

Converting Colors

CIELCh(87, 34.162, 216.121)

Have a look what the booklet for
CIELCh(87, 34.162, 216.121)
contains.

CIELCh(87, 34.127, 216.434)	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(87, 34.127, 216.434)

Conversions

Conversions Part 1

Format	Color
Hex	75EAFF
RGB	117, 234, 255
RGB Percent	46%, 92%, 100%
CMY	0.5402, 0.0815, 0.0000
CMYK	0.54, 0.08, 0.00, 0.00
HSL	189°, 100%, 73%
HSV	189°, 54%, 100%
XYZ	54.9416, 70.0064, 105.4157
YIQ	201.4110, -76.4730, -18.2730

Conversions

Conversions Part 2

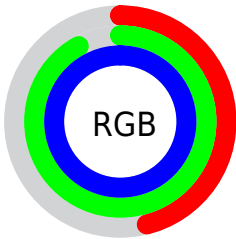
Format	Color
RYB	117, 180, 255
Decimal	7727871
CIELab	87.00, -27.46, -20.27
CIELCh	87, 34.127, 216.434
Yxy	70.0064, 0.2385, 0.3039
Android (android.graphics.Color)	4285917951 (0xFF75EAFf)
YUV	201.4110, 26.4194, -74.0284
Hunter-Lab	83.6698, -29.2106, -16.1307

Details

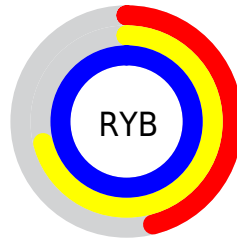
The CIELCh color **87, 34.127, 216.434** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **70, 52.472, 36.205**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.551, 197.904**, and **67, 34.128, 216.138** is the 20% darker color. If you saturate the color by 10%, you get **85, 37.890, 217.440**, and if you desaturate by 10%, it is **89, 29.379, 215.337**.

Distribution



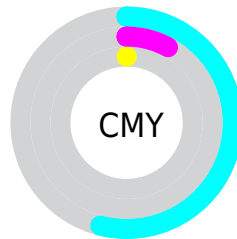
- Red (46%)
- Green (92%)
- Blue (100%)



- Red (46%)
- Yellow (71%)
- Blue (100%)



- Cyan (54%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 34.127, 216.434 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 87, 34.127, 216.434 by changing the saturation by 10% instead.


 87, 34.127,
216.434


 87, 34.127,
216.434

 100, 34.127,
216.434


 77, 34.127,
216.434

 67, 34.127,
216.434

 57, 34.127,
216.434

 47, 34.127,
216.434

 37, 34.127,
216.434

 27, 34.127,
216.434


 17, 34.127,


216.434


 7, 34.127, 216.434


 0, 34.127, 216.434


 87, 34.127,
216.434


 87, 34.127,
216.434


 85, 37.890,
217.440


 89, 29.379,
215.337


 83, 40.660,
219.052

 91, 23.790,
214.720

 82, 42.436,
221.128

 94, 17.463,
214.322

 81, 43.321,
223.720

 96, 10.526,
214.110

 80, 43.563,

 99, 3.100, 214.158

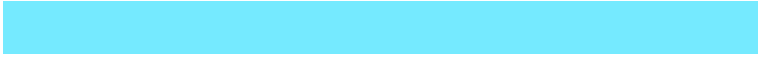
225.479

100, 0.012,
296.813

Harmonies

Complementary

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



87, 34.127, 216.434



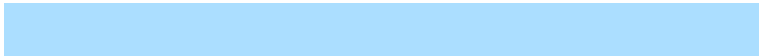
70, 52.472, 36.205

Rectangle

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



87, 34.127, 216.434



87, 34.127, 266.434



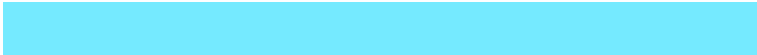
87, 34.127, 36.434



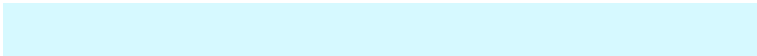
87, 34.127, 86.434

Sweetspot

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



87, 34.112, 216.224



96, 11.941, 214.138



90, 75.763, 143.897



50, 8.011, 214.175



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

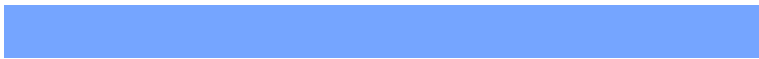
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 34.112, 216.224



85, 38.206, 217.580



68, 50.166, 280.276



52, 4.322, 214.078



61, 35.100, 224.910



20, 16.227, 221.018

Inverse Universe

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



69, 75.066, 332.267



65, 86.748, 332.981



86, 50.903, 82.428



50, 8.162, 329.416



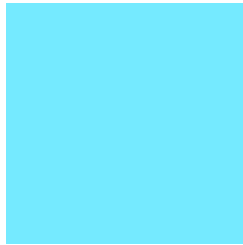
44, 82.709, 335.327



12, 38.587, 334.346

Previews

White Background



This preview shows how the CIE LCh color 87, 34.127, 216.434 looks on a white background.

Color Contrast Check

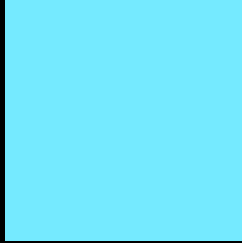
Large Text (above 18pt) WCAG AA × Fail

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 87, 34.127, 216.434 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 87, 34.127, 216.434

Background



This preview shows how black text looks on a background with the CIELCh color 87, 34.127, 216.434.

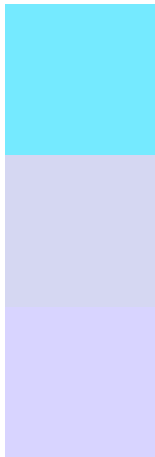


This preview shows how white text looks on a background with the CIELCh color 87, 34.127, 216.434.

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

87, 34.127, 216.434

Protanopia

87, 14.164, 288.601

Deuteranopia

86, 22.646, 295.413



Tritanopia
87, 34.013, 214.600

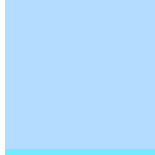
Trichromacy



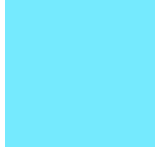
Original Color
87, 34.127, 216.434



Protanomaly
86, 18.947, 242.769



Deuteranomaly
86, 21.915, 256.261

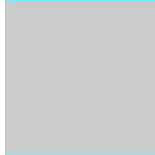


Tritanomaly
87, 34.066, 215.519

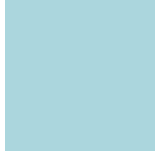
Monochromacy



Original Color
87, 34.127, 216.434



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 14.837, 212.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 34.127, 216.434 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(117, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 234, 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(117, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 234, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 34.127, 216.434 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(117, 234, 255) }
```

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

```
.border{ border-color:rgb(117, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 234,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 34.127, 216.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 234, 255) }
```

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

```
.background{ background-color: rgb(117,  
234, 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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