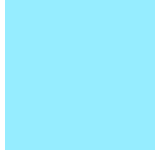
Original Color
89, 28.242, 217.372



Protanomaly
89, 15.537, 246.755



Deuteranomaly
88, 17.860, 260.688

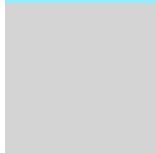


Tritanomaly
89, 27.544, 217.927

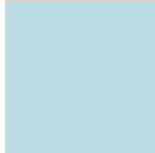
Monochromacy



Original Color
89, 28.242, 217.372



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 11.722, 217.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 28.242, 217.372 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(147, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 237, 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(147, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 237, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 28.242, 217.372 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(147, 237, 255) }
```

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

```
.border{ border-color:rgb(147, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 237,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 28.242, 217.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 237, 255) }
```

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

```
.background{ background-color: rgb(147,  
237, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor